

FIȘA DE AUTOEVALUARE

alcătuită în conformitate cu prevederile fișei de evaluare generală a standardelor universității, din *Anexa 1 din Metodologia de Concurs pentru ocuparea posturilor didactice în Universitatea „Alexandru Ioan Cuza” din Iași*

CRITERII	DESCRIPTORI	PUNCTAJE ACORDATE
I. ACTIVITATEA DE CERCETARE (70%)	1. Articole științifice publicate <i>in extenso</i> în reviste cotate <i>Web of Science</i> cu factor de impact	(60 puncte x factor de impact + 25) / număr autori
	2. Articole științifice publicate <i>in extenso</i> în reviste indexate <i>Web of Science</i> fără factor de impact	20 puncte / număr autori
	3. Articole științifice publicate <i>in extenso</i> în reviste indexate BDI	15 puncte / număr autori
	4. Articole științifice publicate <i>in extenso</i> în volumele conferințelor	indexate ISI: 30 puncte / număr autori
		indexate în BDI: 15 puncte / număr autori
		alte categorii: 5 puncte / număr autori
	5. Cărți științifice publicate (doar prima ediție)	edituri academice internaționale: 100 puncte la 100 pagini / număr autori
		alte edituri internaționale: 70 puncte la 100 pagini / număr autori
		edituri academice naționale: 50 puncte la 100 pagini / număr autori
		alte edituri naționale: 20 puncte la 100 pagini / număr autori
	6. Cărți științifice traduse și publicate în edituri din străinătate	100 puncte la 100 pagini / număr autori
	7. Coordonarea și editarea de volume, traduceri și antologii	edituri academice internaționale: 60 puncte / număr autori
		alte edituri internaționale: 40 puncte / număr autori
		edituri academice naționale: 30 puncte / număr autori
		alte edituri naționale: 15 puncte / număr autori
	8. Articole publicate în dicționare și enciclopedii	edituri academice internaționale: 30 puncte / număr autori
		alte edituri internaționale: 20 puncte / număr autori
		edituri academice naționale: 15 puncte / număr autori
		alte edituri naționale: 5 puncte / număr autori
	9. Contracte de cercetare științifică în instituții academice (universități, institute ale Academiei Române, institute naționale de cercetare, institute de cercetare din străinătate, alte	contracte internaționale – director: 100 puncte pentru fiecare 100.000 Euro
		contracte internaționale – membru: 100 puncte pentru fiecare 100.000 Euro / numărul membrilor echipei de cercetare

	categorii de institute academice)	contracte naționale – director: 50 puncte pentru fiecare 500.000 lei
		contracte naționale – membru: 50 puncte pentru fiecare 500.000 lei /numărul membrilor echipei de cercetare
10. Contracte de cercetare în mediul de afaceri și sectorul public		organizații internaționale: 100 puncte pentru fiecare 100.000 Euro
		firmе multinaționale: 100 puncte pentru fiecare 100.000 Euro
		firmе naționale: 50 puncte pentru fiecare 500.000 Euro
		organizații administrative naționale: 40 puncte pentru fiecare 500.000 Euro
		alte organizații publice de nivel național: 30 puncte pentru fiecare 500.000 Euro
11. Brevete		internaționale: 100 puncte / număr de autori
		naționale: 30 puncte / număr autori
12. Citări și recenzii ale lucrărilor științifice		reviste de specialitate din străinătate: (10 + 20 x factor de impact) / număr autori, pentru fiecare citare
		reviste de specialitate din țară: (5 + 10 x factor de impact) / număr autori, pentru fiecare citare
		monografii academice din străinătate: 50 puncte / număr autori, pentru fiecare citare
		monografii academice din țară: 25 puncte / număr autori, pentru fiecare citare
13. Lucrări susținute în calitate de invitat la manifestări științifice (conferințe, congrese, simpozioane, seminarii și ateliere de lucru)		străinătate: 25 puncte pentru fiecare activitate
		țară: 10 puncte pentru fiecare activitate
14. Profesor/cercetător invitat la universități/institute de cercetare		străinătate: 25 puncte pentru fiecare activitate
		țară: 10 puncte pentru fiecare activitate
15. Editor/Membru în <i>Editorial Board & Advisory Board</i>		reviste cotate <i>Web of Science</i> : editor, 30 puncte pentru fiecare revistă; membru, 20 puncte pentru fiecare revistă
		reviste internaționale și alte reviste ale Universității: editor, 15 puncte pentru fiecare revistă; membru, 10 puncte pentru fiecare revistă
16. Premii internaționale obținute printr-un proces de selecție		100 puncte / categorie / număr persoane
17. Premii ale Academiei Române		50 puncte / categorie / număr persoane
18. Alte premii naționale ale instituțiilor culturale		20 puncte / categorie / număr persoane
19. Participări la manifestări științifice		internaționale: președinte comitet organizare/consiliu științific, 25 puncte pentru fiecare activitate; membru comitet organizare/consiliu științific, 15 puncte

		pentru fiecare activitate; moderator de panel, 15 puncte pentru fiecare activitate; raportor pe secțiuni/paneluri, 10 puncte pentru fiecare activitate naționale: președinte comitet organizare/consiliu științific, 15 puncte pentru fiecare activitate; membru comitet organizare/consiliu științific, 5 puncte pentru fiecare activitate; moderator de panel, 5 puncte pentru fiecare activitate; raportor pe secțiuni/paneluri, 2 puncte pentru fiecare activitate
II. ACTIVITATEA DIDACTICĂ (30%)	1. Tratatate și manuale universitare	30 puncte la 100 pagini / număr de autori
	2. Proiecte didactice (înființare/dotare laboratoare licență, master, săli workshop, biblioteci proprii facultăților, departamentelor, laboratoarelor și grupurilor de cercetare)	40 puncte pentru fiecare activitate
	3. Materiale suport curs, seminar, lucrări practice și programe analitice detaliate	10 puncte pentru fiecare activitate
	4. Organizare de aplicații și practică de specialitate	5 puncte pentru fiecare activitate

I. ACTIVITATEA DE CERCETARE (70%)

1. Articole științifice publicate *in extenso* în reviste cotate *Web of Science* cu factor de impact

(60 puncte x factor de impact + 25) / număr autori

1. V. Șunel, G. I. Rusu, G. G. Rusu, **L. Leontie**, C. Șoldea

"Electrical characteristics of some derivatives of p-aminobenzoic acid in thin films"

Progress in Organic Coatings **26** (1) (1995) 53–61 (**Review**).

$$(60 \times 0,741 + 25) / 5 = 13,892$$

2. Mihaela Rusu, A. Airinei, **L. Leontie**, Diana Mardare, and G. I. Rusu

"On the Semiconducting Properties of Some Bisphenolic Chelate Polymers in Thin Films"

Physics of Low-Dimensional Structures **5** (6) (1998) 31–42.

$$(60 \times 0,000 + 25) / 5 = 5,000$$

3. **L. Leontie**, M. Caraman, G. I. Rusu

"On the Photoconductivity of Bi₂O₃ in Thin Films"

Journal of Optoelectronics and Advanced Materials **2** (4) (2000) 385–389.

$$(60 \times 0,026 + 25) / 3 = 8,853$$

4. G. I. Rusu, I. Căplănuș, **L. Leontie**, A. Airinei, E. Butuc, D. Mardare, and I. I. Rusu

"Studies on the Electronic Transport Properties of some Aromatic Polysulfones in Thin Films"

Acta Materialia **49** (3) (2001) 553–559.

$$(60 \times 2,658 + 25) / 7 = 26,354$$

5. **L. Leontie**, M. Caraman, M. Delibas, and G. I. Rusu
"Optical Properties of Bismuth Trioxide Thin Films"

Materials Research Bulletin **36** (9) (2001) 1629–1637.

$$(60 \times 0,715 + 25) / 4 = 16,975$$

6. **L. Leontie**, M. Caraman, M. Alexe, C. Harnagea

"Structural and optical characteristics of bismuth oxide thin films"

Surface Science **507–510** (2002) 480–485.

$$(60 \times 2,140 + 25) / 4 = 38,350$$

7. **L. Leontie**, Mihaela Roman, I. Căplănuș, G. I. Rusu

"On the electronic transport properties of some disubstituted carbanion pyridazinium ylids in thin films"

Progress in Organic Coatings **44** (4) (2002) 287–293 (*Review*).

$$(60 \times 0,799 + 25) / 4 = 18,235$$

8. Valentina Chiricenco, M. Caraman, I. I. Rusu, **L. Leontie**

"On the luminescence of GaS(Cu) single crystals"

Journal of Luminescence **101** (1–2) (2003) 71–77.

$$(60 \times 1,314 + 25) / 4 = 25,960$$

9. **L. Leontie**, Ivona Olariu, and G. I. Rusu

"On the charge transport in some new carbanion disubstituted ylides in thin films"

Materials Chemistry and Physics **80** (2) (2003) 506–511.

$$(60 \times 1,183 + 25) / 3 = 31,993$$

10. **L. Leontie**, M. Roman, F. Brinza, C. Podaru, G. I. Rusu

"Electrical and optical properties of some new synthesized ylides in thin films"

Synthetic Metals **138** (1–2) (2003) 157–163.

$$(60 \times 1,303 + 25) / 5 = 20,636$$

11. **L. Leontie**, I. Druta, R. Alupoae, and G. I. Rusu

"On the electronic transport in some new synthesized high resistivity organic semiconductors in thin films"

Materials Science and Engineering B **100** (3) (2003) 252–258.

$$(60 \times 1,070 + 25) / 4 = 22,300$$

12. **L. Leontie**, M. Caraman, A. Visinoiu, G.I. Rusu

"On the optical properties of bismuth oxide thin films prepared by pulsed laser deposition"

Thin Solid Films **473** (2) (2005) 230–235.

$$(60 \times 1,569 + 25) / 4 = 29,785$$

13. **L. Leontie**, I. Druta, R. Danac, and G. I. Rusu

"On the electronic transport properties of pyrrolo[1,2-a][1,10]phenanthroline derivatives in thin films"

Synthetic Metals **155** (1) (2005) 138–145.

$$(60 \times 1,320 + 25) / 4 = 26,050$$

14. **L. Leontie**, I. Druta, R. Danac, M. Prelipceanu, and G. I. Rusu

“Electrical properties of some new high resistivity organic semiconductors in thin films”
Progress in Organic Coatings **54** (3) (2005) 175–181 (*Review*).
 $(60 \times 1,535 + 25) / 5 = 23,420$

15. L. Leontie

“Photoconductivity Characteristics of Bismuth Oxide in Thin Films”
Physics of Low-Dimensional Structures **2** (2006) 23–28.
 $(60 \times 0,000 + 25) / 1 = 25,000$

16. L. Leontie and R. Danac

“Optical properties of some new synthesized organic semiconductors in thin films”
Scripta Materialia **54** (2) (2006) 175–179.
 $(60 \times 2,161 + 25) / 2 = 77,330$

17. I. Caraman, G. I. Rusu, L. Leontie

“Photoelectrical and optical properties of $\text{Cd}_{1-x}\text{Mn}_x\text{Te}$ single crystals and thin films”
Journal of Optoelectronics and Advanced Materials **8** (1) (2006) 107–111.
 $(60 \times 1,106 + 25) / 3 = 30,453$

18. E. Cuculescu, Ig. Evtodiev, M. Caraman, L. Leontie

“Study of generation-recombination processes of non-equilibrium charge carriers in single crystalline thin $\text{GaSe}(\text{Cu})$ films”
Journal of Optoelectronics and Advanced Materials **8** (1) (2006) 112–118.
 $(60 \times 1,106 + 25) / 4 = 22,840$

19. L. Leontie, I. Druta, R. Danac

“Electrical conduction mechanism in N-(p-R-phenacyl)-4,5-diazafluorenium-9-one bromides thin films”
Synthetic Metals **156** (2–4) (2006) 224–229.
 $(60 \times 1,685 + 25) / 3 = 42,033$

20. I. Caraman, G. I. Rusu, L. Leontie

“Fundamental absorption edge in thin films of $\text{Cd}_{1-x}\text{Mn}_x\text{Te}$ solid solutions”
Journal of Optoelectronics and Advanced Materials **8** (3) (2006) 927–930.
 $(60 \times 1,106 + 25) / 3 = 30,453$

21. L. Leontie

“Optical properties of bismuth oxide thin films prepared by reactive magnetron sputtering”
Journal of Optoelectronics and Advanced Materials **8** (3) (2006) 1221–1224.
 $(60 \times 1,106 + 25) / 1 = 91,360$

22. L. Leontie, I. Druta, A. Rotaru, C. Podaru and G. I. Rusu

“On the electronic transport properties of 4,4’-bipyridinium dibromides in thin films”
Materials Chemistry and Physics **97** (2–3) (2006) 476–480.
 $(60 \times 1,657 + 25) / 5 = 24,884$

23. L. Leontie, G.I. Rusu

“On the electronic transport properties of bismuth oxide thin films”
Journal of Non-Crystalline Solids **352** (9–20) (2006) 1475–1478.
 $(60 \times 1,362 + 25) / 2 = 53,360$

24. I. Căplănuș, Mihaela Rusu, G. G. Rusu and L. Leontie

“On the electronic transport properties of some thiosemicarbazide derivatives complexed with nickel cations”

Materials Chemistry and Physics **101** (1) (2007) 77–80.

$(60 \times 1,871 + 25) / 4 = 34,315$

25. L. Leontie, I. Druta, B. Furdul, G. I. Rusu

“On the mechanism of electrical conduction in some new quaternary salts of bipyridine and indolizine pyridine in thin films”

Progress in Organic Coatings **58** (4) (2007) 303–311 (*Review*).

$(60 \times 1,540 + 25) / 4 = 29,350$

26. Gheorghe Rusu, Elena Rusu, Liviu Leontie, Gheorghe I. Rusu

“Electrical DC Conduction Mechanism in Some Newly Synthesized Nylon 6/12 Copolymers”

Journal of Polymer Science Part B: Polymer Physics **45** (7) (2007) 794–799.

$(60 \times 1,524 + 25) / 4 = 29,110$

27. Marius Prelipceanu, Otilia-Sanda Prelipceanu, Ovidiu-Gelu Tudose, Liviu Leontie, Bernd Grimm and Sigurd Schrader,

“Study of thermal conversion and patterning of a new soluble poly (p-phenylenevinylene) (PPV) precursor”

Materials Science in Semiconductor Processing **10** (2–3) (2007) 77–89.

$(60 \times 0,655 + 25) / 6 = 10,716$

28. I. Caraman, G. I. Rusu, L. Leontie

“The photoluminescence of CdTe thin films in SnO₂-CdS/CdTe-Ni solar cells thermally treated in CdCl₂ solution”

Journal of Optoelectronics and Advanced Materials **9** (5) (2007) 1546–1550.

$(60 \times 0,827 + 25) / 3 = 24,873$

29. M. Prelipceanu, O.S. Prelipceanu, L. Leontie and R. Danac

“Photoelectron spectroscopy investigations of pyrrolo[1,2-a][1,10]phenanthroline derivatives”

Physics Letters A **368** (3–4) (2007) 331–335.

$(60 \times 1,711 + 25) / 4 = 31,915$

30. L. Leontie, R. Danac, I. Druta and G. I. Rusu

“Electronic transport properties of 1-(p-R-phenacyl)-4-[(1'-ethylcarboxylate)-(3'-p-R'-phenacyl)]-7'-indoliziny]pyridinium bromides in thin films”

Thin Solid Films **516** (7) (2008) 1599–1603.

$(60 \times 1,884 + 25) / 4 = 34,510$

31. Liviu Leontie, Mihail Caraman, Igor Evtodiev, Elmira Cuculescu, Ana Mija

“Optical properties of bismuth oxide thin films prepared by reactive d.c. magnetron sputtering onto p-GaSe (Cu)”

Physica Status Solidi (a) **205** (8) (2008) 2052–2056.

$(60 \times 1,205 + 25) / 5 = 19,460$

32. M. Caraman, V. Chiricenco, L. Leontie, I. I. Rusu

“Photoelectrical properties of layered GaS single crystals and related structures”

Materials Research Bulletin **43** (12) (2008) 3195–3201.

$$(60 \times 1,812 + 25) / 4 = 33,430$$

33. I. Evtodiev, **L. Leontie**, M. Caraman, M. Stamate, and E. Arama
“Optical properties of p-GaSe single crystals doped with Te”
Journal of Applied Physics **105** (2) (2009) 023524.

$$(60 \times 2,072 + 25) / 5 = 29,864$$

34. **L. Leontie**, I. Evtodiev, V. Nedeff, M. Stamate, and M. Caraman
“Photoelectric properties of Bi₂O₃/GaSe heterojunctions”
Applied Physics Letters **94** (7) (2009) 071903.

$$(60 \times 3,554 + 25) / 5 = 47,648$$

35. **L. Leontie**, I. Druta, Al. Rotaru, N. Apetroaei, G. I. Rusu
“Electronic transport properties of some new monoquaternary salts of 4,4'-bipyridine in thin films”
Synthetic Metals **159** (7–8) (2009) 642–648.

$$(60 \times 1,901 + 25) / 5 = 27,812$$

36. **L. Leontie**, I. Druta, B. Furdui, V. Nica, and G. I. Rusu
“Electrical d.c. conduction mechanism in some newly synthesized mono- and dipyridine quaternary salts in thin films”
Synthetic Metals **159** (17–18) (2009) 1831–1836.

$$(60 \times 1,901 + 25) / 5 = 27,812$$

37. S. Condurache-Bota, G. I. Rusu, N. Tigau, and **L. Leontie**
“Important physical parameters of Bi₂O₃ thin films found by applying several models for optical data”
Crystal Research and Technology **45** (5) (2010) 503–511.

$$(60 \times 0,946 + 25) / 4 = 20,440$$

38. **L. Leontie**, R. Danac, I. Druta, A. Carlescu, and G. I. Rusu
“Newly synthesized fused heterocyclic compounds in thin films with semiconductor properties”
Synthetic Metals **160** (11–12) (2010) 1273–1279.

$$(60 \times 1,871 + 25) / 5 = 27,452$$

39. **L. Leontie**, R. Danac, I. Druta, A. Carlescu, G. I. Rusu
“Electron transport properties of some newly synthesized nonsymmetrical bisindolizines in thin films”
Synthetic Metals **160** (23–24) (2010) 2526–2533.

$$(60 \times 1,871 + 25) / 5 = 27,452$$

40. **L. Leontie**, R. Danac, N. Apetroaei, and G. I. Rusu
“Study of electronic transport properties of some new N-(p-R-phenacyl)-1,7-phenanthroline bromides in thin films”
Materials Chemistry and Physics **127** (3) (2011) 471–478.

$$(60 \times 2,234 + 25) / 4 = 39,760$$

41. M. Airimioaei, C. E. Ciomaga, N. Apostolescu, **L. Leontie**, A. R. Iordan, L. Mitoseriu, M. N. Palamaru
“Synthesis and functional properties of the, Ni_{1-x}Mn_xFe₂O₄ ferrites”

Journal of Alloys and Compounds **509** (31) (2011) 8065–8072.

$$(60 \times 2,289 + 25) / 7 = 23,191$$

42. E. Cuculescu, I. Evtodiev, I. Caraman, **L. Leontie**, V. Nedeff, D.-I. Rusu

“Transport and generation-recombination mechanisms of nonequilibrium charge carriers in ZnO/In₂O₃/InSe:Cd heterojunctions”

Thin Solid Films **519** (21) (2011) 7356–7359.

$$(60 \times 1,980 + 25) / 6 = 23,966$$

43. Tamara Slatineanu, Alexandra Raluca Iordan, Mircea Nicolae Palamaru, Ovidiu Florin Caltun, Vasilica Gafton, **Liviu Leontie**

“Synthesis and characterization of nanocrystalline Zn ferrites substituted with Ni”

Materials Research Bulletin **46** (9) (2011) 1455–1460.

$$(60 \times 2,105 + 25) / 6 = 25,216$$

44. Silvia Evtodiev, Iulia Caraman, Liliana Dmitroglu, **L. Leontie**, V. Nedeff, A. Dafinei, G. Lazar, and I. Evtodiev

“Optical Properties of III–VI Lamellar Semiconductors Doped with Cu and Cd and of Related III–VI/Native Oxide Structures”

Journal of Nanoelectronics and Optoelectronics **6** (4) (2011) 502–513.

$$(60 \times 0,556 + 25) / 8 = 7,295$$

45. D. C. Bostan, A. Timofte, **L. Leontie**

“Temperature-humidity index. Recent meteorological measurements in the Moldavia region”

Journal of Environmental Protection and Ecology **12** (3 A) (2011) 1592–1597.

$$(60 \times 0,102 + 25) / 3 = 10,373$$

46. L. Bibire, A. S. Ghenadi, A. Timofte, **L. Leontie**, M. Buzdugan, M. Agop

“Possible influences of aerosols on the Schumann frequency spectrum”

Journal of Environmental Protection and Ecology **12** (3 A) (2011) 1288–1294.

$$(60 \times 0,102 + 25) / 6 = 5,186$$

47. I. Evtodiev, I. Caraman, **L. Leontie**, D.-I. Rusu, A. Dafinei, V. Nedeff, G. Lazar

“Recombination luminescence and trap levels in undoped and Al-doped ZnO thin films on quartz and GaSe (0 0 0 1) substrates”

Materials Research Bulletin **47** (3) (2012) 794–797.

$$(60 \times 2,105 + 25) / 7 = 21,614$$

48. R. Danac, **L. Leontie**, A. Carlescu, G. I. Rusu

“DC Electric Conduction Mechanism of Some Newly Synthesized Indolizine Derivatives in Thin Films”

Materials Chemistry and Physics **134** (2–3) (2012) 1042–1048.

$$(60 \times 2,234 + 25) / 4 = 39,760$$

49. **Liviu Leontie**, Ramona Danac, Mihaela Girtan, Aurelian Carlescu, Alicia Petronela Rambu, Gheorghe I. Rusu

“Electron transport properties of some new 4-tert-butylcalix[4]arene derivatives in thin films”

Materials Chemistry and Physics **135** (1) (2012) 123–129.

$$(60 \times 2,234 + 25) / 6 = 25,506$$

50. Ignas Vaiciulis, Mihaela Girtan, Anca Stanculescu, **Liviu Leontie**, Farid Habelhames, Stefan Antohe

"On Titanium Oxide Spray Deposited Thin Films for Solar Cells Applications"

Proceedings of The Romanian Academy, Series A **13** (4) (2012) 335–342.

$$(60 \times 0,54 + 25) / 6 = 9,566$$

51. M. Girtan, A. Vlad, R. Mallet, M. A. Bodea, J. D. Pedarnig, A. Stanculescu, D. Mardare, **L. Leontie**, S. Antohe

On the properties of aluminium doped zinc oxide thin films deposited on plastic substrates from ceramic targets

Applied Surface Science **274** (2013) 306–313.

$$(60 \times 2,112 + 25) / 9 = 16,857$$

52. A. C. Druc, A. I. Borhan, G. G. Nedelcu, **L. Leontie**, A. R. Iordan, M. N. Palamaru

Structure-dielectric properties relationships in copper-substituted magnesium ferrites

Materials Research Bulletin **48** (2013) 4647–4654.

$$(60 \times 1,913 + 25) / 6 = 23,296$$

53. **Liviu Leontie**, Igor Evtodiev, Nicolae Spalatu, Mihail Caraman, Silvia Evtodiev, Oxana Racovet, Mihaela Girtan, Cristian Focsa

"Optical and photosensitive properties of lamellar nanocomposites obtained by Cd intercalation of GaTe"

Journal of Alloys and Compounds **584** (2014) 542–545.

$$(60 \times 2,390 + 25) / 8 = 21,050$$

54. C. Doroftei, P. D. Popa, F. Iacomì, **L. Leontie**

"The influence of Zn^{2+} ions on the microstructure, electrical and gas sensing properties of $La_{0.8}Pb_{0.2}FeO_3$ perovskite"

Sensors and Actuators B **191** (2014) 239–245.

$$(60 \times 3,535 + 25) / 4 = 59,275$$

55. R. Danac, **L. Leontie**, M. Girtan, M. Prelipceanu, A. Graur, A. Carlescu, G. I. Rusu

"On the direct current electric conductivity and conduction mechanism of some stable disubstituted 4-(4-pyridyl)pyridinium ylides in thin films"

Thin Solid Films **556** (2014) 216–222.

$$(60 \times 1,604 + 25) / 7 = 17,320$$

56. A. C. Druc, A. I. Borhan, A. Diaconu, A. R. Iordan, G. G. Nedelcu, **L. Leontie**, M. N. Palamaru

"How cobalt ions substitution changes the structure and dielectric properties of magnesium ferrite"

Ceramics International 2014 (In Press, Corrected Proof); DOI:10.1016/j.ceramint.2014.05.071

$$(60 \times 1,790 + 25) / 7 = 18,914$$

Total I.1: 1549,82

2. Articole științifice publicate *in extenso* în reviste indexate fără factor de impact

20 puncte / număr autori

1. V. Șunel, M. Rusu, G. I. Rusu, N. Asandei, **L. Leontie**

"Cellulose Derivatives of Some New Hydrazides with Semiconducting Properties"

Cellulose Chemistry and Technology **31 (5–6)** (1997) 309–314.

20/5=4,000

2. I. Căplănuș, **L. Leontie**, I. Druță, Elena Bicu, Rodica Dinică, I. I. Rusu, G. I. Rusu
“On the Electrical and Thermoelectrical Properties of Some 4,4’-Dipyridylum Quaternary Salts”

Romanian Biotechnological Letters **4 (6)** (1999) 489–496.

20/7=2,857

3. **L. Leontie**, G. I. Rusu, M. Delibas, Ivona Olariu, Mihaela Roman, N. Apetroaie, M. Tasca
“Electrical Properties of Some New Organic Semiconductors in Thin Films”

Moldavian Journal of the Physical Sciences **1 (2)** (2002) 110–113.

20/7=2,857

Total I.2: 9,714

4. Articole științifice publicate *in extenso* în volumele conferințelor

indexate ISI: 30 puncte / număr autori; indexate în BDI: 15 puncte / număr autori; alte categorii:
5 puncte / număr autori

1. L. Leontie

“On the electronic transport in polycrystalline bismuth oxide thin films”

International Conference on Advanced Materials and Structures (AMS 2), 19-21 September 2002, Timisoara-Romania. Conference proceedings, Sect. Materials, p. 213; ISBN: 973-8391-50-4.

15/1=15,000

2. Elmira Cuculescu, P. Lozovanu, Ig. Evtodiev, **L. Leontie**, M. Caraman

“Some optical properties of fullerenes C60 intercalated, GaSe single crystals”

Proceedings of Fifth General Conference of the Balkan Physical Union, August 25-29, 2003, Vrnjacka Banja, Serbia and Montenegro, work SP06 – 037, p. 667–670.

15/5=3,000

3. Luminița STROIA, Dana-Ortansa DORHOI, Mihai APAVALOAI EI, **Liviu LEONTIE**,
Liviu APOSTOL

“Effects of the air pollution within the Piatra-Neamt – Savinesti area”

Present Environment and Sustainable Development, Vol. **1** (2007), p. 90–96.

15/5=3,000

4. **Liviu LEONTIE**, Liviu APOSTOL, Irina UNGUREANU

Education campaigns on protection and development of the environmental resources intended to public in the Northeast development region

Present Environment and Sustainable Development, Vol. **1** (2007), p. 213-219.

15/3=5,000

5. **Liviu Leontie**, Adrian Timofte, Diana Corina Bostan, Sorin Bostan

“ITU-TEMPERATURE HUMIDITY INDEX BETWEEN COMFORT AND DISCOMFORT. RECORDED VALUES IN 2007 SUMMER FOR MOLDAVIA REGION”

Present Environment and Sustainable Development (Ed. Univ. “Al. I. Cuza” Iasi), Vol. **2** (2008), 277–281.

15/4=3,750

6. Liviu Leontie, Adrian Timofte, Diana-Corina Bostan, Sorin Bostan

“Artificial satellites. Meteorological satellites”

Present Environment and Sustainable Development (Ed. Univ. Al. I. Cuza Iași), Vol. 3 (2009), pp. 151–157.

$$15/4=3,750$$

7. Adrian Timofte, Diana-Corina Bostan, **Liviu Leontie**

“Radiometric measurements in eastern Moldavia. Correlations between total cloudiness and the sunshine duration”

Present Environment and Sustainable Development (Ed. Univ. Al. I. Cuza Iași), Vol. 4 (2010), pp. 221–228.

$$15/3=5,000$$

8. Iuliana Caraman, Ig. Evtodiev, L. Palachi, V. Nedeff, **L. Leontie**, Oxana Racoveț, D. Untila, Elmira Vatavu

"Crystalline structure, photoluminescence and optical absorption of β -Ga₂S₃ crystals"

Proceedings of 2nd International Conference on Nanotechnologies and Biomedical Engineering (ICNBME-2013), Chișinău, Republic of Moldova, April 18–20, 2013; pp. 97–101 (ISBN 978-9975-62-343-8).

$$30/8=3,750$$

Total I.4: 42,250

9. Contracte de cercetare științifică în instituții academice (universități, institute ale Academiei Române, institute naționale de cercetare, institute de cercetare din străinătate, alte categorii de institute academice)

contracte naționale – director: 50 puncte pentru fiecare 500.000 lei

contracte naționale – membru: 50 puncte pentru fiecare 500.000 lei /numărul membrilor echipei de cercetare

1.

Centru Integrat de Studii în Știința Mediului pentru Regiunea de Dezvoltare Nord-Est

(Acronim CERNESIM)

Programul Național Capacități

Proiectul nr. 257 / 28.09.2010;

L3-Laborator de investigare a proceselor fizico-chimice din atmosferă și de testare de noi tehnologii ecologice de distrugere a poluanților gazoși

Laborator de Fizica Atmosferei: testarea de noi senzori de monitorizare a poluanților gazoși, cu aplicabilitate tehnologică

Poziția: Cercetător coordonator, Laborator L3

Valoare: peste 260.000 EUR=1170000 lei

$$(1170000/500000) \times 50 = 117$$

TOTAL I.9: 117

12. Citări și recenzii ale lucrărilor științifice

reviste de specialitate din străinătate: (10 + 20 x factor de impact) / număr autori, pentru fiecare citare

reviste de specialitate din țară: (5 + 10 x factor de impact) / număr autori, pentru fiecare citare

1. V. Șunel, G. I. Rusu, G. G. Rusu, **L. Leontie**, C. Șoldea
 "Electrical characteristics of some derivatives of p-aminobenzoic acid in thin films"
Progress in Organic Coatings **26** (1) (1995) 53–61 (**Review**)
 este citată în:

Nr. Crt.	Autorul, titlul lucrării, denumirea revistei în care se citează, vol., nr., pag. și anul	q_i = factorul de impact al revistei în care se citează	Punctaj (10 + 20 x q_i) /5
1	N. Hayashi, K. Kanai, Y. Ouchi, K. Seki Ultrahigh vacuum Seebeck effect and conductivity measurements on N-doping of C ₆₀ films (Conference Paper) <i>Materials Research Society Symposium Proceedings</i> 965 (2006) 374–379. (2006 MRS Fall Meeting; Boston, MA; United States; 27 November 2006 through 1 December 2006; Code 71608)	0	2,000
2	M. M. El-Nahass, H. M. Zeyada, K. F. Abd-El-Rahman, and Ahmed A. A. Darwish Structural characterization and electrical properties of nanostructured 4-tricyanovinyl-N,N-diethylaniline thin films <i>European Physical Journal- Applied Physics</i> 62 (1) (2013) 10202.	0,710	4,840
TOTAL	2 citări		6,840

2. Lucrarea: **L. Leontie**

"Optical properties of Bi₂O₃ in thin films"

Analele Științifice ale Universității "Al. I. Cuza" Iași, Tom **XLV-XLVI** (1999–2000), Fizica Stării Condensate, 98–103

este citată în:

Nr. Crt.	Autorul, titlul lucrării, denumirea revistei în care se citează, vol., nr., pag. și anul	q_i = factorul de impact al revistei în care se citează	Punctaj (10 + 20 x q_i) /1
1	M. Rusu, I. Salaoru, M. E. Popa, and G. I. Rusu On the Optical Characteristics of CdS Thin Films Deposited by Quasi-Closed Volume Technique <i>International Journal of Modern Physics B</i> 18 (9) (2004) 1287–1297.	0,361	17,220
2	G. G. Rusu, A. Stanciu, M. Girtan, M. Vasiloschi, and G. I. Rusu On the Electronic Transport and Optical Properties of Some Poly(Azomethine Urethane) in Thin Films <i>Journal of Macromolecular Science, Part B-</i>	0,806	26,120

	<i>Physics</i> B43 (6) (2004) 1123–1141.		
TOTAL	2 citări		43,340

3. Lucrarea: G. I. Rusu, **L. Leontie**, G. G. Rusu, Mihaela Girtan, and Iulia Salaoru

“On the electronic transport properties of oxidized bismuth thin films”

Analele Științifice ale Universității "Al. I. Cuza" Iași, Tom **XLV-XLVI** (1999–2000), Fizica Stării Condensate, 104–112

este citată în:

Nr. Crt.	Autorul, titlul lucrării, denumirea revistei în care se citează, vol., nr., pag. și anul	q_i = factorul de impact al revistei în care se citează	Punctaj (10 + 20 x q_i) /5
1	A. A. Ibrahim, N. Z. El-Sayed, M. A. Kaid, A. Ashour, Structural and electrical properties of evaporated ZnTe thin films <i>Vacuum</i> , 75 (3) (2004) 189–194.	0,902	5,608
TOTAL	1 citare		5,608

4. Lucrarea: **L. Leontie**, M. Caraman, G. I. Rusu

"On the Photoconductivity of Bi₂O₃ in Thin Films"

Journal of Optoelectronics and Advanced Materials **2 (4)** (2000) 385–389

este citată în:

Nr. Crt.	Autorul, titlul lucrării, denumirea revistei în care se citează, vol., nr., pag. și anul	q_i = factorul de impact al revistei în care se citează	Punctaj (10 + 20 x q_i) /3
1	T. P. Gujar, V. R. Shinde, C. D. Lokhande, R. S. Mane, S.-H. Han Bismuth oxide thin films prepared by chemical bath deposition (CBD) method: Annealing effect <i>Applied Surface Science</i> 250 (1-4) (2005) 161–167.	1,263	11,753
2	H. W. Kim, J. H. Myung, S. H. Shim, and C. Lee Growth of Bi ₂ O ₃ rods using a trimethylbismuth and oxygen mixture <i>Applied Physics A-Materials Science & Processing</i> 84 (1-2) (2006) 187–189.	1,739	14,926
3	C. C. Huang, K. Z. Fung Effect of the surface configuration on the oxidation of bismuth nanowire <i>Materials Research Bulletin</i> 41 (9) (2006) 1604–1611.	1,383	12,553
4	M. Mehring, D. Mansfeld, S. Paalasmaa, and M. Schürmann Polynuclear bismuth-oxo clusters: Insight into the	5,015	36,766

	formation process of a metal oxide <i>Chemistry-A European Journal</i> 12 (6) (2006) 1767–1781.		
5	T. P. Gujar, V. R. Shinde, C. D. Lokhande, R. S. Mane, S.-H. Han Formation of highly textured (111) Bi ₂ O ₃ films by anodization of electrodeposited bismuth films <i>Applied Surface Science</i> 252 (8) (2006) 2747–2751.	1,436	12,906
6	H. W. Kim, J. W. Lee, C. M. Lee Production of Bi ₂ O ₃ nanorods via a catalyst-free approach <i>Journal of the Korean Physical Society</i> 49 (2) (2006) 632–636.	1,328	12,186
7	T. P. Gujar, V. R. Shinde, C. D. Lokhande Spray pyrolysed bismuth oxide thin films and their characterization <i>Materials Research Bulletin</i> 41 (8) (2006) 1558–1564.	1,383	12,553
8	M. Mehring From molecules to bismuth oxide-based materials: Potential homo- and heterometallic precursors and model compounds <i>Coordination Chemistry Reviews</i> 251 (7–8) (2007) 974–1006.	8,568	60,453
9	R. B. Patil, J. B. Yadav, R. K. Puri, V. Puri Optical properties and adhesion of air oxidized vacuum evaporated bismuth thin films <i>Journal of Physics and Chemistry of Solids</i> 68 (4) (2007) 665–669.	0,899	9,326
10	H. W. Kim, J. W. Lee, C. Lee Temperature-controlled fabrication of crystalline beta-Bi ₂ O ₃ nanowires through an MOCVD process <i>Journal of the Korean Physical Society</i> 50 (5) (2007) 1308–1311.	1,204	11,360
11	H. W. Kim “Synthesis and characterization of crystalline beta-Bi ₂ O ₃ nanobelts” <i>Thin Solid Films</i> 516 (11) (2008) 3665–3668.	1,884	15,893
12	T. P. Gujar, V. R. Shinde, C. D. Lokhande The influence of oxidation temperature on structural, optical and electrical properties of thermally oxidized bismuth oxide films <i>Applied Surface Science</i> 254 (13) (2008) 4186–4190.	1,576	13,840
13	H. W. Kim, J. W. Lee, S. H. Shim, M. A. Kebede, C. Lee, Crystalline bismuth oxide nanorods fabricated on Pt-coated substrates using a trimethylbismuth and oxygen mixture <i>Crystal Research and Technology</i> 43 (7) (2008) 695–699.	0,921	9,473

14	T. N. Soitah, C. Yang, Y. Yu, Y. H. Niu, L. Sun Properties of Bi ₂ O ₃ thin films prepared via a modified Pechini route <i>Current Applied Physics</i> 10 (6) (2010) 1372–1377.	1,740	14,933
15	Y. Cui, C. Wang, Y.-S. Zhou, Y.-F. Cui Electrochromic properties of Bi ₂ O ₃ thin films deposited by RF magnetron sputtering <i>Journal of Functional Materials and Devices</i> 16 (6) (2010) 548–554.	0	3,333
16	Y. D. Shen, Y. W. Li, W. M. Li, J. Z. Zhang, Z. G. Hu, J. H. Chu Growth of Bi ₂ O ₃ Ultrathin Films by Atomic Layer Deposition <i>Journal of Physical Chemistry C</i> 116 (5) (2012) 3449–3456.	4,814	35,426
17	D. P. Dutta, M. Roy, A. K. Tyagi Dual function of rare earth doped nano Bi ₂ O ₃ : white light emission and photocatalytic properties <i>Dalton Transactions</i> 41 (34) (2012) 10238–10248.	3,806	28,706
18	Abdulmajeed H. Y. Hendi, Saleh I. Al Quraishi, Nabil M. Maalej Gas flow-controlled microwave combustion synthesis of bismuth oxide nanoparticles <i>Journal of Nanoparticle Research</i> 16 (2014) 2374 DOI 10.1007/s11051-014-2374-6	2,175	17,833
TOTAL	18 citări		334,219

5. Lucrarea: G. I. Rusu, I. Căplănuș, **L. Leontie**, A. Airinei, E. Butuc, D. Mardare, and I. I. Rusu
"Studies on the Electronic Transport Properties of some Aromatic Polysulfones in Thin Films"
Acta Materialia **49** (3) (2001) 553–559
este citată în:

Nr. Crt.	Autorul, titlul lucrării, denumirea revistei în care se citează, vol., nr., pag. și anul	q_i = factorul de impact al revistei în care se citează	Punctaj (10 + 20 x q_i) /7 sau (5 + 10 x q_i) /7
1	F. Yakuphanoglu, A. O. Gorgulu, Y. Aydogdu, A. Aydogdu, M. Arslan The synthesis, characterization, and electrical conductivity of the potassium salt of 1,3-dipiperidin-1-ylpropan-2-O-xanthate <i>Synthesis and Reactivity in Inorganic and Metal-Organic Chemistry</i> , 33 (5) (2003) 911–923.	0,472	2,777
2*	V. Melnig, A. Farcas, G. Rusu, C. Baban Characaterization of poly[9,9-bis(2-ethylhexyl)-fluorene-co-9-ethylcapronate-fluorene-2,7 diyl] conducting polymer <i>Journal of Optoelectronics and Advanced Materials (JOAM)</i> 7 (6) (2005) 2875–2880.	1,138	2,340
3	A. Farcas, I. Ghosh, N. Jarroux, V. Harabagiu, P.	2,169	7,625

	Guegan, W. M. Nau Morphology and properties of a polyrotaxane based on gamma-cyclodextrin and a polyfluorene copolymer <i>Chemical Physics Letters</i> 465 (1-3) (2008) 96–101.		
4	E. M. El-Menyawy, A. M. Mansour, N. A. El-Ghamaz, S. A. El-Khodary Electrical conduction mechanisms and thermal properties of 2-(2, 3-dihydro-1,5-dimethyl-3-oxo-2-phenyl-1H-pyrazol-4-ylimino)-2-(4-nitrophenyl)acetonitrile <i>Physica B-Condensed Matter</i> 413 (2013) 31–35.	1,327	5,220
5	A. Zabulica, E. Perju, M. Bruma, L. Marin Novel luminescent liquid crystalline polyazomethines. Synthesis and study of thermotropic and photoluminescent properties <i>Liquid Crystals</i> 41 (2) (2014) 252–262.	1,959	7,025
TOTAL	5 citări		24,987

* reviste internaționale de specialitate cotate în Thomson Reuters (fost ISI) Web of Knowledge, apărute în țară

6. Lucrarea: **L. Leontie**, M. Caraman, M. Delibas, and G. I. Rusu

”Optical Properties of Bismuth Trioxide Thin Films”

Materials Research Bulletin **36 (9)** (2001) 1629–1637

este citată în:

Nr. Crt.	Autorul, titlul lucrării, denumirea revistei în care se citează, vol., nr., pag. și anul	q_i = factorul de impact al revistei în care se citează	Punctaj (10 + 20 x q_i) /4
1	C. Bedoya, G. G. Condorelli, G. Anastasi, A. Baeri, F. Scerra, I. L. Fragala, J. G. Lisoni, D. Wouters MOCVD of bismuth oxides: Transport properties and deposition mechanisms of the Bi(C ₆ H ₅)(3) precursor <i>Chemistry of Materials</i> , 16 (16) (2004) 3176–3183.	4,103	23,015
2	R. Irmawati, M. N. N. Nasriah, Y. H. Taufiq-Yap, S. B. A. Hamid Characterization of bismuth oxide catalysts prepared from bismuth trinitrate pentahydrate: influence of bismuth concentration <i>Catalysis Today</i> 93–95 (2004) 701–709.	3,108	18,040
3	B. J. Yang, M. S. Mo, H. M. Hu, C. Li, X. G. Yang, Q. W. Li, Y. T. Qian A rational self-sacrificing template route to β -Bi ₂ O ₃ nanotube arrays <i>European Journal of Inorganic Chemistry</i> 9 (2004) 1785–1787.	2,336	14,180
4	O. Rico-Fuentes, E. Sanchez-Aguilera, C. Velasquez, R. Ortega-Alvarado, J. C. Alonso, A.	1,569	10,345

	Ortiz Characterization of spray deposited bismuth oxide thin films and their thermal conversion to bismuth silicate <i>Thin Solid Films</i> 478 (1–2) (2005) 96–102.		
5	T. P. Gujar, V. R. Shinde, C. D. Lokhande, R. S. Mane, S.-H. Han Bismuth oxide thin films prepared by chemical bath deposition (CBD) method: Annealing effect <i>Applied Surface Science</i> , 250 (1–4) (2005) 161–167.	1,263	8,815
6	Y. Bessekhoud, D. Robert, J.-V. Weber, Photocatalytic activity of Cu ₂ O/TiO ₂ , Bi ₂ O ₃ /TiO ₂ and ZnMn ₂ O ₄ /TiO ₂ heterojunctions <i>Catalysis Today</i> 101 (3–4) (2005) 315–321.	2,365	14,325
7	H. T. Fan, X. M. Teng, S. S. Pan, C. Ye, G. H. Li, and L. D. Zhang Optical properties of δ -Bi ₂ O ₃ thin films grown by reactive sputtering <i>Applied Physics Letters</i> 87 (23) (2005) 231916, 231916/1–231916/3.	4,127	23,135
8	L. Li, Y.-W. Yang, G.-H. Li, and L.-D. Zhang Conversion of a Bi Nanowire Array to an Array of Bi–Bi ₂ O ₃ Core–Shell Nanowires and Bi ₂ O ₃ Nanotubes <i>Small</i> 2 (4) (2006) 548–553.	6,024	32,620
9	C. C. Huang, K. Z. Fung Effect of the surface configuration on the oxidation of bismuth nanowire <i>Materials Research Bulletin</i> 41 (9) (2006) 1604–1611.	1,383	9,415
10	T. Takeyama, Y. Kajikawa, N. Takahashi, T. Nakamura, S. Itoh Halide CVD of Bi ₂ O ₃ under atmospheric pressure: Synthesis of alpha-rods and delta-films <i>Chemical Vapor Deposition</i> 12 (4) (2006) 203–206.	1,679	10,895
11	M. Mehring, D. Mansfeld, S. Paalasmaa, and M. Schürmann Polynuclear bismuth-oxo clusters: Insight into the formation process of a metal oxide <i>Chemistry-A European Journal</i> 12 (6) (2006) 1767–1781.	5,015	27,575
12	T. P. Gujar, V. R. Shinde, C. D. Lokhande, R. S. Mane, S.-H. Han Formation of highly textured (111) Bi ₂ O ₃ films by anodization of electrodeposited bismuth films <i>Applied Surface Science</i> 252 (8) (2006) 2747–2751.	1,436	9,680
13	T. Takeyama, N. Takahashi, T. Nakamura, S. Itoh Icicle growth of δ -Bi ₂ O ₃ tips deposited on sapphire	1,353	9,265

	substrate by means of the carbothermal method <i>Materials Letters</i> 60 (28) (2006) 3416–3419.		
14	T. Takeyama, N. Takahashi, T. Nakamura, S. Itoh Heteroepitaxial growth of δ -Bi ₂ O ₃ thin films on CaF ₂ (111) by chemical vapour deposition under atmospheric pressure <i>Materials Research Bulletin</i> 41 (9) (2006) 1690–1694.	1,383	9,415
15	T. P. Gujar, V. R. Shinde, C. D. Lokhande Spray pyrolysed bismuth oxide thin films and their characterization <i>Materials Research Bulletin</i> 41 (8) (2006) 1558–1564.	1,383	9,415
16	H. T. Fan, S. S. Pan, X. M. Teng, C. Ye, G. H. Li, L. D. Zhang δ -Bi ₂ O ₃ thin films prepared by reactive sputtering: Fabrication and characterization <i>Thin Solid Films</i> 513 (1–2) (2006) 142–147.	1,666	10,830
17	L. S. Zhang, W. Z. Wang, J. O. Yang, Z. G. Chen, W. Q. Zhang, L. Zhou, S. W. Liu Sonochemical synthesis of nanocrystallite Bi ₂ O ₃ as a visible-light-driven photocatalyst <i>Applied Catalysis A-General</i> 308 (2006) 105–110.	2,630	15,650
18	B. L. Zhu, X. Z. Zhao Study on structure and optical properties of Bi ₂ O ₃ thin films prepared by reactive pulsed laser deposition <i>Optical Materials</i> 29 (2–3) (2006) 192–198.	1,709	11,045
19	R. A. Ismail Characteristics of Bismuth trioxide film prepared by rapid thermal oxidation <i>e-Journal of Surface Science and Nanotechnology</i> 4 (2006) 563–565.	0	2,500
20	G. J. You, P. Zhou, Z. W. Dong, C. F. Zhang, L. Y. Chen, S. X. Qian Femtosecond third-order optical nonlinearity of Au: Bi ₂ O ₃ nanocomposite films <i>Chinese Physics Letters</i> 24 (3) (2007) 730–733.	0,812	6,560
21	J. Le Bris, L. G. Hubert-Pfalzgraf, S. Daniele, J. Vaissermann Cost efficient synthesis of bismuth aminoalkoxides from bismuth oxide: Molecular structure of [Bi-2(mdea)(2)(mdeaH)(2)](mdeaH(2))(2) <i>Inorganic Chemistry Communications</i> 10 (1) (2007) 80–83.	1,850	11,750
22	R. B. Patil, R. K. Puri, V. Puri Oxidation temperature dependent optical properties of bismuth oxide thin films: Effect of vapour chopping and air exposure <i>Applied Surface Science</i> 253 (21) (2007) 8682–8688.	1,406	9,530

23	X.-P. Shen, S.-H. Wu, H. Zhao, Q. Liu Synthesis of single-crystalline Bi ₂ O ₃ nanowires by atmospheric pressure chemical vapor deposition approach <i>Physica E-Low-Dimensional Systems & Nanostructures</i> 39 (1) (2007) 133–136.	0,834	6,670
24	R. B. Patil, J. B. Yadav, R. K. Puri, V. Puri Optical properties and adhesion of air oxidized vacuum evaporated bismuth thin films <i>Journal of Physics and Chemistry of Solids</i> 68 (4) (2007) 665–669.	0,899	6,995
25	R. B. Patil, R. K. Puri, V. Puri Effect of chopping on the properties of bismuth oxide thin films <i>Materials Letters</i> 62 (2) (2008) 198–201.	1,748	11,240
26	J. Xie, X. Lu, M. Chen, G. Zhao, Y. Song, S. Lu The synthesis, characterization and photocatalytic activity of V(V), Pb(II), Ag(I) and Co(II)-doped Bi ₂ O ₃ <i>Dyes and Pigments</i> 77 (1) (2008) 43–47.	2,507	15,035
27	J. K. Reddy, K. Lalitha, V. D. Kumari, M. Subrahmanyam Photocatalytic study of Bi-ZSM-5 and Bi ₂ O ₃ /HZSM-5 for the treatment of phenolic wastes <i>Catalysis Letters</i> 121 (1–2) (2008) 131–136.	1,867	11,835
28	T. P. Gujar, V. R. Shinde, C. D. Lokhande The influence of oxidation temperature on structural, optical and electrical properties of thermally oxidized bismuth oxide films <i>Applied Surface Science</i> 254 (13) (2008) 4186–4190.	1,576	10,380
29	P. C. Andrews, P. C. Junk, I. Nuzhnaya, L. Spiccia Fluorinated bismuth alkoxides: from monomers to polymers and oxo-clusters <i>Dalton Transactions</i> 19 (2008) 2557–2568.	3,580	20,400
30	Z. Jiang, Y. Geng, D. Gu Write-once medium with BiO _x thin films for blue laser recording <i>Chinese Optics Letters</i> 6 (4) (2008) 294–296.	0	2,500
31	R. B. Patil, R. K. Puri and V. Puri Intrinsic stress of bismuth oxide thin films: effect of vapour chopping and air ageing <i>Journal of Physics: Conference Series</i> 114 (1) (2008) 012036.	0	2,500
32	S. Patil, R. Jadhav, V. Puri Ku band properties of Bi ₂ O ₃ thin film: Effect of oxidation temperature <i>International Conference on Recent Advances in Microwave Theory and Applications, Proceedings</i> : 163–165 (2008).	0	2,500

33	L. Zhou, W. Wang, H. Xu, S. Sun, M. Shang Bi ₂ O ₃ Hierarchical Nanostructures: Controllable Synthesis, Growth Mechanism, and their Application in Photocatalysis <i>Chemistry-A European Journal</i> 15 (7) (2009) 1776–1782.	5,382	29,410
34	M. Krupinski, M. Kac, A. Polit, Y. Zabala, D. A. Zajac, M. Marszalek, C. Kapusta, A. Dobrowolska XAFS Studies of the Behaviour of Bi in Co/Cu Multilayers <i>Acta Physica Polonica A</i> 115 (2) (2009) 565–567.	0,433	4,665
35	P. C. Andrews, G. B. Deacon, P. C. Junk, I. Kumar, J. G. MacLellan Synthesis, Ethanolysis, and Hydrolysis of Bismuth(III) ortho-Nitrobenzoate Complexes en Route to a Pearl Necklace-like Polymer of Bi-10 Oxo-Clusters <i>Organometallics</i> 28 (14) (2009) 3999–4008.	4,204	23,520
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123	L. Min, L. Feng, Y. P. Gang Tailoring the Band Structure of β -Bi ₂ O ₃ by Co-doping for Realized Photocatalytic Hydrogen Generation <i>Chemical Physics Letters</i> 601 (2014) 92–97.	2,145	13,225
124	X. Yang, W. Xiang, D. Yin, L. Pei, H. Zhao, H. Liu, X. Zhang, X. Liang Synthesis, Microstructures and the Third-Order Optical Nonlinearities of Na ₂ O–B ₂ O ₃ –SiO ₂ Glass Containing Bi ₂ O ₃ Nanocrystals <i>Science of Advanced Materials</i> 6 (6) (2014) 1188–1195(8)	2,509	15,045
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TOTAL	125 citări		1643,69

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“Electrical and optical properties of some new synthesized ylides in thin films”
Synthetic Metals **138** (2003) 157–163
este citată în:

Nr. Crt.	Autorul, titlul lucrării, denumirea revistei în care se citează, vol., nr., pag. și anul	q_i = factorul de impact al revistei în care se citează	Punctaj (10 + 20 x q_i) /5 sau (5 + 10 x q_i) /5*
1	D. Dorohoi Electronic Spectroscopy of N-ylids <i>Journal of Molecular Structure.</i> 704 (2004) 31–43.	1,200	6,800
2	A. Koca, F. Dagdelen, Y. Aydogdu Thermal and optical properties of benzofuran-2-yl3-phenyl-3-methylcyclobutyl thiosemicarbazone <i>Materials Letters</i> 58 (22–23) (2004) 2901–2905.	1,186	6,744

3	A. M. Hoge, M. Popa, C. Legrand, P. Ropa, G.G. Surpateanu, F. Cazier, P. Woisel, G. Surpateanu Theoretical and experimental study on the electrical properties of some 1,3,4-triazole derivatives <i>Journal of Molecular Structure</i> 699 (1–3) (2004) 31–37.	1,200	6,800
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12	M. Avadanei, D. O. Dorohoi, N. Puica-Melniciuc Ordering Tendency in Ternary Solutions of Pyridazinium Ylids Evidenced by Electron Spectroscopy <i>International Conference on Applications of Optics and Photonics</i> Proceedings of SPIE 8001 (2011) 10.1117/12.891518	0	2,000
13	L. Stroia, R.-E. Stanculescu, D.-O. Dorohoi Solvatochromism used in determining some molecular electro-optical parameters <i>International Conference on Applications of Optics and Photonics</i> Proceedings of SPIE 8001 (2011) 80012S.	0	2,000
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15	R. Postolachi, R. Danac, N. J. Buurma, A. Pui, M. Balan, S. Shova, C. Deleanu New cycloimmonium ylide ligands and their palladium (II) affinities <i>RSC Advances</i> 3 (38) (2013) 17260–17270.	2,562	12,248
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* reviste internaționale de specialitate cotate în *Thomson Reuters* (fost *ISI*) *Web of Knowledge*, apărute în țară

10. Lucrarea: **L. Leontie**, Ivona Olariu, and G. I. Rusu

“On the charge transport in some new carbanion disubstituted ylides in thin films”

Materials Chemistry and Physics **80** (2003) 506–511

este citată în:

Nr. Crt.	Autorul, titlul lucrării, denumirea revistei în care se citează, vol., nr., pag. și anul	q_i = factorul de impact al revistei în care se citează	Punctaj (10 + 20 x q_i) /3
1	D. Dorohoi Electronic Spectroscopy of N-ylids <i>Journal of Molecular Structure</i> 704 (1–3) (2004) 31–43.	1,200	11,333
2	A. M. Hoge, M. Popa, C. Legrand, P. Ropa, G. G. Surpateanu, F. Cazier, P. Woisel, G. Surpateanu Theoretical and experimental study on the electrical properties of some 1,3,4-triazole derivatives <i>Journal of Molecular Structure</i> 699 (1–3) (2004) 31–37.	1,200	11,333
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“On the electronic transport in some new synthesized high resistivity organic semiconductors in thin films”

Materials Science and Engineering B **100 (3)** (2003) 252–258

este citată în:

Nr. Crt.	Autorul, titlul lucrării, denumirea revistei în care se citează, vol., nr., pag. și anul	q_i = factorul de impact al revistei în care se citează	Punctaj (10 + 20 x q_i) /4
1	F. Yakuphanoglu, M. Sekerci, E. Evin The determination of the conduction mechanism and optical band gap of fluorescein sodium salt <i>Physica B-Condensed Matter</i> 382 (1–2) (2006) 21–25.	0,872	6,860
2	F. Yakuphanoglu Electrical conductivity and electrical modulus properties of alpha, omega- dihexylsexithiophene organic Semiconductor <i>Physica B-Condensed Matter</i> 393 (1–2) (2007) 139–142.	0,751	6,255
3	N. A. M. Barakat, A. M. Hamza, S. S.	1,846	11,730

	Al-Deyab, A. Qurashi, H. Y. Kim Titanium-based polymeric electrospun nanofiber mats as a novel organic semiconductor <i>Materials Science And Engineering B-Advanced Functional Solid-State Materials</i> 177 (1) (2012) 34–42.		
TOTAL	3 citări		24,845

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“On the luminescence of GaS(Cu) single crystals”

Journal of Luminescence **101** (2003) 71–77

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Nr. Crt.	Autorul, titlul lucrării, denumirea revistei în care se citează, vol., nr., pag. și anul	q_i = factorul de impact al revistei în care se citează	Punctaj (10 + 20 x q_i) /4
1	S. Shigetomi, K. Sakai, T. Ikari Photoluminescence of layered semiconductor GaS doped with Mn <i>Physica Status Solidi B-Basic Research</i> 241 (11) (2004) 2607–2612.	0,982	7,410
2	O. A. Balitskii, V. P. Savchyn, P. V. Savchyn Thermal oxidation of indium and gallium sulphides <i>Physica B-Condensed Matter</i> 355 (1–4) (2005) 365–369.	0,796	6,480
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6	J. Q. Hu, Y. Bando, J. H. Zhan, Z. W. Liu, D. Golberg Uniform and high-quality submicrometer tubes of GaS layered crystals	4,127	23,135

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TOTAL	12 citări		147,605

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“On the optical properties of bismuth oxide thin films prepared by pulsed laser deposition”

Thin Solid Films **473** (2005) 230–235

este citată în:

Nr. Crt.	Autorul, titlul lucrării, denumirea revistei în care se citează, vol., nr., pag. și anul	q_i = factorul de impact al revistei în care se citează	Punctaj (10 + 20 x q_i) / 4
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	<i>Chemical Physics Letters</i> 413 (1–3) (2005) 162–167.		
2	H. T. Fan, X. M. Teng, S. S. Pan, C. Ye, G. H. Li, and L. D. Zhang Optical properties of δ -Bi ₂ O ₃ thin films grown by reactive sputtering <i>Applied Physics Letters</i> 87 (23) (2005) 231916, 231916/1–231916/3.	4,127	23,135
3	L. Li, Y.-W. Yang, G.-H. Li, and L.-D. Zhang Conversion of a Bi Nanowire Array to an Array of Bi–Bi ₂ O ₃ Core–Shell Nanowires and Bi ₂ O ₃ Nanotubes <i>Small</i> 2 (4) (2006) 548–553.	6,024	32,620
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7	H. T. Fan, S. S. Pan, X. M. Teng, C. Ye, G. H. Li, L. D. Zhang δ -Bi ₂ O ₃ thin films prepared by reactive sputtering: Fabrication and characterization <i>Thin Solid Films</i> 513 (1–2) (2006) 142–147.	1,666	10,830
8	H. T. Fan, S. S. Pan, X. M. Teng, C. Ye, G. H. Li Structure and thermal stability of δ -Bi ₂ O ₃ thin films deposited by reactive sputtering <i>Journal of Physics D-Applied Physics</i> 39 (9) (2006) 1939–1943.	2,077	12,885
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10	W. Xiaohong, Q. Wei, H. Weidong Thin bismuth oxide films prepared through the sol-gel method as photocatalyst <i>Journal of Molecular Catalysis A-Chemical</i> 261 (2) (2007) 167–171.	2,707	16,035
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19	L. Zhou, W. Wang, H. Xu, S. Sun, M. Shang Bi_2O_3 Hierarchical Nanostructures: Controllable Synthesis, Growth Mechanism, and their Application in Photocatalysis	5,382	29,410

	<i>Chemistry-A European Journal</i> 15 (7) (2009) 1776–1782.		
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28	M. Bozoklu, O. Turkoglu, S. Yilmaz, M. Ari, I. Belenli Oxide ionic conductivity and crystallographic	0,705	6,025

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37	N. O. Kalaycioglu, E. Circir Synthesis, Characterization and Oxide Ionic Conductivity of Binary beta-(Bi ₂ O ₃) _{1-x} (Lu ₂ O ₃) _x System <i>Journal of the Chinese Chemical Society</i> 59 (1) (2012) 28–31.	0,879	6,895
38	Y. D. Shen, Y. W. Li, W. M. Li, J. Z. Zhang, Z. G. Hu, J. H. Chu Growth of Bi ₂ O ₃ Ultrathin Films by Atomic Layer Deposition <i>Journal of Physical Chemistry C</i> 116 (5) (2012) 3449–3456.	4,814	26,570
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40	X. –Y. Yang, W. –D. Xiang, X. –Y. Zhang, H. –T. Liu, H. –J. Zhao, X. –J. Liang Study on the Third-order Optical Nonlinear Absorption Properties of Bi ₂ O ₃ Nanocrystals Glass <i>Journal of Inorganic Materials</i> 27 (3) (2012) 317–322.	0,531	5,155
41	H. Sakata, S. Chakraborty, M. Wakaki Patterning of Bi ₂ O ₃ films using laser-induced forward and backward transfer techniques <i>Microelectronic Engineering</i> 96 (2012) 56–60.	1,224	8,620
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43	S. Wu, J. Fang, X. Xu, Z. Liu, X. Zhu, W. Xu Microemulsion Synthesis, Characterization of Highly Visible Light Responsive Rare Earth-Doped Bi ₂ O ₃ <i>Photochemistry And Photobiology</i> 88 (5) (2012) 1205–1210.	2,287	13,935
44	H. Lu, B. Dong, S. Wang, L. Zhao, Z. Xu, L. Wan, J. Li	1,469	9,845

	Impact of annealing on morphology and thermal stability of Bi ₂ O ₃ nanotube-based microarchitectures <i>Physica Status Solidi A-Applications and Materials Science</i> 209 (11) (2012) 2157–2160.		
45	A. Iljinas, V. Adomonis Gadolinium and Molybdenum Oxides Deposition Parameters Analysis by Reactive Pulse Magnetron Sputtering Book Series: <i>Radiation Interaction with Material and Its Use in Technologies</i> , 141–144 (2012). (Proceedings Paper, 4th International Conference on Radiation Interaction with Material and Its Use in Technologies, May 14-17, 2012, Kaunas, Lithuania)	0	2,500
46	D. Cardona, E. Camps, L. Escobar-Alarcon, S. E. Rodil Influence of the ion energy on the structure of Bi and Fe ₂ O ₃ thin films <i>Applied Physics A-Materials Science & Processing</i> 110 (4) (2013) 949–955.	1,545	10,225
47	S. Iyyapushpam, S. T. Nishanthi, D. P. Padiyan Photocatalytic degradation of methyl orange using alpha-Bi ₂ O ₃ prepared without surfactant <i>Journal of Alloys and Compounds</i> 563 (2013) 104–107.	2,390	14,45
48	C.-F. Lai, C.-C. Chang, M.-H. Wen, C.-K. Lin, M.-K. Wu Enhanced efficiency in InGaN-based photovoltaic devices combined with nanocrystalline Bi ₂ O ₃ /P3HT heterojunction structures <i>Physica Status Solidi A-Applications and Materials Science</i> 210 (6) (2013) 1133–1136.	1,469	9,845
49	E. Öztürk, N. O. Kalaycioglu, S. Dayan, H. Ozlu Synthesis, characterization and oxide ionic conductivity of beta-type solid solution in bismuth oxide doped with ytterbium oxide binary system <i>Bulletin of Materials Science</i> 36 (3) (2013) 491–494.	0,584	5,420
50	H. Fitouri, R. Boussaha, A. Rebey, B. El Jani Oxidation of bismuth nanodroplets deposit on GaAs substrate <i>Applied Physics A-Materials Science & Processing</i> 112 (3) (2013) 701–710.	1,545	10,225
51	S. M. F. Shaikh, G. Rahman, R. S. Mane, O.-S. Joo Bismuth oxide nanoplates-based efficient	3,777	21,385

	DSSCs: Influence of ZnO surface passivation layer <i>Electrochimica Acta</i> 111 (2013) 593–600.		
52	S. Wu, J. Fang, W. Xu, C. Cen Hydrothermal synthesis, characterization of visible-light-driven α - Bi_2O_3 enhanced by Pr^{3+} doping <i>Journal of Chemical Technology and Biotechnology</i> 88 (10) (2013) 1928–1833.	2,504	15,020
53	Y. Shen, Y. Li, K. Jiang, J. Zhang, Z. Duan, Z. Hu, J. Chu Fabrication and temperature-dependent band gap shrinkage of α -phase Bi_2O_3 thin films grown by atomic layer deposition method <i>European Physical Journal-Applied Physics</i> 62 (2) (2013) UNSP 20303.	0,710	6,050
54	S. Iyyapushpam, S. T. Nishanthi, D. Pathinettam Padiyan Degradation of methyl orange using bismuth oxide (Conference Paper) Proceedings of the International Conference on <i>Advanced Nanomaterials and Emerging Engineering Technologies</i> , ICANMEET 2013, Article number 6609252 , pp. 249–251. (2013 International Conference on Advanced Nanomaterials and Emerging Engineering Technologies, ICANMEET 2013; Chennai; India; 24 July 2013 through 26 July 2013; Category number CFP13YAU-ART; Code 100323).	0	2,500
55	D. Xie, Q. Su, J. Zhang, G. Du, B. Xu Graphite oxide-assisted sonochemical preparation of α - Bi_2O_3 nanosheets and their high-efficiency visible light photocatalytic activity <i>Journal of Materials Science</i> 49 (1) (2014) 218–224.	2,163	13,315
56	D. Z. Austin, D. Allman, D. Price, S. Hose, M. Saly, J. F. Conley Jr. Atomic layer deposition of bismuth oxide using $\text{Bi}(\text{OCMe}_2^i\text{Pr})_3$ and H_2O <i>Journal of Vacuum Sciences and Technology A: Vacuum, Surfaces and Films</i> 32 (1) (2014) 01A113.	1,432	9,660
57	F. Lu, R. Li, N. Huo, J. Yang, C. Fan, X. Wang, S. Yang, J. Li Synthesis of Bi_2S_3 - Bi_2O_3 composites and their enhanced photosensitive properties <i>RSC Advances</i> 4 (11) (2014) 5666–5670.	2,562	15,31
58	W. Qin, J. Qi, X. Wu Photocatalytic Property of Cu^{2+} -Doped Bi_2O_3	1,530	10,15

	Films under Visible Light Prepared by the Sol-Gel Method <i>Vacuum</i> 107 (2014) 204–207.		
59	M. Faisal, A. A. Ibrahim, H. Bouzid, S. A. Al-Sayari, M. S. Al-Assiri, A. A. Ismail Hydrothermal Synthesis of Sr-doped α -Bi ₂ O ₃ Nanosheets as Highly Efficient Photocatalysts Under Visible Light <i>Journal of Molecular Catalysis A: Chemical</i> 387 (2014) 69–75.	3,187	18,435
60	X. Yang, W. Xiang, D. Yin, L. Pei, H. Zhao, H. Liu, X. Zhang, X. Liang Synthesis, Microstructures and the Third-Order Optical Nonlinearities of Na ₂ O–B ₂ O ₃ –SiO ₂ Glass Containing Bi ₂ O ₃ Nanocrystals <i>Science of Advanced Materials</i> 6 (6) (2014) 1188–1195(8)	2,509	15,045
61	X. Sun, W. Shi, H. Tu, L. Xu, Y. Yan, J. Guan Precursors-Decomposited Synthesis and Visible-Light-Response Photocatalytic Properties of Uniform Porous Bi ₂ O ₃ Nanospheres <i>Nano</i> (2014) DOI: 10.1142/S1793292014500672	1,167	8,335
62	M. Martyniuk, D. Baldwin, R. Jeffery, K. K. M. B. D. Silva, R. C. Woodward, J. Cliff, R. N. Krishnan, J. M. Dell and L. Faraone Characterization of mechanical, optical and structural properties of bismuth oxide thin films as a write-once medium for blue laser recording <i>MRS Proceedings</i> 1633 (2014) mrsf13-1633-r15-79 doi:10.1557/opl.2014.145.	0	2,500
TOTAL	62 citări		734,89

14. Lucrarea **L. Leontie**, I. Druta, R. Danac, and G. I. Rusu

“On the electronic transport properties of pyrrolo[1,2-a][1,10]phenanthroline derivatives in thin films”

Synthetic Metals **155** (1) (2005) 138–145

este citată în:

Nr. Crt.	Autorul, titlul lucrării, denumirea revistei în care se citează, vol., nr., pag. și anul	q_i = factorul de impact al revistei în care se citează	Punctaj (10 + 20 x q_i) /4 sau (5 + 10 x q_i) /4*
1	U. Akgul, Z. Ergin, M. Sekerci, Y. Atici AC conductivity and dielectric behavior of [Cd(phen)(2)(SCN)(2)] <i>Vacuum</i> 82 (3) (2007) 340–345.	0,881	6,905
2*	F. Dumitrascu, R. M. Caira, C. Draghici, M. T. Caproiu, L. Barbu, B. Miu	0,284	1,960

	New 1,10-phenanthroline derivatives with potential antitumoral activity <i>Revue Roumaine de Chimie</i> 53 (3) (2008) 183–187.		
3	D. I. Chai, M. Lautens Tandem Pd-Catalyzed Double C-C Bond Formation: Effect of Water <i>Journal of Organic Chemistry</i> 74 (8) (2009) 3054–3061.	4,219	23,595
4	R. Heydari, B. Tahamipour Highly regioselective synthesis of dicyano-8a,10,11-trihydropyrrolo [1,2-a][1,10]phenanthrolines via a domino-Knoevenagel-cyclization <i>Chinese Chemical Letters</i> 22 (11) (2011) 1281–1284.	0,978	7,390
5	M. M. Elnahass, A. F. El-Deeb, M. A. Kamel, A. A. Atta, S. Y. Huthaily Space charge limited current conduction in p-N,N-dimethylaminobenzylidenemalononitrile (DBM) thin films <i>Solid State Sciences</i> 14 (1) (2012) 133–138.	1,671	10,855
6	S. Ye, J. Liu, J. Wu Generation of 4-polyfluoroaryl pyrrolo[1,2-a]quinolines via C-H bond activation <i>Chemical Communications</i> 48 (41) (2012) 5028–5030.	6,378	34,390
7	M. Li, X.-L. Lv., L.-R. Wen, Z.-Q. Hu Direct solvent-free regioselective construction of pyrrolo[1,2-a][1,10]phenanthrolines based on isocyanide-based multicomponent reactions <i>Organic Letters</i> 15 (6) (2013) 1262–1265.	6,142	33,210
8	M. M. El-Nahass, A. A. Atta, M. A. Kamel, S. Y. Huthaily AC conductivity and dielectric characterization of synthesized p-N,N dimethylaminobenzylidenemalononitrile (DBM) organic dye <i>Vacuum</i> 91 (2013) 14–19.	1,530	10,150
9	R. Heydari, B. Tahamipour, N. A. Torbati, C. Graiff, M. Ziyaadini One-Pot Synthesis and X-Ray Structure of New, Stable Tetrahydropyrrolo [1,2-a][1,10]phenanthrolines with Four Diastereoisomeric Centers <i>Synthetic Communications</i> 43 (15) (2013) 2031–2041.	1,060	7,800
10	S. Sarkar, K. Bera, S. Jalal, U. Jana Synthesis of Structurally Diverse	3,344	19,220

	Polyfunctional Pyrrolo[1,2-a] quinolines by Sequential Iron-Catalyzed Three-Component Coupling and Gold-Catalyzed Hydroarylation Reactions <i>European Journal of Organic Chemistry</i> 27 (2013) 6055–6061.		
11	Z.-M. Liu, J. Fang, C.-G. Yan Diastereoselective synthesis of 1,10-dihydropyrrolo[1,2-a][1,10]phenanthroline derivatives via 1,3-dipolar cycloaddition reaction <i>Chemical Research in Chinese Universities</i> 29 (6) (2013) 1089–1093.	0,735	6,175
12	J. C. Orejarena, S. L. Gomez, A. Palma, J. Cobo, M. Nogueras 1-(2-Allylaryl)-1 H -Pyrroles as Building Blocks for Novel 4-Methyl-4,5-diÂhydropyrrolo[1,2- A]quinoline Derivatives <i>Synlett</i> 25 (2) (2014) 243–246.	2,655	15,775
13	C. Sun, Y. Wu, W. Zhang, N. Jiang, T. Jiu, J. Fang Improving efficiency by hybrid TiO ₂ nanorods with 1,10-phenanthroline as a cathode buffer layer for inverted organic solar cells <i>ACS Applied Materials and Interfaces</i> 6 (2) (2014) 739–744.	5,008	27,540
14	Z. Wang, C. Feng, Y. Yan, Z. Zhang and K. Xu Cerium(III)-Catalyzed Cascade Cyclization: An Efficient Approach to Functionalized Pyrrolo[1,2-a]quinolines <i>Organic and Biomolecular Chemistry</i> , 2014, Accepted Manuscript DOI: 10.1039/C4OB00708E	3,568	20,340
TOTAL	14 citări		225,305

* reviste internaționale de specialitate cotate în Thomson Reuters (fost ISI) Web of Knowledge, apărute în țară

15. **L. Leontie**, I. Druta, R. Danac

“Electrical conduction mechanism in N-(p-R-phenacyl)-4,5-diazafluorenium-9-one bromides thin films”

Synthetic Metals **156** (2–4) (2006) 224–229

este citată în:

Nr. Crt.	Autorul, titlul lucrării, denumirea revistei în care se citează, vol., nr., pag. și anul	q_i = factorul de impact al revistei în care se citează	Punctaj (10 + 20 x q_i) /3
1	G. A. -N. Gohar, S. N. Khattab, O. O. Farahat, H. H. Khalil	1,578	13,853

	Kinetic studies of the reaction of phenacyl bromide derivatives with sulfur nucleophiles <i>Journal of Physical Organic Chemistry</i> 25 (4) (2012) 343–350.		
TOTAL	1 citare		13,853

16. Lucrarea I. Caraman, G. I. Rusu, **L. Leontie**

“Fundamental absorption edge in thin films of $\text{Cd}_{1-x}\text{Mn}_x\text{Te}$ solid solutions”

Journal of Optoelectronics and Advanced Materials **8** (3) (2006) 927–930

este citată în:

Nr. Crt.	Autorul, titlul lucrării, denumirea revistei în care se citează, vol., nr., pag. și anul	q_i = factorul de impact al revistei în care se citează	Punctaj (10 + 20 x q_i) / 3
1	S. A. Gad, M. Boshta, A. M. Abo El-Soud, Y. A. El-Gendy Effect of the annealing temperature on the structure and optical properties of $\text{Cd}_{1-x}\text{Mn}_x\text{Te}$ thin films <i>International Journal of Physical Sciences</i> 5 (7) (2010) 1004–1008.	0,540	6,933
2	V. V. Kosyakov, A. S. Opanasyuk, P. V. Kopal, P. M. Fochuk, V. V. Starikov Optical characteristics and composition of $\text{Cd}_{1-x}\text{Mn}_x\text{Te}$ films obtained by the close spaced sublimation technique <i>Journal of Nano- and electronic Physics</i> 3 (2) (2011) 48–58.	0	3,333
3	A. S. Opanasyuk, P. V. Koval, V. V. Kosyakov, P. M. Fochuk, A. E. Bolotnikov, R. B. James Some structural and optical properties of thin and thick CdTe and $\text{Cd}_x\text{Mn}_{1-x}\text{Te}$ films <i>Proc. SPIE</i> 8507 , <i>Hard X-Ray, Gamma-Ray, and Neutron Detector Physics XIV</i> , 85071K (October 24, 2012); doi:10.1117/12.929017.	0	3,333
TOTAL	3 citări		13,599

17. Lucrarea **L. Leontie**

“Optical properties of bismuth oxide thin films prepared by reactive magnetron sputtering”

Journal of Optoelectronics and Advanced Materials **8** (3) (2006) 1221–1224

este citată în:

Nr. Crt.	Autorul, titlul lucrării, denumirea revistei în care se citează, vol., nr., pag. și anul	q_i = factorul de impact al revistei în care se citează	Punctaj (10 + 20 x q_i) / 1 sau (5 + 10 x q_i) / 1*
1	R. B. Patil, R. K. Puri and V. Puri	0	10

	Intrinsic stress of bismuth oxide thin films: effect of vapour chopping and air ageing <i>Journal of Physics: Conference Series</i> 114 (1) (2008) 012036.		
2	K. Trentelman A note on the characterization of bismuth black by Raman microspectroscopy <i>Journal of Raman Spectroscopy</i> 40 (5) (2009) 585–589.	3,147	72,94
3*	S. Condurache-Bota, G. I. Rusu, N. Tigau, V. Nica, R. Drasovean Structural and optical analysis of superimposed bismuth and antimony oxides <i>Journal of Optoelectronics and Advanced Materials</i> 11 (12) (2009) 2159–2166.	0,433	9,330
4	N. Pugazhenthiran, P. Sathishkumar, S. Murugesan, S. Anandan Effective degradation of acid orange 10 by catalytic ozonation in the presence of Au-Bi ₂ O ₃ nanoparticles <i>Chemical Engineering Journal</i> 168 (3) (2011) 1227–1233.	3,461	79,22
5	M. A. Gondal, T. A. Saleh, Q. Drmosh Optical Properties of Bismuth Oxide Nanoparticles Synthesized by Pulsed Laser Ablation in Liquids <i>Science of Advanced Materials</i> 4 (3–4) (2012), 507–510.	2,509	60,18
6	A. Veber, S. Kunej, D. Suvorov The Influence of the Precursor on the Formation of Bi ₂ O ₃ Polymorphs in CSD-Derived Thin Films <i>Journal of the American Ceramic Society</i> 96 (3) (2013) 704–709.	2,107	52,14
7	M. Martyniuk, D. Baldwin, R. Jeffery, K. K.M.B.D. Silva, R. C. Woodward, J. Cliff, R. N. Krishnan, J. M. Dell and L Faraone Characterization of mechanical, optical and structural properties of bismuth oxide thin films as a write-once medium for blue laser recording <i>MRS Proceedings</i> 1633 (2014) mrsf13-1633-r15-79 doi:10.1557/opl.2014.145.	0	2,500
TOTAL	7 citări		286,310

* reviste internaționale de specialitate cotate în *Thomson Reuters* (fost *ISI*) *Web of Knowledge*, apărute în țară

18. Lucrarea **L. Leontie**

“Photoconductivity Characteristics of Bismuth Oxide in Thin Films”

Physics of Low-Dimensional Structures **2** (2006) 23–28

este citată în:

Nr. Crt.	Autorul, titlul lucrării, denumirea revistei în care se citează, vol., nr., pag. și anul	q_i = factorul de impact al revistei în care se citează	Punctaj (10 + 20 x q_i) /1
1	R. B. Patil, J. B. Yadav, R. K. Puri, V. Puri Optical properties and adhesion of air oxidized vacuum evaporated bismuth thin films <i>Journal of Physics and Chemistry of Solids</i> 68 (4) (2007) 665–669.	0,899	27,980
2	R. B. Patil, R. K. Puri and V. Puri Intrinsic stress of bismuth oxide thin films: effect of vapour chopping and air ageing <i>Journal of Physics: Conference Series</i> 114 (1) (2008) 012036.	0	10
TOTAL	2 citări		37,980

19. Lucrarea **L. Leontie**, G. I. Rusu

“On the electronic transport properties of bismuth oxide thin films”

Journal of Non-Crystalline Solids **352** (9–20) (2006) 1475–1478

este citată în:

Nr. Crt.	Autorul, titlul lucrării, denumirea revistei în care se citează, vol., nr., pag. și anul	q_i = factorul de impact al revistei în care se citează	Punctaj (10 + 20 x q_i) /2
1	T. P. Gujar, V. R. Shinde, C. D. Lokhande The influence of oxidation temperature on structural, optical and electrical properties of thermally oxidized bismuth oxide films <i>Applied Surface Science</i> 254 (13) (2008) 4186–4190.	1,576	20,760
2	J. Zhi, Y. Geng, D. Gu Write-once medium with BiO _x thin films for blue laser recording <i>Chinese Optics Letters</i> 6 (4) (2008) 294–296.	0	5,000
3	Z. Jiang, Y. Y. Geng, D. H. Gu Write-once medium with Fe-Doped BiO _x thin films for blue laser recording <i>Chinese Physics Letters</i> 25 (9) (2008)	0,743	12,430

	3288–3291.		
4	F. Schroder, N. Bagdassarov, F. Ritter, L. Bayarjargal Temperature dependence of Bi ₂ O ₃ structural parameters close to the alpha-delta phase transition <i>Phase Transitions</i> 83 (5) (2010) 311–325.	1,006	15,060
5	T. N. Soitah, C. Yang, Y. Yu, Y. H. Niu, L. Sun Properties of Bi ₂ O ₃ thin films prepared via a modified Pechini route <i>Current Applied Physics</i> 10 (6) (2010) 1372–1377.	1,740	22,400
6	A. P. Rambu, D. Sirbu, M. Dobromir, G. G. Rusu Electronic transport and optical properties of indium oxide thin films prepared by thermal oxidation <i>Solid State Sciences</i> , 14 (10) (2012) 1543–1549.	1,671	21,710
TOTAL	6 citări		97,360

20. Lucrarea: I. Caraman, G. I. Rusu, **L. Leontie**

”Photoelectrical and optical properties of CdMnTe single crystals and thin films”

Journal of Optoelectronics and Advanced Materials **8** (1) (2006) 107–111
este citată în:

Nr. Crt.	Autorul, titlul lucrării, denumirea revistei în care se citează, vol., nr., pag. și anul	q_i = factorul de impact al revistei în care se citează	Punctaj (10 + 20 x q_i) /3
1	S. A. Gad, M. Boshta, A. M. Abo El-Soud, Y. A. El-Gendy Effect of the annealing temperature on the structure and optical properties of Cd _{1-x} Mn _x Te thin films <i>Physica B: Condensed Matter</i> 405 (22) (2010) 4664–4667.	0,856	9,040
2	S. A. Gad, M. Boshta, A. M. Abo El-Soud, Y. A. El-Gendy Effect of the annealing temperature on the structure and optical properties of Cd _{1-x} Mn _x Te thin films <i>International Journal of the Physical Sciences</i> 5 (7) (2010) 1004–1008.	0,540	6,933
3	R. Brazis, A. Selskis, B. Kuklinski, M. Grinberg Surface-Fracture-Related Photoluminescence of CdMnTe Crystals <i>Lithuanian Journal of Physics</i> 52 (1)	0,645	7,633

	(2012) 24–29.		
TOTAL	3 citări		23,606

21. Lucrarea: **L. Leontie** and R. Danac

“Optical properties of some newly synthesized organic semiconductors in thin films”

Scripta Materialia **54** (2) (2006) 175–179

este citată în:

Nr. Crt.	Autorul, titlul lucrării, denumirea revistei în care se citează, vol., nr., pag. și anul	q_i = factorul de impact al revistei în care se citează	Punctaj (10 + 20 x q_i) / 2
1	Y. Belhocine, M. Bencharif DFT and TD-DFT Study of Structure and Properties of Semiconductive Hybrid Networks Formed by Bismuth Halides and Different Polycyclic Aromatic Ligands <i>E-Journal of Chemistry</i> 8 (2011) S195–S202.	0,516	10,160
2	A. A. M. Farag, A. M. Mansour, A. H. Ammar, M. A. Rafea, A. M. Farid Electrical conductivity, dielectric properties and optical absorption of organic based nanocrystalline sodium copper chlorophyllin for photodiode application <i>Journal of Alloys and Compounds</i> 513 (2012) 404–413.	2,390	28,900
3	G. A.-N. Gohar, S. N. Khattab, O. O. Farahat, H. H. Khalil Kinetic studies of the reaction of phenacyl bromide derivatives with sulfur nucleophiles <i>Journal of Physical Organic Chemistry</i> 25 (4) (2012) 343–350.	1,578	20,780
4	N. A. El-Ghamaz, A. Z. El-Sonbati, S. M. Morgan Optical properties of some synthesized azo thin films <i>Journal of Molecular Structure</i> 1027 (2012) 92–98.	1,404	19,040
5	G. Covarel, B. Bensaid, X. Boddaert, S. Giljean, P. Benaben, P. Louis Characterization of organic ultra-thin film adhesion on flexible substrate using scratch test technique <i>Surface & Coatings Technology</i> 211 (2012) 138–142.	1,941	24,410
6	N. A. El-Ghamaz, A. Z. El-Sonbati, M. A. Diab, A. A. El-Bindary, M. K. Awad, S. M. Morgan	1,338	18,380

	Dielectrical conduction mechanism and thermal properties of rhodanine azodyes <i>Materials Science in Semiconductor Processing</i> 19 (1) (2014) 150–162.		
TOTAL	6 citări		121,670

22. Lucrarea: I. Caraman, G. I. Rusu, **L. Leontie**

“The photoluminescence of CdTe thin films in SnO₂-CdS/CdTe-Ni solar cells thermally treated in CdCl₂ solution”

Journal of Optoelectronics and Advanced Materials **9** (5) (2007) 1546–1550

este citată în:

Nr. Crt.	Autorul, titlul lucrării, denumirea revistei în care se citează, vol., nr., pag. și anul	q_i = factorul de impact al revistei în care se citează	Punctaj (10 + 20 x q_i) /3
1	S. Chun, S. Lee, Y. Jung, J. S. Bae, J. Kim, D. Kim Wet chemical etched CdTe thin film solar cells <i>Current Applied Physics</i> 13 (1) (2013) 211 – 216.	1,814	15,426
2	S. Xu, C. Zhang, L. He, T. Wang, L. Ni, M. Sun, H. Miao, J. Zhang, Z. Dai, B. Wang, G. Zheng DNA detection of Toxoplasma gondii with a magnetic molecular beacon probe via CdTe@Ni quantum dots as energy donor <i>Journal of Nanomaterials</i> 2013 (2013), 473703.	1,547	13,646
TOTAL	2 citări		29,072

23. Lucrarea: **L. Leontie**, I. Druta, B. Furdui, G. I. Rusu

“On the mechanism of electrical conduction in some new quaternary salts of bipyridine and indolizine pyridine in thin films”

Progress in Organic Coatings **58** (4) (2007) 303–311 (**Review**)

este citată în:

Nr. Crt.	Autorul, titlul lucrării, denumirea revistei în care se citează, vol., nr., pag. și anul	q_i = factorul de impact al revistei în care se citează	Punctaj (10 + 20 x q_i) /4
1	F. Yakuphanoglu Electrical conductivity, optical and metal-semiconductor contact properties of organic semiconductor based on MEH-PPV/fullerene blend <i>Journal of Physics and Chemistry of Solids</i> 69 (4) (2008) 949–954.	1,103	8,015
2	J. C. Brauer, V. K. Thorsmolle, J.-E. Moser	1,577	10,385

	Terahertz Time-Domain Spectroscopy Study of the Conductivity of Hole-Transporting Materials <i>Chimia</i> 63 (4) (2009) 189–192.		
3	R. Papadakis, I. Deligkiozi, A. Tsolomitis Spectroscopic investigation of the solvatochromic behavior of a new synthesized non symmetric viologen dye: Study of the solvent-solute interactions <i>Analytical and Bioanalytical Chemistry</i> 397 (6) (2010) 2253–2259.	3,841	21,705
4	Tomoaki Nishida, Aiko Fukazawa, Eriko Yamaguchi, Hiroya Oshima, Shigehiro Yamaguchi, Motomu Kanai and Yoichiro Kuninobu Synthesis of Pyridine <i>N</i> -Oxide–BF ₂ CF ₃ Complexes and Their Fluorescence Properties <i>Chemistry – An Asian Journal</i> 9 (4) (2014) 1026–1030.	4,572	25,360
TOTAL	4 citări		65,465

24. Lucrarea: Marius Prelipceanu, Otilia-Sanda Prelipceanu, Ovidiu-Gelu Tudose, **Liviu Leontie**, Bernd Grimm and Sigurd Schrader

“Study of thermal conversion and patterning of a new soluble poly (p-phenylenevinylene) (PPV) precursor”

Materials Science in Semiconductor Processing **10** (2–3) (2007) 77–89

este citată în:

Nr. Crt.	Autorul, titlul lucrării, denumirea revistei în care se citează, vol., nr., pag. și anul	q_i = factorul de impact al revistei în care se citează	Punctaj (10 + 20 x q_i) /6
1	Ranbir Singh and Monica Katiyar Effect of thermal annealing on the performance of polysilane based organic light emitting diode <i>MRS Proceedings</i> 1091 (2008) 1091–AA07-48. doi:10.1557/PROC-1091-AA07-48. (2008 MRS Spring Meeting, Symposium AA – Conjugated Organic Materials–Synthesis, Structure, Device and Applications).	0	1,666
2	Y. Kim, C. Yun, P. Jadhav, J. You, E. Kim Emissive pattern formation by the photoreaction of poly(p-phenylene vinylene) <i>Current Applied Physics</i> 9 (5) (2009)	1,586	6,953

	1088–1092.		
3	L. A. Al-Hariri, J. B. Schlenoff Macro-counterions in a precursor to poly(phenylene vinylene): Toward defect-free luminescent films <i>Polymer</i> 51 (14) (2010) 2993–2997.	3,828	14,426
4	M. Muroyama, W. Saito, S. Yokokura, K. Tanaka, H. Usui Maskless Patterning of Vapor-Deposited Photosensitive Film and its Application to Organic Light-Emitting Diodes <i>Japanese Journal of Applied Physics</i> 50 (4) (2011) (SI) 04DK07, Part 2.	1,058	5,193
5	B. Tahamipour, R. Heydari, N. A. Torbati, M. Ziyaadini, C. Graiff Diastereoselective synthesis and X-ray structure of new stable dicyano (8aRS, 10SR, 11SR)-9,9-dicyano-10-aryl-11-benzoyl-8a, 9,10,11-tetrahydropyrrolo[1,2-a][1,10]phenanthrolines <i>Journal of Chemical Research</i> 6 (2011) 329–332.	0,550	3,500
6	R. Heydari, B. Tahamipour Highly regioselective synthesis of dicyano-8a,10,11-trihydropyrrolo [1,2-a][1,10]phenanthrolines via a domino-Knoevenagel-cyclization <i>Chinese Chemical Letters</i> 22 (11) (2011) 1281-1284.	0,775	4,250
7	A. Supangat, X. J. Zhou, W. Belcher, P. Dastoor Chemical vapour deposition of poly(p-phenylenevinylene) nanofilms for use in organic photovoltaics <i>Materials Research Innovations</i> 15 (2) (2011) 18–20.	0,409	3,030
8	L. A. Al-Hariri, L. Zheng, W Yang, J. B. Schlenoff Thermal Elimination of Precursors to Poly(phenylenevinylene) with a Macrocounterion versus a Small Counterion: A Coordinated Experimental and Simulation Study <i>Macromolecules</i> 44 (17) (2011) 6663–6668.	5,200	19,000
9	R. Heydari, B. Tahamipour, N. A. Torbati, C. Graiff, M. Ziyaadini One-Pot Synthesis and X-Ray Structure of New, Stable	1,060	5,200

	Tetrahydropyrrolo [1,2-a][1,10]phenanthrolines with Four Diastereoisomeric Centers <i>Synthetic Communications</i> 43 (15) (2013) 2031–2041.		
TOTAL	9 citări		63,218

25. Lucrarea: M. Prelipceanu, O. S. Prelipceanu, **L. Leontie** and R. Danac
 “Photoelectron spectroscopy investigations of pyrrolo[1,2-a][1,10]phenanthroline derivatives”
Physics Letters A **368** (3–4) (2007) 331–335
 este citată în:

Nr. Crt.	Autorul, titlul lucrării, denumirea revistei în care se citează, vol., nr., pag. și anul	q_i = factorul de impact al revistei în care se citează	Punctaj (10 + 20 x q_i) /4
1	B. Tahamipour, R. Heydari, N. A. Torbati, M. Ziyaadini, C. Graiff Diastereoselective synthesis and X-ray structure of new stable dicyano (8aRS, 10SR, 11SR)-9,9-dicyano-10-aryl-11-benzoyl-8a, 9,10,11-tetrahydropyrrolo[1,2-a][1,10]phenanthrolines <i>Journal of Chemical Research</i> 6 (2011) 329–332.	0,550	5,250
2	R. Heydari, B. Tahamipour Highly regioselective synthesis of dicyano-8a,10,11-trihydropyrrolo [1,2-a][1,10]phenanthrolines via a domino-Knoevenagel-cyclization <i>Chinese Chemical Letters</i> 22 (11) (2011) 1281–1284.	0,775	6,375
3	M. Li, X.-L. Lu., L.-R. Wen, Z.-Q. Hu Direct solvent-free regioselective construction of pyrrolo[1,2-a][1,10]phenanthrolines based on isocyanide-based multicomponent reactions <i>Organic Letters</i> 15 (6) (2013) 1262–1265.	6,142	33,210
4	R. Heydari, B. Tahamipour, N. A. Torbati, C. Graiff, M. Ziyaadini One-Pot Synthesis and X-Ray Structure of New, Stable Tetrahydropyrrolo [1,2-a][1,10]phenanthrolines with Four Diastereoisomeric Centers <i>Synthetic Communications</i> 43 (15) (2013) 2031–2041.	1,060	7,800
TOTAL	4 citări		52,635

26. Lucrarea: **L. Leontie**, R. Danac, I. Druta and G.I. Rusu
 “Electronic transport properties of 1-(p-R-phenacyl)-4-[(1'-ethylcarboxylate)-(3'-p-R'-phenacyl)]-7'-indoliziny]pyridinium bromides in thin films”
Thin Solid Films **516 (7)** (2008) 1599–1603
 este citată în:

Nr. Crt.	Autorul, titlul lucrării, denumirea revistei în care se citează, vol., nr., pag. și anul	q_i = factorul de impact al revistei în care se citează	Punctaj (10 + 20 x q_i) /5
1	M. Becuwe, F. Cazier, F. Delattre, D. Landy, S. Ruellan, P. Woisel Internal structure investigation of pyrogenic modified silica by fluorescent labeling <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> 384 (1–3) (2011) 248–253.	2,236	13,680
TOTAL	1 citare		13,680

27. Lucrarea: **Liviu Leontie**, Mihail Caraman, Igor Evtodiev, Elmira Cuculescu, Ana Mija
 “Optical properties of bismuth oxide thin films prepared by reactive d.c. magnetron sputtering onto p-GaSe (Cu)”
Physica Status Solidi (a) **205 (8)** (2008) 2052–2056
 este citată în:

Nr. Crt.	Autorul, titlul lucrării, denumirea revistei în care se citează, vol., nr., pag. și anul	q_i = factorul de impact al revistei în care se citează	Punctaj (10 + 20 x q_i) /5
1	K. Brezesinski, R. Ostermann, P. Hartmann, J. Perlich, T. Brezesinski Exceptional photocatalytic activity of ordered mesoporous β -Bi ₂ O ₃ thin films and electrospun nanofiber mats <i>Chemistry of Materials</i> 22 (10) (2010) 3079–3085.	6,397	27,588
2	J. Morasch, S. Li, J. Brotz, W. Jaegermann, A. Klein Reactively magnetron sputtered Bi ₂ O ₃ thin films: Analysis of structure, optoelectronic, interface, and photovoltaic properties <i>Physica Status Solidi (A) Applications and Materials Science</i> 211 (1) (2014) 93–100.	1,469	7,876
3	C. L. Gomez, O. Depablos-Rivera, J. C. Medina, P. Silva-Bermudez, S. Muhl, A. Zeinert, S. E. Rodil Stabilization of the delta-phase in Bi ₂ O ₃ thin films <i>Solid State Ionics</i> 255 (2014) 147–152.	2,046	10,184
4	M. Martyniuk, D. Baldwin, R. Jeffery, K. K. M. B. D. Silva, R. C.	0	2,000

	Woodward, J. Cliff, R. N. Krishnan, J. M. Dell and L Faraone Characterization of mechanical, optical and structural properties of bismuth oxide thin films as a write-once medium for blue laser recording <i>MRS Proceedings</i> 1633 (2014) mrsf13-1633-r15-79 doi:10.1557/opl.2014.145.		
TOTAL	4 citări		47,648

28. Lucrarea: I. Evtodiev, **L. Leontie**, M. Caraman, M. Stamate, and E. Arama

“Optical properties of *p*-GaSe single crystals doped with Te”

Journal of Applied Physics **105** (2) (2009) 023524

este citată în:

Nr. Crt.	Autorul, titlul lucrării, denumirea revistei în care se citează, vol., nr., pag. și anul	q_i = factorul de impact al revistei în care se citează	Punctaj (10 + 20 x q_i) /5
1	Z. Rak, S. D. Mahanti, K. C. Mandal, N. C. Fernelius Doping dependence of electronic and mechanical properties of GaSe _{1-x} Te _x and Ga _{1-x} In _x Se from first principles <i>Physical Review B</i> 82 (15) (2010) 155203.	3,772	17,088
2	S. -A. Ku, W. -C. Chu, C. -W. Luo, Y. M. Andreev, G. V. Lanskii, A. V. Shaiduko, T. I. Izaak, V. A. Svetlichnyi, E. A. Vaytulevich, V. V. Zuev Optical properties of Te-doped GaSe crystal <i>Chinese Optics</i> 4 (6) (2011) 660–666.	0,770	5,080
3	S. A. Ku, W.-C. Chu, C. W. Luo, Y. M. Andreev, G. Lanskii, A. Shaidukoi, T. Izaak, V. Svetlichnyi, K. H. Wu, T. Kobayashi Optimal Te-doping in GaSe for non-linear applications <i>Optics Express</i> 20 (5) (2012) 5029–5037.	3,546	16,184
4	W.-C. Chu, S. A. Ku, H. J. Wang, C. W. Luo, Yu. M. Andreev, G. Lanskii, T. Kobayashi Widely linear and non-phase-matched optical-to-terahertz conversion on GaSe:Te crystals <i>Optics Letters</i> 37 (5) (2012), 945–947.	3,546	16,184
5	Victor V. Atuchin, Svetlana A. Bereznaya, Nina F. Beisel, Zoya V.	2,072	10,288

	Korotchenko, Vladimir N. Kruchinin, Lev D. Pokrovsky, Anatoly I. Saprykin, Sergey Yu. Sarkisov Growth, chromium distribution and electrical properties of GaSe:Cr single crystals <i>Materials Chemistry and Physics</i> 146 (1–2) (2014) 12–17.		
6	Z.-S. Feng, J. Guo, J.-J. Xie, L.-M. Zhang, J.-Y. Gao, Yu. M. Andreev, T. I. Izaak, K. A. Kokh, G. V. Lanski, A. V. Shaiduko, A. V. Shabalina, V. A. Svetlichnyi GaSe:Er ³⁺ crystals for SHG in the infrared spectral range <i>Optics Communications</i> 318 (2014) 205–211.	1,438	7,752
7	J. Guo, J.-J. Xie, L.-M. Zhang, K. Kokh, Yu. Andreev, T. Izaak, G. Lanskii, A. Shaiduko, V. Svetlichnyi Characterization of optical quality of GaSe:Al crystals by exciton absorption peak parameters <i>Journal of Materials Science: Materials in Electronics</i> 25 (2014) 1757–1760.	1,486	7,944
TOTAL	7 citări		80,520

29. Lucrarea **L. Leontie**, I. Evtodiev, V. Nedeff, M. Stamate, and M. Caraman
“Photoelectric properties of Bi₂O₃/GaSe heterojunctions”

Applied Physics Letters **94** (7) 071903 (2009).

este citată în:

Nr. Crt.	Autorul, titlul lucrării, denumirea revistei în care se citează, vol., nr., pag. și anul	q_i = factorul de impact al revistei în care se citează	Punctaj (10 + 20 x q_i) /5
1	S. Lei, L. Ge, Z. Liu, S. Najmaei, G. Shi, G. You, J. Lou, R. Vajtai, P M. Ajayan Synthesis and Photoresponse of Large GaSe Atomic Layers <i>Nano Letters</i> 13 (6) (2013) 2777–2781.	13,025	54,100
2	Y. Zhou, Y. Nie, Y. Liu, K. Yan, J. Hong, C. Jin, Yu Zhou, J. Yin, Z. Liu, H. Peng Epitaxy and Photoresponse of Two-Dimensional GaSe Crystals on Flexible Transparent Mica Sheets <i>ACS Nano</i> 8 (2) (2014) 1485–1490.	12,062	50,248
TOTAL	2 citări		104,348

30. Lucrarea: **L. Leontie**, I. Druta, Al. Rotaru, N. Apetroaei, G.I. Rusu
 “Electronic transport properties of some new monoquaternary salts of 4,4'-bipyridine in thin films”

Synthetic Metals **159** (7–8) (2009) 642–648

este citată în:

Nr. Crt.	Autorul, titlul lucrării, denumirea revistei în care se citează, vol., nr., pag. și anul	q_i = factorul de impact al revistei în care se citează	Punctaj (10 + 20 x q_i) /5
1	M. Becuwe, F. Cazier, F. Delattre, D. Landy, S. Ruellan, P. Woisel Internal structure investigation of pyrogenic modified silica by fluorescent labeling <i>Colloids and Surfaces A-Physicochemical and Engineering Aspects</i> 384 (1–3) (2011) 248–253.	2,130	10,520
2	K. Kadac, M. J. Bosiak, J. Nowaczyk Synthesis and AC impedance studies of 2,6-distyrylbenzofuro[5,6-b]furan based new organic semiconductor <i>Synthetic Metals</i> 162 (21–22) (2012) 1981–1986.	2,109	10,436
TOTAL	2 citări		20,956

31. Lucrarea **L. Leontie**, I. Druta, B. Furdui, V. Nica, and G.I. Rusu

“Electrical d.c. conduction mechanism in some newly synthesized mono- and dipyrindine quaternary salts in thin films”

Synthetic Metals **159** (17–18) (2009) 1831–1836

este citată în:

Nr. Crt.	Autorul, titlul lucrării, denumirea revistei în care se citează, vol., nr., pag. și anul	q_i = factorul de impact al revistei în care se citează	Punctaj (10 + 20 x q_i) /5
1	M. Becuwe, F. Cazier, P. Woisel, F. Delattre Turn-on/turn-off fluorescent hybrid silica nanoparticles. A new promising material for selective anions' sensing <i>Colloids and Surfaces A-Physicochemical and Engineering Aspects</i> 433 (2013) 88–94.	2,108	10,432
TOTAL	1 citare		10,432

32. Lucrarea: **L. Leontie**, R. Danac, I. Druta, A. Carlescu, and G.I. Rusu

“Newly synthesized fused heterocyclic compounds in thin films with semiconductor properties”

Synthetic Metals **160** (11–12) (2010), 1273–1279

este citată în:

Nr. Crt.	Autorul, titlul lucrării, denumirea revistei în care se citează, vol., nr., pag.	q_i = factorul de	Punctaj
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	și anul	impact al revistei în care se citează	$(10 + 20 \times q_i) / 5$
1	M. Mahalingam, P. S. Mohan, K. Gayathri, R. Gomathi, P. Subhapriya Photo-induced antimicrobial and DNA cleavage studies of indoloquinolines and 1,8-naphtharidine <i>Journal of Chemical Sciences</i> 125 (5) (2013) 1015–1027.	1,298	7,192
TOTAL	1 citare		7,192

33. Lucrarea: **L. Leontie**, R. Danac, I. Druta, A. Carlescu, G. I. Rusu

“Electron transport properties of some newly synthesized nonsymmetrical bisindolizines in thin films”

Synthetic Metals **160** (23–24) (2010) 2526–2533

este citată în:

Nr. Crt.	Autorul, titlul lucrării, denumirea revistei în care se citează, vol., nr., pag. și anul	q_i = factorul de impact al revistei în care se citează	Punctaj $(10 + 20 \times q_i) / 5$ sau $(5 + 10 \times q_i) / 5^*$
1	P. Pipinys, A. Kiveris Variable range hopping and/or phonon-assisted tunneling mechanism of electronic transport in polymers and carbon nanotubes <i>Central European Journal of Physics</i> , 10 (2) (2012) 271–281.	0,905	5,620
2*	A. M. Zbancioc, A. Miron, C. Moldoveanu, G. Zbancioc Imidazolium Salts with Dihydroxyacetophenone Skeleton with Anticipated Anticancer Activity. II <i>Revista de Chimie</i> 64 (6) (2013) 584–586.	0,538	2,076
3	M. Becuwe, F. Cazier, P. Woisel, F. Delattre Turn-on/turn-off fluorescent hybrid silica nanoparticles. A new promising material for selective anions' sensing <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> 433 (2013) 88–94.	2,108	10,432
4*	Violeta Vasilache, Costel Moldoveanu, Liviu Fartais, Ioan-Marian Risca Effect of Some New Imidazole Derivatives on Wheat (<i>Triticum Aestivum</i>) Germination	0,538	2,076

	<i>Revista de Chimie</i> 65 (2) (2014) 177–180.		
TOTAL	4 citări		20,204

* reviste internaționale de specialitate cotate în *Thomson Reuters* (fost *ISI*) *Web of Knowledge*, apărute în țară

34. Lucrarea S. Condurache-Bota, G. I. Rusu, N. Tigau, and **L. Leontie**

“Important physical parameters of Bi₂O₃ thin films found by applying several models for optical data”

Crystal Research and Technology **45** (5) (2010) 503–511

este citată în:

Nr. Crt.	Autorul, titlul lucrării, denumirea revistei în care se citează, vol., nr., pag. și anul	q_i = factorul de impact al revistei în care se citează	Punctaj (10 + 20 × q_i) /6
1	J. Morasch, S. Li, J. Brotz, W. Jaegermann, A. Klein Reactively magnetron sputtered Bi ₂ O ₃ thin films: Analysis of structure, optoelectronic, interface, and photovoltaic properties <i>Physica Status Solidi (A) Applications and Materials Science</i> 211 (1) (2014) 93–100.	1,469	9,845
TOTAL	1 citare		9,845

35. Lucrarea: E. Cuculescu, Ig. Evtodiev, I. Caraman, **L. Leontie**, V. Nedeff, D.-I. Rusu

“Transport and generation-recombination mechanisms of nonequilibrium charge carriers in ZnO/In₂O₃/InSe: Cd heterojunctions”

Thin Solid Films **519** (21) (2011) 7356–7359

este citată în:

Nr. Crt.	Autorul, titlul lucrării, denumirea revistei în care se citează, vol., nr., pag. și anul	q_i = factorul de impact al revistei în care se citează	Punctaj (10 + 20 × q_i) /6
1	Z. Zou, C. Xie, S. Zhang, Y. Liu, S. Zhang, D. Zeng Extraordinarily enhanced gas phase photoelectric response of CdS/TiO ₂ nanocomposite photoelectrode: CdS as a sensitizer and a hole capturer <i>Journal of Nanoparticle Research</i> 15 (6) (2013) 10.1007/s11051-013-1734-y	2,175	8,916
TOTAL	1 citare		8,916

36. Lucrarea: M. Airimioaei, C. E. Ciomaga, N. Apostolescu, **L. Leontie**, A. R. Iordan, L. Mitoseriu, M. N. Palamaru

“Synthesis and functional properties of the Ni_{1-x}Mn_xFe₂O₄ ferrites”

Journal of Alloys and Compounds **509** (31) (2011), 8065–8072

este citată în:

Nr. Crt.	Autorul, titlul lucrării, denumirea revistei în care se citează, vol., nr., pag. și anul	q_i = factorul de impact al revistei în care se citează	Punctaj (10 + 20 x q_i) /7
1	W. Wen, J.-M. Wu, J.-P. Tu A novel solution combustion synthesis of cobalt oxide nanoparticles as negative-electrode materials for lithium ion batteries <i>Journal of Alloys and Compounds</i> 513 (2012) 592–596.	2,390	8,257
2	S. L. Cheng, J. G. Lin, K. M. Kuo, G. Chern Cation distribution in nickel manganese oxide <i>Journal of Applied Physics</i> 111 (7) (2012) 10.1063/1.3675151	2,210	7,742
3	A. Sutka, G. Mezinskis, A. Lusiš, D. Jakovlevs Influence of iron non-stoichiometry on spinel zinc ferrite gas sensing properties <i>Sensors and Actuators B</i> 171–172 (2012) 204–209.	3,535	11,528
4	A. Sutka, G. Mezinskis Sol-gel auto-combustion synthesis of spinel-type ferrite nanomaterials <i>Frontiers of Materials Science in China</i> 04 (2012) 6 (2) 128–141.	0	1,428
5	H. E. Hassan, T. Sharshar, M. M. Hessien, O. M. Hemeda Effect of gamma-rays irradiation on Mn-Ni ferrites: Structure, magnetic properties and positron annihilation studies <i>Nuclear Instruments & Methods in Physics Research Section B-Beam Interactions with Materials and Atoms</i> 304 (1) (2013) 72–79.	1,266	5,045
6	A. Sutka, G. Mezinskis, D. Jakovlevs, V. Korsaks Sol-gel combustion synthesis of CdFe ₂ O ₄ ferrite by using various reducing agents <i>Journal of the Australian Ceramic Society</i> 49 (2) (2013) 136–140.	0,164	1,897
7	H. Anwar, A. Maqsood, E. Pervaiz Structural, Magnetic, and Dielectric Properties of PEG Assisted Synthesis of Mn _{0.5} Ni _{0.5} Fe ₂ O ₄ Nanoferrites <i>Journal of Superconductivity and</i>	0,702	3,434

	<i>Novel Magnetism</i> 26 (9) (2013) 2955–2960.		
8	M. D. P. Silva, F. C. Silva, F. S. M. Sinfronio, A. R. Paschoal, E. N. Silva, C. W. A. Paschoal The effect of cobalt substitution in crystal structure and vibrational modes of CuFe_2O_4 powders obtained by polymeric precursor method <i>Journal of Alloys and Compounds</i> 584 (2014) 573–580.	2,390	8,257
9	H. Anwar, A. Maqsood Comparison of structural and electrical properties of Co^{2+} doped Mn-Zn soft nano ferrites prepared via coprecipitation and hydrothermal methods <i>Materials Research Bulletin</i> 49 (1) (2014) 426–433.	1,913	6,894
10	A. V. Raut, R. S. Barkule, D. R. Shengule, K. M. Jadkav Synthesis, structural investigation and magnetic properties of Zn^{2+} substituted cobalt ferrite nanoparticles prepared by the sol-gel auto-combustion technique <i>Journal of Magnetism and Magnetic Materials</i> 358–359 (2014) 87–92.	1,826	6,645
11	Hafiz M. I. Abdallah, Thomas Moyo Superparamagnetic behaviour of $\text{Mn}_x\text{Ni}_{1-x}\text{Fe}_2\text{O}_4$ spinel nanoferrites <i>Journal of Magnetism and Magnetic Materials</i> 361 (2014) 170–174.	1,826	6,645
12	I. Chicinaş, T. F. Marinca, B. V. Neamţu, F. Popa, O. Isnard, and V. Pop Synthesis, Structural, and Magnetic Properties of Nanocrystalline/Nanosized Manganese-Nickel Ferrite– $\text{Mn}_{0.5}\text{Ni}_{0.5}\text{Fe}_2\text{O}_4$ <i>IEEE Transactions on Magnetism</i> 50 (4) (2014) 2800704	1,422	5,491
13	N. M. Deraz, Omar H. Abd-Elkader Synthesis and Characterization of $\text{FeO/Ni}_{0.5}\text{Mn}_{0.5}\text{Fe}_2\text{O}_4$ Nano-Composite <i>Asian Journal of Chemistry</i> 26 (7) (2014) 2141–2146.	0.253	2,151
TOTAL	13 citări		75,414

37. Lucrarea Silvia Evtodiev, Iulia Caraman, Liliana Dmitroglu, **L. Leontie**, V. Nedeff, A. Dafinei, G. Lazar, and I. Evtodiev
 “Optical Properties of III-VI Lamellar Semiconductors Doped with Cu and Cd and of Related III-VI/Native Oxide Structures”

Journal of Nanoelectronics and Optoelectronics **6** (4) (2011) 502–513

este citată în:

Nr. Crt.	Autorul, titlul lucrării, denumirea revistei în care se citează, vol., nr., pag. și anul	q_i = factorul de impact al revistei în care se citează	Punctaj (10 + 20 x q_i) /8
1	D. L. Nika A Special Issue on Physical Properties and Applications of Nanostructures <i>Journal of Nanoelectronics and Optoelectronics</i> 6 (4) (2011) (Special Issue) 379–380.	0,556	2,640
TOTAL	1 citare		2,640

38. Lucrarea T. Slatineanu, A. R. Iordan, M. N. Palamaru, O. F. Caltun, V. Gafton, **L. Leontie**
 Synthesis and characterization of nanocrystalline Zn ferrites substituted with Ni
Materials Research Bulletin **46** (9) (2011) 1455–1460

este citată în:

Nr. Crt.	Autorul, titlul lucrării, denumirea revistei în care se citează, vol., nr., pag. și anul	q_i = factorul de impact al revistei în care se citează	Punctaj (10 + 20 x q_i) /6
1	A. B. Gadkari, T. J. Shinde, P. N. Vasambekar Influence of rare earth ion (Y^{3+}) on the magnetic and dc electrical properties of high density nanocrystalline MgCd ferrites <i>Materials Research Bulletin</i> 48 (2) (2013) 476–481.	1,913	8,043
2	T. Tangcharoen, A. Ruangphanit, W. Pecharapa Structural and magnetic properties of nanocrystalline zinc-doped metal ferrites (metal=Ni; Mn; Cu) prepared by sol-gel combustion method <i>Ceramics International</i> , 39 , Suppl. 1 (2013) S239–S243.	1,789	7,630
3	T. Tangcharoen, A. Ruangphanit, W. Klysubun, W. Pecharapa Characterization and enhanced photocatalytic performance of nanocrystalline Ni-substituted Zn ferrites synthesized by DEA-assisted sol-gel auto-combustion method <i>Journal of Sol-Gel Science and Technology</i> 66 (3) (2013) 387–398.	1,660	7,200
4	M. A. Gabal, S. Kosa, T. S. Al Mutairi Structural and magnetic properties of $Ni_{1-x}Zn_xFe_2O_4$ nano-crystalline ferrites prepared via	1,404	6,346

	novel chitosan method <i>Journal of Molecular Structure</i> 1063 (1) (2014) 269–273.		
5	X. Wu, H. Yu, H. Dong, L. Geng Enhanced infrared radiation properties of CoFe ₂ O ₄ by single Ce ³⁺ -doping with energy-efficient preparation <i>Ceramics International</i> 40 (4) (2014) 5905–5911.	1,789	7,630
6	T. Tangcharoen, W. Klysubun, C. Kongmark, W. Pecharapa Synchrotron X-ray absorption spectroscopy and magnetic characteristics studies of metal ferrites (metal = Ni, Mn, Cu) synthesized by sol-gel auto-combustion method <i>Physica Status Solidi (a)-Applications and Materials Science</i> 1–9 (2014) DOI: 10.1002/pssa.201330477.	1,469	6,563
7	B. K. Rai, L. Wang, S. R. Mishra, V. V. Nguyen, J. P. Liu Synthesis and Magnetic Properties of Hard-Soft SrFe ₁₀ Al ₂ O ₁₉ /NiZnFe ₂ O ₄ Ferrite Nanocomposites <i>Journal of Nanoscience and Nanotechnology</i> 14 (7) (2014) 5272–5277.	1,149	5,496
8	X. Wu, H. Yu, H. Dong Enhanced infrared radiation properties of CoFe ₂ O ₄ by doping with Y ³⁺ via sol-gel auto-combustion <i>Ceramics International</i> 40 (4) (2014) 5905–5911.	1,789	7,630
TOTAL	8 citări		56,538

39. Lucrarea **L. Leontie**, R. Danac, N. Apetroaei, and G. I. Rusu

“Study of electronic transport properties of some new N-(p-R-phenacyl)-1,7-phenanthroline bromides in thin films”

Materials Chemistry and Physics **127** (3) (2011) 471–478

este citată în:

Nr. Crt.	Autorul, titlul lucrării, denumirea revistei în care se citează, vol., nr., pag. și anul	q_i = factorul de impact al revistei în care se citează	Punctaj (10 + 20 x q_i) / 7 sau (5 + 10 x q_i) / 7*
1	X. Ju, X. Liao Electronic mobilities of fluorinated oligoacenes <i>International Journal of Materials Research</i> 104 (1) (2013) 109–113.	0,691	5,955
2*	A.-M. Zbancioc, A. Miron, C. Moldoveanu, G. Zbancioc Imidazolium Salts with	0,538	1,482

	Dihydroxyacetophenone Skeleton with Anticipated Anticancer Activity. II <i>Revista de Chimie</i> 64 (2013) 584–586.		
3*	Violeta Vasilache, Costel Moldoveanu, Liviu Fartais, Ioan-Marian Risca Effect of Some New Imidazole Derivatives on Wheat (<i>Triticum Aestivum</i>) Germination <i>Revista de Chimie</i> 65 (2) (2014) 177–180.	0,538	1,482
TOTAL	3 citări		8,919

* reviste internaționale de specialitate cotate în Thomson Reuters (fost ISI) Web of Knowledge, apărute în țară

40. Lucrarea D. C. Bostan, A. Timofte, **L. Leontie**

“Temperature-humidity index. Recent meteorological measurements in the Moldavia region”

Journal of Environmental Protection and Ecology **12** (3 A) (2011) 1592–1597

este citată în:

Nr. Crt.	Autorul, titlul lucrării, denumirea revistei în care se citează, vol., nr., pag. și anul	q_i = factorul de impact al revistei în care se citează	Punctaj (10 + 20 x q_i) / 3
1	E. Karaslavova, T. Dimitrova, N. Donchev, B. Teneva Influence of some meteorological factors on mortality from cardiovascular diseases in the city and in the region of Plovdiv <i>Journal of Environmental Protection and Ecology</i> 14 (1) (2013) 323–334.	0,259	5,060
TOTAL	1 citare		5,060

41. Lucrarea R. Danac, **L. Leontie**, A. Carlescu, G. I. Rusu

“DC Electric Conduction Mechanism of Some Newly Synthesized Indolizine Derivatives in Thin Films”

Materials Chemistry and Physics **134** (2–3) (2012) 1042–1048

este citată în:

Nr. Crt.	Autorul, titlul lucrării, denumirea revistei în care se citează, vol., nr., pag. și anul.	q_i = factorul de impact al revistei în care se citează	Punctaj (10 + 20 x q_i) / 4 sau (5 + 10 x q_i) / 4*
1	Q. Cai, Y.-P. Zhu. Y. Gao, J. J. Sun, A.-X. Wu A direct method for the synthesis of indolizine derivatives from easily available aromatic ketones, pyridines, and acrylonitrile derivatives <i>Canadian Journal of Chemistry-Revue Canadienne de Chimie</i> 91 (6) (2013)	0,964	7,320

	414–419.		
2*	A. M. Zbancioc, A. Miron, C. Moldoveanu, G. Zbancioc Imidazolium Salts with Dihydroxyacetophenone Skeleton with Anticipated Anticancer Activity. II <i>Revista de Chimie</i> 64 (6) (2013) 584–586.	0,538	2,595
3*	Violeta Vasilache, Costel Moldoveanu, Liviu Fartais, Ioan-Marian Risca Effect of Some New Imidazole Derivatives on Wheat (<i>Triticum</i> <i>Aestivum</i>) Germination <i>Revista de Chimie</i> 65 (2) (2014) 177–180.	0,538	2,595
TOTAL	3 citări		12,510

* reviste internaționale de specialitate cotate în Thomson Reuters (fost ISI) Web of Knowledge, apărute în țară

42. **Liviu Leontie**, Ramona Danac, Mihaela Girtan, Aurelian Carlescu, Alicia Petronela Rambu, Gheorghe I. Rusu

“Electron transport properties of some new 4-tert-butylcalix[4]arene derivatives in thin films”

Materials Chemistry and Physics **135** (1) (2012) 123–129

este citată în:

Nr. Crt.	Autorul, titlul lucrării, denumirea revistei în care se citează, vol., nr., pag. și anul.	q_i = factorul de impact al revistei în care se citează	Punctaj (10 + 20 x q_i) / 7
1	Akshaya K. Palai, Jihee Lee, Minkyung Jea, Hanah Na, Tae Joo Shin, Soonmin Jang, Seung-Un Park, Seungmoon Pyo Symmetrically functionalized diketopyrrolopyrrole with alkylated thiophene moiety: from synthesis to electronic devices applications <i>Journal of Materials Science</i> 49 (2014) 4215–4224.	2,163	7,608
TOTAL	1 citare		7,608

43. Lucrarea I. Evtodiev, I. Caraman, **L. Leontie**, D.-I. Rusu, A. Dafinei, V. Nedeff, G. Lazar

“Recombination luminescence and trap levels in undoped and Al-doped ZnO thin films on quartz and GaSe (0 0 0 1) substrates”

Materials Research Bulletin **47** (3) (2012) 794–797

este citată în:

Nr. Crt.	Autorul, titlul lucrării, denumirea revistei în care se citează, vol., nr., pag. și anul.	q_i = factorul de impact al revistei în care se citează	Punctaj (10 + 20 x q_i) / 7
1	M. M. El-Nahass, I. T. Zedan, A. A. Atta	0,710	3,457

	Preparation and characterization of Au/n-GaSe4/p-Si/Al Schottky-type thin film heterojunctions <i>The European Physical Journal-Applied Physics</i> 59 (2) (2012), 20101 1–6.		
TOTAL	1 citare		3,457

44. Lucrarea Ignas Vaiciulis, Mihaela Girtan, Anca Stanculescu, Liviu Leontie, Farid Habelhames, Stefan Antohe

"On Titanium Oxide Spray Deposited Thin Films for Solar Cells Applications"

Proceedings of The Romanian Academy, Series A **13** (4) (2012) 335–342

este citată în:

Nr. Crt.	Autorul, titlul lucrării, denumirea revistei în care se citează, vol., nr., pag. și anul	q_i = factorul de impact al revistei în care se citează	Punctaj (10 + 20 x q_i) /6
1	F. Habelhames, L. Lamiri, W. Zerguine, B. Nessark Improvement of photoelectrochemical and optical characteristics of MEH-PPV using titanium dioxide nanoparticles <i>Materials Science in Semiconductor Processing</i> 16 (3) (2013) 727–731.	1,338	6,126
TOTAL	1 citare		6,126

Total: 44 lucrări cu 465 citări

TOTAL I.12: 5847,131

14. Profesor/cercetător invitat la universități/institute de cercetare străinătate: 25 puncte pentru fiecare activitate

1. Université de Science et Technologies de Lille, M.F.R. de Physique, 27.02–31.03. 2013.

Punctaj: 25

TOTAL I.14: 25

15. Editor/Membru în Editorial Board & Advisory Board

reviste cotate *Web of Science*: editor, 30 puncte pentru fiecare revistă; membru, 20 puncte pentru fiecare revistă

reviste internaționale și alte reviste ale Universității: editor, 15 puncte pentru fiecare revistă; membru, 10 puncte pentru fiecare revistă

1. *Journal of Advanced Research in Physics* (Advisory Editor).

2. *Analele Universității „Al. I. Cuza” din Iași, Secțiunea Biofizică, Fizică Medicală și Fizica Mediului.*

3. *Buletinul Institutului Politehnic din Iași, secția Matematică-Mecanică-Fizică.*

TOTAL I.15: $10 \times 3 = 30$

19. Participări la manifestări științifice

Internaționale: președinte comitet organizare/consiliu științific, 25 puncte; pentru fiecare activitate; membru comitet organizare/consiliu științific, 15 puncte pentru fiecare activitate; moderator de panel, 15 puncte pentru fiecare activitate; raportor pe secțiuni/paneluri, 10 puncte pentru fiecare activitate

Naționale: președinte comitet organizare/consiliu științific, 15 puncte pentru fiecare activitate; membru

comitet organizare/consiliu științific, 5 puncte pentru fiecare activitate; moderator de panel, 5 puncte pentru fiecare activitate; raportor pe secțiuni/paneluri, 2 puncte pentru fiecare activitate

Membru comitet organizare

Internaționale

1. ICPAM-7, Iași, 10-12 iunie, 2004.
2. International conference "FUNDAMENTAL AND APPLIED RESEARCH IN PHYSICS", FARPhys – 2005, October 24-29, 2005, Iasi, Romania.
3. Ecole d'été "PHYSICO-CHIMIE DE L'ATMOSPHERE: DES EXPERIENCES DE LABORATOIRE AUX CAMPAGNES DE TERRAIN", 2-14 juillet 2006, Universitatea "Al. I. Cuza", Iași, România.
4. International Conference on Fundamental and Applied Research in Physics, Farphys-2007, 25-28 October 2007, Iasi, Romania.
5. 8th International Conference on Physics of Advanced Materials (ICPAM-8), June 4-7, 2008, Iasi, Romania.
6. NANOROMANIA 2009, June 2-5, 2009, Iași, România.
7. 8th International Conference on Physics of Advanced Materials (ICPAM-8), June 4-7, 2008, Iasi, Romania.
8. ICPAM-9, 20–23 September 2012, Iași, Romania

Punctaj: $8 \times 15 = 120$

Naționale

1. Simpozionul Național de Fizică "Ștefan Procopiu"-100 de ani de la naștere, Iași, 7-8 dec. 1990.
2. Al IV-lea Colocviu Național de Fizica și Tehnologia Materialelor Cristaline și Amorfe, Iași, 12-13 iunie 1992.
3. Al V-lea Colocviu Național de Fizica și Tehnologia Materialelor Cristaline și Amorfe, Iași, 13-14 iunie 1996.
4. Al VI-lea Colocviu Național de Fizica și Tehnologia Materialelor Cristaline și Amorfe (FTMCA-6), Iași, 8-9 iunie, 2000.
5. Conferința Națională de Fizică, Iași, 18-20 octombrie, 2001.

Punctaj: $5 \times 5 = 25$

**Moderator de panel
Internațional**

1. Moderator *Simpozionul Internațional de Geografia Mediului "Mediul Actual și Dezvoltarea Durabilă"*, Iași, 19-21 octombrie, 2007; 19 octombrie, 17:30-19, sala B-658.

2. Moderator *Al 3-lea Simpozion Internațional de Geografia Mediului, Mediul Actual și Dezvoltarea Durabilă*, Univ. Al. I. Cuza Iași, Fac. Geografie, Iași, 17-19 oct. 2008; Secțiunea 3. Riscuri naturale și antropice. Poluare și tehnologii de mediu.

3. **ICPAM-9**, 20–23 September 2012, Iași, Romania: chairman de secție, Ferdinand (Hall 3): T11 - Thin Films and Nanostructures for Modern Electronics; Chair persons: Munizer Purica, **Liviu Leontie**

Punctaj: 3×15=45

**Raportor pe secțiuni
Internațional**

10 puncte pentru fiecare activitate

1. G. I. Rusu, V. Șunel, I. Căplănuș, G. G. Rusu, **L. Leontie**
"Electrical Characteristics of Some New Organic Semiconductors in Thin Films"
9th International Conference on Thin Films, ICTF 9, September 6-10, 1993, University of Economics, Vienna, Austria, List of Participants, Topic 7: Organic and Polymer Thin Films, pp. 97 (98).

2. G. I. Rusu, G. G. Rusu, **L. Leontie**, D. Mardare
"On the Electrical Properties of Some New Organic Semiconductors in Thin Films"
14th General Conference G. G. C. M. D.-14, Madrid, March 28-31, 1994, Session E5, volume 18A, Th. A. E5. Po. 004.

3. G. G. Rusu, **L. Leontie**, D. Mardare, G. I. Rusu
"On the electrical properties of some new high-conductivity organic semiconductors"
Junior Euromat '94, Aug. 28-Sept. 2, 1994, Lausanne, Switzerland, Conference Book, pp.133.

4. G. G. Rusu, **L. Leontie**, D. Mardare, G. I. Rusu,
"On the electrical characteristics of some new organic semiconductors in thin films"
5th International Conference on Physics and Technology of Thin Films (MFFTTP-V), Oct. 3-6, 1995, Ivanno-Frankovsk, Ucraina, Section C-6, paper C-6-4.

5. G. I. Rusu, G. G. Rusu, **L. Leontie**, and M. Bucescu
"On the mechanism of electrical conduction in Bi₂O₃ thin films"
16th General Conference of the Condensed Matter Division, Leuven, Belgium, August 25-28, 1997.

6. G. I. Rusu, **L. Leontie**, G. G. Rusu, M. A. Bucescu
"On the mechanism of electrical conduction in Bi₂O₃ thin films"
14th International Vacuum Congress (IVC-14), International Convention Centre, Birmingham, UK, 31 August-4 September, 1998, lucrarea TF.Pwe.149.

7. **L. Leontie**, G. I. Rusu, M. Caraman, and G. G. Rusu
"On the Electrical Properties of Bi₂O₃ Thin Films"
The 3rd Conference on Condensed Matter Physics, Sept. 17-19, 1999, Timișoara, Romania, Abstract P2-3, Abstract Book, pp. 71;

8. **L. Leontie**, M. Caraman, M. Delibaș, and G.I. Rusu
"Optical Properties of Bi₂O₃ Thin Films"

The 3rd Conference on Condensed Matter Physics, Sept. 17-19, 1999, Timișoara, Romania, Abstract P2-4, Abstract Book, pp. 72.

9. Leontie L., G. I. Rusu, M. Caraman, G. G. Rusu

"On the electrical characteristics of polycrystalline Bi₂O₃ thin films"

4th General Conference of the Balkan Physical Union, (BPU-4), August 22-25, 2000, Veliko Turnovo, Bulgaria, poster 6P-028.

10. G. I. Rusu, I. Căplănuș, L. Leontie, A. Airinei, C. Baban, D. Mardare

"Studies on the electronic transport properties of some aromatic polysulfones in thin films"

ROCAM 2000, Romanian Conference on Advanced Materials, Oct. 23-25, 2000, Bucharest, Romania, Abs. Book. pp. 72.

11. L. Leontie, M. Caraman, G. I. Rusu

"On the photoconductivity of Bi₂O₃ in thin films"

ROCAM 2000, Romanian Conference on Advanced Materials, Oct. 23-25, 2000, Bucharest, Romania, Abs. Book. pp. 188.

12. L. Leontie, M. Caraman, C. Harnagea, and M. Alexe

"Optical and structural properties of Bismuth Oxide thin films"

International Conference on Materials Science and Condensed Matter Physics (MSCMP 2001), July 5-7, 2001, Chisinau, Moldova, Abstract FW.10P, pp. 213.

13. V. Chiricenco, M. Caraman, I. I. Rusu, L. Leontie

"On the Luminescence of GaS(Cu) Single Crystals"

International Conference on Materials Science and Condensed Matter Physics (MSCMP 2001), July 5-7, 2001, Chisinau, Moldova, Abstract Sc.26P, pp. 60.

14. L. Leontie, G. I. Rusu, M. Delibas, I. Olariu, M. Roman, N. Apetroaie, M. Tasca

"Electrical and optical properties of some new organic semiconductors in thin films"

International Conference on Materials Science and Condensed Matter Physics (MSCMP 2001), July 5-7, 2001, Chisinau, Moldova, Abstract FW.25P

15. L. Leontie, M. Caraman, M. Alexe, C. Harnagea

"Optical and structural properties of bismuth oxide in thin films"

International Conference on Amorphous and Microcrystalline Semiconductors (ICAMS 19), 27-31 August 2001, Nice (France), Poster, Abstract Book & Final Program Th-P7/7.

16. G. I. Rusu, V. Sunel, L. Leontie, and Mihaela Rusu

"On the electronic transport properties of some N-(m-Nitrobenzoyl)-asparagic acid derivatives in thin films"

International Conference on Amorphous and Microcrystalline Semiconductors (ICAMS 19), 27-31 August 2001, Nice (France), Poster, Abstract Book & Final Program Th-P3/2.

17. L. Leontie, M. Caraman, M. Alexe, C. Harnagea

"Structural and optical characteristics of bismuth oxide thin films"

20th European Conference on Surface Science (ECOSS-20), Krakow, Poland, September 4-7, 2001, Poster Th-P-64, Conference Abstracts Vol. 25J, pp. 151.

18. G. I. Rusu, L. Leontie, G. G. Rusu, M. Girtan and I. Salaoru

"On the mechanism of electrical conduction in oxidized bismuth thin films"

20th European Conference on Surface Science (ECOSS-20), Krakow, Poland, September 4-7, 2001, Poster Tu-P-118, Conference Abstracts Vol. 25J, pp. 78.

19. L. Leontie, M. Caraman, G. I. Rusu

"On the photoluminescence of bismuth oxide in thin films"

The Fourth International Congress in Materials Science and Engineering, Iasi, April 18-20, 2002, Proceedings: Buletinul Institutului Politehnic din Iasi, Tom. XLVIII (LII), Fasc. 1-2, pp. 69.

20. G. I. Rusu, L. Leontie, D. Mardare, G. G. Rusu

"On the electrical characteristics of some new organic semiconductors in thin films"

- E-MRS 2002 Spring Meeting*, Strasbourg (France), June 18-21, 2002, Symposium F, Poster F/PI.14, Materials, Program pp. F-5, abstract at <http://www.elsevier.com/vj/emrs>.
- 21. L. Leontie**, M. Roman, F. Brinza, C. Podaru, G. I. Rusu
“Electrical and optical properties of some new synthesised ylids in thin films”
E-MRS 2002 Spring Meeting, Strasbourg (France), June 18-21, 2002, Symposium F, Poster F/PI.15, Materials, Program pp. F-5, abstract at <http://www.elsevier.com/vj/emrs>.
- 22. L. Leontie**, G. I. Rusu, I. Olariu, and F. Brinza
“On the charge transport in some new carbanion disubstituted ylides in thin films”
7th International Conference on Nanometer-Scale Science and Technology + 21st European Conference on Surface Science (NANO-7/ECOSS-21), June 24-28, 2002, Malmö (Sweden), Poster TU-P-167, Program, pp. 114, Short Abstracts, pp. 69, extended abstracts-on CD.
- 23. G. I. Rusu, L. Leontie**, G. G. Rusu, M. Girtan, I. Salaoru, and M. E. Popa
“Study on the electronic transport properties of oxidized bismuth thin films”
7th International Conference on Nanometer-Scale Science and Technology + 21st European Conference on Surface Science (NANO-7/ECOSS-21), June 24-28, 2002, Malmö (Sweden), Poster TH-P-020, Program, pp. 173, Short Abstracts, pp. 87, extended abstracts-on CD.
- 24. L. Leontie**
“On the electronic transport in polycrystalline bismuth oxide thin films”
International Conference on Advanced Materials and Structures (AMS 2), 19-21 September 2002, Timisoara-Romania. Conference proceedings, Sect. Materials, p. 213-218, ISBN: 973-8391-50-4.
- 25. L. Leontie**, M. Caraman, A. Visinoiu, G. I. Rusu
“Optical and structural properties of Bi₂O₃ thin films prepared by PLD and magnetron sputtering”
ECOSS 22, 22nd European Conference on Surface Science, September 7-12 2003, Praha, Czech Republic, Topics: Small particles, clusters and nanostructures, Poster session, September 11th - Poster no. 16927.
- 26. E. Cuculescu, P. Lozovanu, L. Leontie**, M. Caraman
“Some optical properties of fullerenes C60 intercalated, GaSe single crystals”
Fifth General Conference of the Balkan Physical Union, August 25-29, 2003, Vrnjacka Banja, SERBIA and MONTENEGRO, lucrarea SP06 – 037, Proceedings, p. 667-670.
- 27. L. Leontie**, I. Druta, R. Alupoae, G.I. Rusu, C. Podaru
“On the dc conduction mechanism in some new high resistivity organic salts in thin films”
ROCAM 2003, The 4th International Edition of Romanian Conference on Advanced Materials, September 15-18, 2003, Constanta, Romania; Abstract Book (Ed. Bucharest Univ.), poster PO 1S050.
- 28. L. Leontie**, I. Druta, R. Danac, and G. I. Rusu
“On the dc conduction mechanism of new synthesized organic salts in thin films”
1st Nanoforum Workshop, Nanomaterials and Applications, Oct. 5-7, 2003, Sinaia, România, poster.
- 29. L. Leontie**
“Photoconductivity characteristics of bismuth oxide in thin films”
7th International Conference on Physics of Advanced Materials, ICPAM-7, June 10-12, 2004, Iași, România, poster P-IV.7, Abstracts p. 148.
- 30. L. Leontie**
“Optical properties of bismuth oxide thin films prepared by reactive magnetron sputtering”
7th International Conference on Physics of Advanced Materials, ICPAM-7, June 10-12, 2004, Iași, România, poster P-IV.8, Abstracts p. 149.
- 31. L. Leontie**, G. I. Rusu, F. Brinza, I. Druta, Al. Rotaru
“On the charge transport in some new synthesized organic semiconductors in thin films”

EMRS Spring Meeting, Strasbourg, May 24-28, 2004: Symposium F, Supramolecular approaches to organic electronics and nanotechnology; Session IV: Charge-injection, charge-transfer and transport, spintronics, Poster Session 1, Abstract Book F/PI.49.

32. L. Leontie, G. I. Rusu, D. Timpu, M. Caraman

“Optical and photoelectrical properties of a new synthesized polymer in thin films”

EMRS Spring Meeting, Strasbourg, May 24-28, 2004: Symposium F, Supramolecular approaches to organic electronics and nanotechnology; Session IV: Charge-injection, charge-transfer and transport, spintronics, Poster Session 1, Abstract Book F/PI.50.

33. L. Leontie, I. Druta, Al. Rotaru, Gh. I. Rusu, and C. Podaru

„On the electronic transport properties of some new diquaternary salts in thin films”

IVC16, Venice 2004; Day: June 30th, WeA - EM - Session: Aspects of Electronic Materials.

34. L. Leontie, R. Danac, I. Druta, G. I. Rusu

“Electronic transport properties of Pyrrolo[1,2-a][1,10]Phenantroline derivatives, in thin films”

5th International Balkan Workshop of Applied Physics, Constanta, July 5-7, 2004; section 1- Condensed matter physics and applications.

35. Iuliana Caraman, G. I. Rusu, **L. Leontie**

"Optical and photoelectrical properties of $\text{Cd}_{1-x}\text{Mn}_x\text{Te}$ crystals"

EXC!TING Symposium on Excited-state properties of solids, Maritim Parkhotel Mannheim, May 16-19, 2005.

36. L. Leontie, I. Druta, R. Danac, G. I. Rusu

“Electrical properties of some new high resistivity organic semiconductors in thin films”

2005 EMRS Spring Meeting, May 31-June 3, Strasbourg, France: Symposium E: Synthesis, Characterization and Applications of Mesosstructured Thin Layers.

37. Elmira Cuculescu, **L. Leontie**, I. Evtodiev, M. Caraman

“The study of photogeneration processes of non-equilibrium charge carriers in the surface layer of Cu-doped GaSe”

10th International Conference on the Formation of Semiconductor Interfaces (ICFSI-10) Aix-enProvence, France, July 3-8, 2005; lucrarea P-II-23.

38. L. Leontie, V. Robu, M. Caraman

“Optical properties of 2-methylenindolenine photocumulative organic compounds”

10th International Conference on the Formation of Semiconductor Interfaces (ICFSI-10) Aix-enProvence, France, July 3-8, 2005; lucrarea P-II-24.

39. L. Leontie, I. Druta, T. Daniloaia, G.I. Rusu

“On the d.c. conduction mechanism of N-(p-R-phenacyl)-1,7-phenanthroline bromides in thin films”

The Fifth International Congress in Materials Science and Engineering, "Gh. Asachi" Technical University from Iasi, May 26-28th, 2005.

40. Elmira Cuculescu, Ig. Evtodiev, M. Caraman, **L. Leontie**

“Study of generation-recombination processes of non-equilibrium charge carriers in single-crystalline thin GaSe(Cu) films”

6th International Balkan Workshop on Applied Physics, July 5-7th, 2005, Constanta, Romania, S1, P34, Poster

41. Iuliana Caraman, Gh. I. Rusu, **Liviu Leontie**

“Photoelectrical and optical properties of $\text{Cd}_{1-x}\text{Mn}_x\text{Te}$ single crystals and thin films”

6th International Balkan Workshop on Applied Physics, July 5-7th, 2005, Constanta, Romania, S1, P30, Poster

42. L. Leontie, G. I. Rusu

“On the mechanism of electrical conduction in bismuth oxide polycrystalline thin films”

21st International Conference on Amorphous and Nanocrystalline Semiconductors, ICANS 21- Science and Technology, 4-9 Sept. 2005, Lisbon, Portugal; work TP3.13, poster; Book of Abstracts p. 157.

43. Gh. Rusu, Elena Rusu, **L. Leontie**, G. I. Rusu
“On the electrical DC conduction mechanism in some new synthesised nylon 6/12 copolymers”
IWSP 2005, International Workshop on Surface Physics 2005 (ECOSS-23 Satellite), Advanced and Bio-Materials, 10-13 September 2005, Polanica Zdrój, Poland; Programme and Abstracts work 34, Poster.
44. Ramona Danac, **Liviu Leontie**, Marinela Irimia, Ioan Druta
“Synthesis of New 1,10-Phenanthroline Derivatives and Their Electrical Properties”
SFC EuroChem, 28 Aout-1er Sept. 2005, Nancy, France; work CA02/27, Poster.
45. Iuliana Caraman, G. I. Rusu, **L. Leontie**
“The study of the fundamental absorption edge of $\text{Cd}_{1-x}\text{Mn}_x\text{Te}$ solid solutions in thin films”
 International conference *"FUNDAMENTAL AND APPLIED RESEARCH IN PHYSICS"*
 FARPhys – 2005, October 24-29, 2005, Iasi, Romania; P-9, Abstract Book p. 29.
46. **L. Leontie** and R. Danac
“Optical properties of n-(p-r-phenacyl)-1, 10-phenanthroline bromides in thin films”
 International conference *"FUNDAMENTAL AND APPLIED RESEARCH IN PHYSICS"*
 FARPhys – 2005, October 24-29, 2005, Iasi, Romania; P-21, Abstract Book p. 41.
47. **L. Leontie**, R. Danac, I. Druta, V. Pohoata
“Electrical properties of some new pyridium monoquaternary salts derivatives in thin films”
 International conference *"FUNDAMENTAL AND APPLIED RESEARCH IN PHYSICS"*
 FARPhys – 2005, October 24-29, 2005, Iasi, Romania; P-22, Abstract Book p. 42.
48. Iuliana Caraman, **L. Leontie**, G. I. Rusu
“On the luminescence of CdTe thin films in $\text{SnO}_2/\text{CdS}/\text{CdTe}/\text{Ni}$ heterojunctions”
EMRS Spring Meeting, May 29-June 2, 2006, Nice, France. Symposium: O-Thin Film Chalcogenide Photovoltaic Materials, Paper O PIII 06; Poster Session III, Characterization, Thursday, June 1, 2006, 15:30 - 17:30.
49. **L. Leontie**, R. Danac, I. Druta, G.I. Rusu
“Electronic transport properties of 1-(p-R-phenacyl)-4-[(1'-ethylcarboxylate)-(3'-p-R'-phenacyl)]-7'-indoliziny]pyridinium bromides in thin films”
E-MRS Spring Meeting, May 29-June 2, 2006, Nice, France. Symposium R: Transparent Electronics – From materials to devices; Paper PIV 27; Poster Session 4, Thursday, June 1, 2006, 16:30 - 18:30
50. Luminița Stroia, Anișoara Oniciuc, Ermilia Chiruta, **Liviu Leontie**
“Efecte de poluare atmosferică în arealul Piatra Nemaț-Săvinești”
 Ecole d'été “PHYSICO-CHIMIE DE L'ATMOSPHERE: DES EXPÉRIENCES DE LABORATOIRE AUX CAMPAGNES DE TERRAIN”, 2-14 juillet 2006, Universitatea “Al. I. Cuza”, Iași, România, poster
51. Luminița Stroia, Mihai Apăvăloae, **Liviu Leontie**
“Efecte indirecte ale radiației solare”
 Ecole d'été “PHYSICO-CHIMIE DE L'ATMOSPHERE: DES EXPÉRIENCES DE LABORATOIRE AUX CAMPAGNES DE TERRAIN”, 2-14 juillet 2006, Universitatea “Al. I. Cuza”, Iași, România, poster
52. Iuliana Caraman, G. I. Rusu, **L. Leontie**
“The photoluminescence of CdTe thin films from $\text{SnO}_2\text{-CdS}/\text{CdTe-Ni}$ solar cells thermally treated in CdCl_2 solution”
Romanian Conference on Advanced Materials, sept. 11-14th, 2006, Bucharest-Magurele, Romania, Abstract Book, p. 90, Sect. S3A, poster.
53. M. Prelipceanu, **L. Leontie**, R. Danac, O. S. Prelipceanu
“Organic light-emitting devices based on new Pyrrolo[1,2-a][1,10]Phenanthroline derivatives and poly(p-Phenylenevinylene)”

Romanian Conference on Advanced Materials, sept. 11-14th, 2006, Bucharest-Magurele, Romania, Abstract Book, p. 68, Sect. 2, poster.

54. I. Căplănuș, V. Șunel, L. Leontie, Mihaela Rusu, G. I. Rusu
“**On the electronic transport in N-(p-Nitrobenzoyl) asparagic acid derivatives thin films**”
Romanian Conference on Advanced Materials, sept. 11-14th, 2006, Bucharest-Magurele, Romania, Abstract Book, p. 68, Sect. 2, poster.

55. Luminița STROIA, Dana-Ortansa DOROHAI, Mihai APAVALOAI, Liviu LEONTIE, Liviu APOSTOL

“**Effects of the air pollution within the Piatra-Neamt – Savinesti area**”
Simpozionul Internațional de Geografia Mediului „Mediul Actual și Dezvoltarea Durabilă”, Iași, 13-15 octombrie, 2006; secțiunea Poluare și Tehnologii de Mediu, lucrarea nr. 2 (oral).

56. Liviu LEONTIE, Liviu APOSTOL, Irina UNGUREANU
„**Educarea publicului din regiunea de dezvoltare Nord-Est în spiritul protecției și dezvoltării resurselor mediului**”
Simpozionul Internațional de Geografia Mediului „Mediul Actual și Dezvoltarea Durabilă”, Iași, 13-15 octombrie, 2006; secțiunea Biodiversitate și Protecția Mediului, lucrarea nr. 2 (oral).

57. M. Prelipceanu, O. S. Prelipceanu, L. Leontie, R. Danac and S. Schrader
“Field-effect transistor behavior and thin-film morphologies of pyrrolo[1,2-a][1,10]phenanthroline Derivatives”
E-MRS 2007 Spring Meeting, Strasbourg, France, May 28th to June 1st, 2007; SYMPOSIUM B: Semiconductor Nanostructures towards Electronic and Optoelectronic Device Applications; poster B-3/2.

58. L. Leontie, M. Caraman, I. Evtodiev, E. Cuculescu, A. Mija
“Optical properties of bismuth oxide thin films prepared by reactive d.c. magnetron sputtering onto p-GaSe (Cu)”
E-MRS 2007 Spring Meeting, Strasbourg, France, May 28th to June 1st, 2007; SYMPOSIUM I: Advances in Transparent Electronics: From Materials to Devices – II; poster I-3a/7.

59. L. Leontie, I. Druta, B. Furdui, and G. I. Rusu
“Electrical DC Conduction Mechanism in Some Newly Synthesized Mono- and Dipyrindine Quaternary Salts in Thin Films”
E-MRS 2007 Spring Meeting, Strasbourg, France, May 28th to June 1st, 2007; SYMPOSIUM O: Functional organic and inorganic materials for micro and nano bio-sensing systems; poster O-P1/4.

60. Liviu LEONTIE, Ioan DRUȚĂ, AL. ROTARU, Neculai APETROAEI, Valentin NICA, and Gheorghe I. RUSU
“Electronic transport properties of some new monoquaternary salts of 4,4'-bipyridine in thin films”
8th International Balkan Workshop on Applied Physics, July 5 to July 7, 2007, Constanța, Romania; Section 1, Work P26. (*-conf. ISI)

61. L. Leontie, I. Druță, T. Dăniloia, N. Apetroaei, V. Nica, and G. I. Rusu
“Electronic transport properties of some new N-(p-R-phenacyl)-1,7-phenanthroline bromides in thin films”
4-th International Workshop on Functional and Nanostructured Materials, Gdansk, Poland, Sept. 1-6, 2007; Poster Session 1, work P-47; Poster Session 1, Sunday, 2nd Sept., 17:00-19:00.

62. Ig. Evtodiev, L. Leontie, M. Caraman, M. Stamate, E. Aramă
“Optical Properties of p-GaSe Single Crystals Doped with Te”
International Conference on Fundamental and Applied Research in Physics, Farphys-2007, 25-28 October 2007, Iasi, Romania; work P2-1.

63. L. Leontie, L. Palachi, E. Aramă, M. Caraman, V. P. Mușinschi
“Photoluminescence Properties of Ga₂S₃ Thin Films”

International Conference on Fundamental and Applied Research in Physics, Farphys-2007, 25-28 October 2007, Iasi, Romania; work P2-2.

64. Ioana Aurelia Gorodea, M. N. Palamaru, Alexandra Raluca Iordan, **Liviu Leontie**
Synthesis and Characterisation of Nanocrystalline $\text{Ca}_2\text{Cr}_x\text{La}_{1-x}\text{WO}_6$ by combustion method
8th International Conference on Physics of Advanced Materials (ICPAM-8), June 4-7, 2008, Iasi, Romania; work P-I.14.

65. Carmen Dorina Aruxandei, M. N. Palamaru, Alexandra Iordan, G. Nemțoi, **L. Leontie**
Preparation and Properties of LiMn_2O_4 Substituted with Co and Cu
8th International Conference on Physics of Advanced Materials (ICPAM-8), June 4-7, 2008, Iasi, Romania; work P-I.15.

66. Elmira Cuculescu, **Liviu Leontie**, Mihail Caraman, Efim Aramă
ELECTRICAL AND OPTICAL PROPERTIES OF $\text{GaSe-Bi}_2\text{O}_3$ JUNCTION INTERFACE
8th International Conference on Physics of Advanced Materials (ICPAM-8), June 4-7, 2008, Iasi, Romania; work P-II.4.

67. Igor Evtodiev, **Liviu Leontie**, Mihail Caraman
EXCITONIC PROCESSES AT THE $\text{Bi}_2\text{O}_3\text{-InSe}$ JUNCTION INTERFACE
8th International Conference on Physics of Advanced Materials (ICPAM-8), June 4-7, 2008, Iasi, Romania; work P-IV.5.

68. **Liviu Leontie**, Leonid Palachi, Valeriu Mușinschi, Mihail Caraman, Efim Aramă
Study of the Generation-Recombination Mechanism of Nonequilibrium Charge Carriers in the $\text{Bi}_2\text{O}_3\text{-Ga}_2\text{S}_3$ Structures
8th International Conference on Physics of Advanced Materials (ICPAM-8), June 4-7, 2008, Iasi, Romania; work P-IV.6.

69. Diana-Corina Bostan, Adrian Timofte, **Liviu Leontie**
“Temperature-Humidity Index. Recent Meteorological Measurements in the Moldavia Region”
International U.A.B.-B.E.N.A. Workshop “Management and Sustainable Protection of Environment”, Alba Iulia, Romania, May 6-7th, 2009
Section: ENVIRONMENTAL MONITORING & DATA QUALITY, oral.

70. Luminita Bibire, Adrian Ghenade, Adrian Timofte, **Liviu Leontie**, Mihael Buzdugan, Maricel Agop
“Possible Influences of Aerosols on the Schumann Frequency Spectrum”
International U.A.B.-B.E.N.A. Workshop “Management and Sustainable Protection of Environment”, Alba Iulia, Romania, May 6-7th, 2009
Work P126, poster.

71. Ig. Evtodiev, **L. Leontie**, E. Cuculescu, I. Caraman, V. Mușinschi, M. Caraman
“Optical properties of GaSe heterojunctions with nanometric Ga_2O_3 and ZnO films”
NANOROMANIA 2009, June 2-5, 2009, Iași, România; Session 1-Energy, poster.

72. M. Airimioaei, T. Slătineanu, M. N. Palamaru, A. R. Iordan, **L. Leontie**, C. Ciomaga, L. Mitoșeriu, A. V. Sandu
“Study of the influence of the agents of complexing and combustion on properties of NiFe_2O_4 and MnFe_2O_4 ferrites”
IEEE ROMSC 2009 (6th edition), June 6-9, 2009, Iași, România; poster P20.

73. T. Slătineanu, M. Airimioaei, M. N. Palamaru, A. R. Iordan, **L. Leontie**, O. F. Călțun
“Synthesis optimization of ZnFe_2O_4 via combustion method as a function of combustion-complexing agent”
IEEE ROMSC 2009 (6th edition), June 6-9, 2009, Iași, România; poster P21.

74. Adrian Timofte, Diana-Corina Bostan, **Liviu Leontie**
“Măsurări radiometrice în partea de est a Moldovei. Corelații între nebulozitatea totală și durata de strălucire a Soarelui”

- Al IV-lea Simpozion Internațional MEDIUL ACTUAL ȘI DEZVOLTAREA DURABILĂ*, Iași, 16-18 octombrie 2009; secțiunea Mediul Actual, lucrarea nr. 10, oral.
- 75.** M. N. Palamaru, A. R. Iordan, M. Airimioaei, **L. Leontie**, C. Ciomaga, L. Mitoseriu & A.V. Sandu
 “Optimization of Synthesis Conditions for Obtaining $Mn_xNi_{1-x}Fe_2O_4$ Series Ferrites: A Study of Electrical Properties”
4th International Conference on the Environmental Effects of Nanoparticles and Nanomaterials, University of Vienna, 6th- 9th September 2009; Session D, Poster D12.
- 76.** Elmira Cuculescu, Igor Evtodiev, Iuliana Caraman, **Liviu Leontie**, Valentin Nedeff, Dragoș-Ioan Rusu
 „Transport and generation-recombination mechanisms of nonequilibrium charge carriers in ZnO-In₂O₃-InSe: Cd heterojunctions”
E-MRS 2010 Spring Meeting, June 7-11, 2010, Strasbourg, France; Symposium M "Thin film chalcogenide photovoltaic materials", Poster M-P3 5.
- 77.** T. Slătineanu, A. R. Iordan, M. N. Palamaru, O. F. Călușun, **L. Leontie**, N. Apostolescu
 „The Influence of the Combustion Agent on Zinc Ferrite Properties”
7th International Conference of Chemical Societies from South-East European Countries on “Chemistry – Beauty and Application”, Bucharest, 15-17 September 2010; Poster PO – 11 – 099.
- 78.** I. Evtodiev, M. Caraman, V. Mușinschi, G. Lazăr, and **L. Leontie**
 “Optical properties of ϵ -GaSe single crystals in the region of fundamental absorption band”
5th International Conference on Materials Science and Condensed Matter Physics (MSCMP). September 13-17, 2010, Chisinau, Moldova; Abstract Book, p. 140 (Poster-work *CPPP 12 P*).
- 79.** Adrian Timofte, Diana-Corina Bostan, Mirela Raschip, Sorin Bostan, **Liviu Leontie**
 “Meteorologul previzionist și provocările climatice ale începutului de mileniu trei”
Al V-lea Simpozion Internațional MEDIUL ACTUAL ȘI DEZVOLTAREA DURABILĂ, Iași, 15-17 octombrie 2010; secțiunea: Mediul Atmosferic, lucrarea nr. 12, oral.
- 80.** R. Danac, **L. Leontie**, R. Rusu, A. Carlescu
 “Synthesis and electron transport properties of some new 4-tert-butylcalix[4]arene derivatives in thin films”
Twelfth Tetrahedron Symposium, Challenges in Organic and Bioorganic Chemistry, 21–24 June 2011, Sitges, Spain; lucrarea P1.073.
- 81.** R. Danac, R. Rusu, A. Carlescu, A. Pui, **L. Leontie**
 “Synthesis and Properties of Some New Lower Rim Modified 4-tert-Butylcalix[4]arenes”
11th International Conference on Calixarenes, June 26–29 2011, Tarragona, Spain; lucrarea P15, Book of Abstracts, p. 99.
- 82.** Stratulat Ioan Sorin, Anca Ionce, Timofte Adrian, **Liviu Leontie**, Cazacu Marius Mihai
 “Cacica salt-mines. Balneary and climatic potential studies”
Present Environment and Sustainable Development, the VII-th edition of the International Symposium, 1- 3 JUNE 2012, Iasi, Romania; secțiunea 6, lucrarea nr. 28, poster.
- 83.** Iuliana Caraman, Dumitru Untila, **Liviu Leontie**, Igor Evtodiev, Oxana Racovet
 Impurity levels in ϵ -GaSe single crystals doped with Eu
9th International Conference on Physics of Advanced Materials, ICPAM-9, 20–23 September 2012, Iasi, Romania; Topic 8: Nanostructures and Low Dimensional Systems, work O1, Abstract Book p. 93 (poster).
- 84.** Iuliana Caraman, Elmira Vatavu, **Liviu Leontie**, Silvia Evtodiev, Oxana Racovet
 Photoluminescence of Gallium Monosulfide Lamellas Intercalated with Cd
9th International Conference on Physics of Advanced Materials, ICPAM-9, 20–23 September 2012, Iasi, Romania; Topic 8: Nanostructures and Low Dimensional Systems, work P3, Abstract Book p. 97 (poster).

- 85.** Liliana Dmitroglu, Silvia Evtodiev, Efimia Luchian, Iuliana Caraman, Marius Stamate, **Liviu Leontie**
 Impurity levels in ε -GaSe crystals intercalated with Cd from vapor phase
9th International Conference on Physics of Advanced Materials, ICPAM-9, 20–23 September 2012, Iasi, Romania; Topic 8: Nanostructures and Low Dimensional Systems, work P5, Abstract Book p. 98 (poster).
- 86.** **Liviu Leontie**, Nicolae Spalatu, Mihail Caraman, Oxana Racovet
 Optical properties of gallium tellurides (GaTe and Ga₂Te₃) in thin films prepared by vacuum thermal evaporation
9th International Conference on Physics of Advanced Materials, ICPAM-9, 20–23 September 2012, Iasi, Romania; Topic 8: Nanostructures and Low Dimensional Systems, work P6, Abstract Book p. 99 (poster).
- 87.** **Liviu Leontie**, Ramona Danac, Mihaela Girtan, Marius Prelipceanu, Adrian Graur, Aurelian Carlescu, Gheorghe I. Rusu
 Newly synthesized stable disubstituted 4-(4-pyridyl)pyridinium ylides in thin films with semiconductor properties
9th International Conference on Physics of Advanced Materials, ICPAM-9, 20–23 September 2012, Iasi, Romania; Topic 11: Thin Films and Nanostructures for Modern Electronics, work P1, Abstract Book p. 133 (poster).
- 88.** I. Caraman, Ig. Evtodiev, L. Palachi, V. Nedeff, **L. Leontie**, O. Racoveț, D. Untila, E. Vatavu
 Crystalline structure, photoluminescence and optical absorption of β -Ga₂S₃ crystals
 2nd International Conference on Nanotechnologies and Biomedical Engineering (ICNBME-2013), Chișinău, Republic of Moldova, April 18-20, 2013; Sect. S2-N Micro- and Nano-objects, Nanostructured and highly integrated systems, Biophysics, Work 47 (poster).
- 89.** **Liviu Leontie**, Igor Evtodiev, Nicolae Spalatu, Mihail Caraman, Silvia Evtodiev, Oxana Racovet, Mihaela Girtan
 Optical and photoelectric properties of lamellar nanocomposites obtained by Cd intercalation of GaTe
E-MRS 2013 Spring Meeting, May 27–31, Strasbourg, France; Symposium F: Nanomaterials for energy conversion and storage, work F.P.1.3.
- 90.** Iuliana Caraman, Valeriu Kantser, Igor Evtodiev, **Liviu Leontie**, Grigorii Ardjumanian, Marius Stamate, Liliana Dmitroglu, Mihaela Girtan
 Composition and structure of lamellar composites obtained by intercalation of III-VI layered semiconductor materials
E-MRS 2013 Spring Meeting, May 27–31, Strasbourg, France; Symposium J: Semiconductor nanostructures towards electronic and optoelectronic device applications - IV, work J.P.I.1 (poster).
- 91.** **Liviu Leontie**
 Faculty of Physics (UAIC)-excellence in research and education
 Conferința Științifică *Integrare prin Cercetare și Inovare*, 26–28 septembrie 2013, CEP USM, Chișinău, Atelierul Fizică și Inginerie, ședința plenară (oral).
- 92.** D. Untila, V. Canțer, M. Caraman, I. Evtodiev, **L. Leontie**, L. Dmitroglu
 Photoluminescent properties of lamellar nanocomposites obtained by Cd intercalation of GaSe and GaSe:Eu single crystals
E-MRS 2014 Spring Meeting, May 26–30, Congress Center - Lille, France; Symposium E: Defect-induced effects in nanomaterials, Work EP1.15 (Full Program, p. E-5) (poster).
- 93.** I. Caraman, E. Vatavu, **L. Leontie**, M. Stamate
 Crystalline structure and optical properties of GaS-CdS nanocomposite
E-MRS 2014 Spring Meeting, May 26–30, Congress Center - Lille, France; Symposium E: Defect-induced effects in nanomaterials, Work EP1.39 (Full Program, p. E-7) (poster).

Punctaj: 10×93=930

Naționale

2 puncte pentru fiecare activitate

1. G. I. Rusu, V. Șunel, G. G. Rusu, **L. Leontie**
"Noi derivați ai acidului p-aminobenzoic cu proprietăți semiconductoare"
Simpozionul Național de Fizică "Ștefan Procopiu"-100 de ani de la naștere, Iași, 7-8 dec. 1990.
2. **L. Leontie**, C. G. Sandovici, F. Curbăt
"Determinarea conductivității termice a unor metale"
a XX-a Sesiune de Fizică și Chimie "Mijloace de învățământ de concepție proprie", Iași, 18 mai, 1991; Sesiunea de Comunicări a Cercurilor Studențești, 23-24 mai, 1991.
3. G. I. Rusu, V. Șunel, G. G. Rusu, **L. Leontie**
"Contribuții la studiul proprietăților electrice ale unor semiconductoare organice",
lucrare susținută oral la *Al IV-lea Colocviu Național de Fizica și Tehnologia Materialelor Cristaline și Amorfe*, Iași, 12-13 iunie 1992, în volum la pag. 170.
4. G. G. Rusu, **L. Leontie**, G. I. Rusu
"On the Electrical and Optical Properties of Bi₂O₃ Thin Films",
Romanian Conference on Advanced Materials (ROCAM '95), 13-15 nov., 1995, Romanian Academy, Bucharest, Romania, Secț. 1.2: Materiale cu dimensionalitate redusă, rezumatul III. 15.
5. **L. Leontie**, V. Șunel, M. Rusu, N. Asandei, G. I. Rusu
"Celuloze Modificate cu Proprietăți Semiconductoare",
Al V-lea Colocviu Național de Fizica și Tehnologia Materialelor Cristaline și Amorfe, Iași, 13-14 iunie 1996, Secția a II-a, Semiconductoare, rezumatul II. 24, pag. 151.
6. G. G. Rusu, M. Bucescu, **L. Leontie**, G. I. Rusu
"Studiul Proprietăților Electrice ale Straturilor Subțiri de Bi₂O₃"
Al V-lea Colocviu Național de Fizica și Tehnologia Materialelor Cristaline și Amorfe, Iași, 13-14 iunie 1996, Secția a II-a, Semiconductoare, rezumatul II. 82, pag. 231-232.
7. N. Asandei, S. Ciovică, V. Șunel, Mihaela Rusu, **L. Leontie**, G. I. Rusu
"Asupra proprietăților semiconductoare ale unor celuloze modificate"
comunicare în cadrul *Zilelor Academice Ieșene*, Ed. a XIII-a, Iași, 9-12 octombrie, 1977, Program, pag. 15.
8. **L. Leontie**, G. I. Rusu
"On the Electrical Conduction of Bi₂O₃ Thin Films"
Conferința Națională de Fizică, Constanța, 16-18 sept., 1998, lucrarea 128C, poster.
9. **L. Leontie**, M. Delibaș, G. I. Rusu,
"On the Electrical and Optical Properties of Bi₂O₃ Thin Films"
Sesiunea Științifică *Cercetări Fundamentale și Aplicative în Domeniul Fizicii*, în cadrul "Zilelor Universității «Al. I. Cuza»" Iași, 24 oct., 1998 (poster).
10. **L. Leontie**, G. I. Rusu, M. Caraman, G. G. Rusu
"On the Electrical Properties of Bi₂O₃ Polycrystalline Thin Films"
The 3rd Conference on Condensed Matter Physics, Sept., 17-19, 1999, Timișoara, Poster P2-3, Abstract Book, pp. 71.
11. **L. Leontie**, M. Caraman, M. Delibaș, G. I. Rusu
"Optical Properties of Bi₂O₃ Thin Films"
The 3rd Conference on Condensed Matter Physics, Sept., 17-19, 1999, Timișoara, Poster P2-4, Abstract Book, pp. 72.
12. **L. Leontie**, M. Caraman, M. Delibaș, and G. I. Rusu
"Optical Properties of Bi₂O₃ in Thin Films"

comunicare poster la Sesiunea Științifică *Cercetări Fundamentale și Aplicative în Domeniul Fizicii*, în cadrul „Zilelor Universității «Al. I. Cuza»”, Iași, 23 oct., 1999, poster nr. 35.

13. L. Leontie, M. Caraman, G. I. Rusu

"Asupra conductivității electrice a straturilor subțiri de Bi_2O_3 "

comunicare prezentată oral la *Al VI-lea Colocviu Național de Fizică și Tehnologia Materialelor Cristaline și Amorfe (FTMCA-6)*, Iași, 8-9 iunie, 2000, lucrarea II-9.

14. L. Leontie

"Proprietăți optice ale Bi_2O_3 în straturi subțiri"

comunicare prezentată oral la *Al VI-lea Colocviu Național de Fizică și Tehnologia Materialelor Cristaline și Amorfe (FTMCA-6)*, Iași, 8-9 iunie, 2000, lucrarea II-10.

15. L. Leontie, M. Caraman

"Studiul efectului fotovoltaic în straturi subțiri de oxid de bismut"

comunicare prezentată oral la *Al VI-lea Colocviu Național de Fizică și Tehnologia Materialelor Cristaline și Amorfe (FTMCA-6)*, Iași, 8-9 iunie, 2000, lucrarea II-8; „Zilele Universității «Al. I. Cuza»”, Iași, 28 octombrie 2000, poster nr. 45.

16. L. Leontie, M. Caraman, G. I. Rusu

"Photoconductivity Properties of Polycrystalline Bi_2O_3 Thin Films"

National Physics Conference, Constanța, September 21-23, 2000, Section 5, Poster P 30, Abstracts pp. 57; „Zilele Universității «Al. I. Cuza»”, Iași, 28 octombrie 2000, poster nr. 44.

17. L. Leontie, M. Caraman

"On the Photovoltaic Effect in Bismuth Trioxide Thin Films"

National Physics Conference, Constanța, September 21-23, 2000, Section 5, Poster P 31, Abstracts pp. 58.

18. L. Leontie, M. Caraman

"Asupra absorbției în IR a straturilor subțiri de trioxid de bismut"

„Zilele Universității «Al. I. Cuza»”, Iași, 28 octombrie 2000, poster nr. 46.

19. L. Leontie, G. I. Rusu, M. Delibaș, I. Olariu, M. Roman, N. Apetroaie, M. Tașcă, F. Brinză

"Electrical and Optical Properties of Some New Ylids Thin Films"

The 2-nd National Conference *New Research Trends in Material Science, ARM-2*, Constanța, 24 – 26 September 2001, Sect. 4, poster P2, Abstract Book p. 110.

20. I. Druță, I. Căplănuș, L. Leontie, G. I. Rusu

"On the Electrical and Thermoelectrical Properties of Some 4,4'-Dipyridinium Quaternary Salts"

The 2-nd National Conference *New Research Trends in Material Science, ARM-2*, Constanța, 24-26 September 2001, Sect. 4, poster P3, Abstract Book p. 111.

21. G. I. Rusu, G. G. Rusu, L. Leontie, Mihaela Bucescu, Iulia Salaoru

"On the Mechanism of Electrical Conduction in Bi_2O_3 Thin Films"

The 2-nd National Conference *New Research Trends in Material Science, ARM-2*, Constanța, 24 – 26 September 2001, Sect. 6, poster P31.

22. G. I. Rusu, D. Mardare, L. Leontie, F. Brînză

"On the Electrical Characteristic of Some New Organic Semiconductors in Thin Films"

The 2-nd National Conference *New Research Trends in Material Science, ARM-2*, Constanța, 24-26 September 2001, Sect. 6, poster P33.

23. Valentina Chiricenco, M. Caraman, I. I. Rusu, L. Leontie

"Some particularities of the excitonic absorption in GaS and GaS(Cu) single crystals"

Conferința Națională de Fizică, Iași, 18-20 octombrie, 2001, poster FSC-P-30.

24. L. Leontie, G. I. Rusu

"On the electronic transport in polycrystalline bismuth oxide thin films"

Conferința Națională de Fizică, Iași, 18-20 octombrie, 2001, poster FSC - P –31.

25. L. Leontie

"On the photoconductivity of polycrystalline bismuth oxide thin films"

Conferința Națională de Fizică, Iași, 18-20 octombrie, 2001, poster FSC - P –32.

26. I. Druta, I. Caplanus, Rodica Dinica, L. Leontie, G. I. Rusu

"On the electrical characteristics of some 4,4'-dipyridylum quaternary salts"

Conferința Națională de Fizică, Iași, 18-20 octombrie, 2001, poster FSC-P-46.

27. L. Leontie

"Photoconductivity Characteristics of Bismuth Oxide Thin Films"

12th National Conference of the Romanian Physical Society "Trends in Physics", Tg. Mureș, Sept. 26-28, 2002; poster No. 5.2.

28. L. Leontie, M. Caraman, G. I. Rusu

"On the photoluminescence of bismuth oxide in thin films"

„Zilele Universității «Al. I. Cuza»” Iași, 2002, "Cercetări fundamentale și aplicative în domeniul Fizicii", FSC-P-16.

29. L. Leontie

"Optical properties of bismuth oxide thin films prepared by PLD"

Workshop on Fundamental and Applied Research in Physics, "Al. I. Cuza" University, Faculty of Physics, Oct. 2003, Poster P.SS.2, Abstract in Program, p. 57.

30. L. Leontie

"Optical properties of bismuth oxide thin films prepared by reactive magnetron sputtering"

Workshop on Fundamental and Applied Research in Physics, „Al. I. Cuza” University of Iasi, Faculty of Physics, Iasi, 30 Oct. 2004, Poster PSS12, Abs. Book, pp. 66, 67.

31. Leontie L., Rusu G. I., Ghinia R., Amarandei M., Tofoleanu F., Ciobanu C., Tura V.

"Electric conductivity of polyurethanes doped with silver nanoparticles"

"Materiale Avansate Multifunctionale Dopate cu Nanopulberi De Argint", 23-24 Mai 2006, Academia Română, Institutul de Chimie Macromoleculara „P.Poni”; în cadrul Contractului CEEX 26/2005, NACOLAG, Program național MATNANTECH (oral)

32. Timofte A., Bostan D.C., Leontie L.

Detectarea grindinei cu ajutorul radarului Doppler

XXXVI-a Conferință FTEM, 18 - 19 Mai 2007, lucrarea CS-FA-P1 (poster)

33. Tudor G., Leontie L.

Dirjecții de dezvoltare a modelelor de transport difuziv al poluanților atmosferici

XXXVI-a Conferință FTEM, 18 - 19 Mai 2007, lucrarea CS-FA-P2 (poster)

34. Loșonți S., Leontie L.

Identificarea și monitorizarea formațiunilor noroase la Stația meteorologică Iași

XXXVI-a Conferință FTEM, 18 - 19 Mai 2007, lucrarea CS-FA-P3 (poster)

35. State I. E., Leontie L.

Efecte biologice ale electricității atmosferice

XXXVI-a Conferință FTEM, 18 - 19 Mai 2007, lucrarea CS-FA-P4 (poster)

36. Liviu Leontie, Adrian Timofte, Diana Corina Bostan, Sorin Bostan

ITU între confort și disconfort. Valori înregistrate în vara anului 2007 pentru regiunea Moldova

Simpozionul Internațional de Geografia Mediului "Mediul Actual și Dezvoltarea Durabilă", Iași, 19-21 octombrie, 2007, poster.

37. Liviu Leontie, Sanda Aurora Loșonți

Tendențe în evoluția temperaturii aerului la stația meteorologică județeană Iași, în perioada 1980-2007

Simpozionul Internațional de Geografia Mediului "Mediul Actual și Dezvoltarea Durabilă", Iași, 19-21 octombrie, 2007, poster.

38. Daniel Florea, Tanase-Florea Angelica, Liviu Leontie

„Studiu Comparativ între Datele Obținute de la Stațiile Meteorologice Automate și prin Măsurători Clasice”

A XXXVII-a Conferință Națională Fizica și tehnologiile educaționale moderne, FTEM-2008, Universitatea Al. I. Cuza, Facultatea de Fizică, Iași, 16 mai 2008; Poster FA P1.

39. Sanda Loșonți, Liviu Leontie

„Tendințe în evoluția temperaturii aerului în regiunea Iași, în perioada 1980-2006”

Conferința națională Fizica și tehnologiile educaționale moderne, FTEM-2008, Universitatea Al. I. Cuza, Facultatea de Fizică, Iași, 16 mai 2008; Poster FA P2.

40. Liviu Leontie, Adrian Timofte, Diana-Corina Bostan, Sorin Bostan

„Radarul Doppler în meteorologie”

Conferința națională Fizica și tehnologiile educaționale moderne, FTEM-2008, Universitatea Al. I. Cuza, Facultatea de Fizică, Iași, 16 mai 2008; Poster FA P3.

41. Bobîrnat Adriana, Hăulică Mariana, Liviu Leontie

„Influența stresului bioclimatic asupra procesului de evaluare”

Conferința națională Fizica și tehnologiile educaționale moderne, FTEM-2008, Universitatea Al. I. Cuza, Facultatea de Fizică, Iași, 16 mai 2008; Poster DPU P12.

42. Liviu Leontie, Adrian Timofte, Diana-Corina Bostan, Sorin Bostan

Satețiți artificiali. Satețiți meteorologici

Al 3-lea Simpozion Internațional de Geografia Mediului, Mediul Actual și Dezvoltarea Durabilă, Univ. Al. I. Cuza Iași, Fac. Geografie, Iași, 17-19 oct. 2008; Secțiunea 3. Riscuri naturale și antropice. Poluare și tehnologii de mediu; oral.

43. Gabriela Ghercă, Liviu Leontie

„Activități curriculare și extracurriculare de fizica atmosferei (meteorologie) cu particularizare la sondarea la distanță a proprietăților atmosferei”

A XXXVIII-a Conferință Națională Fizica și tehnologiile educaționale moderne, FTEM-2009, Universitatea Al. I. Cuza, Facultatea de Fizică, Iași, 9 mai 2009; Poster DPU-P9.

44. D. Florea, A. Tanase-Florea, Gh. Canache, L. Leontie

„Condițiile sinoptice care au determinat cantități însemnate de precipitații în vara anului 2008 în Moldova, cu referire la județul Iași”

A XXXVIII-a Conferință Națională Fizica și tehnologiile educaționale moderne, FTEM-2009, Universitatea Al. I. Cuza, Facultatea de Fizică, Iași, 9 mai 2009; Poster FPM-P2.

45. M. Magop, O. M. Machidon, L. Leontie

„Potențialul eolian al județului Iași”

A XXXVIII-a Conferință Națională Fizica și tehnologiile educaționale moderne, FTEM-2009, Universitatea Al. I. Cuza, Facultatea de Fizică, Iași, 9 mai 2009; Poster FPM-P3.

46. S. Loșonți, Ana-Maria Mutu, L. Leontie

„Regimul pluviometric al Iașilor în intervalul 1980-2008”

A XXXVIII-a Conferință Națională Fizica și tehnologiile educaționale moderne, FTEM-2009, Universitatea Al. I. Cuza, Facultatea de Fizică, Iași, 9 mai 2009; Poster FPM-P4.

47. A.-M. Mutu, S. Loșonți, L. Leontie

„Radiometria meteorologică. Măsurări radiometrice la stația meteorologică Iași”

A XXXVIII-a Conferință Națională Fizica și tehnologiile educaționale moderne, FTEM-2009, Universitatea Al. I. Cuza, Facultatea de Fizică, Iași, 9 mai 2009; Poster FPM-P5.

48. Tamara Slătineanu, Alexandra Raluca Iordan, Mircea Nicolae Palamaru, L. Leontie, V. Gafton, Ovidiu F. Căltun

“Synthesis of $Zn_{1-x}Ni_xFe_2O_4$ ferrites by autocombustion method”

Zilele Universității „Al. I. Cuza” din Iași, Facultatea de Chimie, 30-31 octombrie 2009; poster P5.

49. Mirela Airimioaei, Mircea Nicolae Palamaru, Alexandra Raluca Iordan, L. Leontie, C. Ciomaga, L. Mitoșeriu, A. V. Sandu

“Studiul influenței agentului de combustie asupra proprietăților feritelor MFe_2O_4 (M= Mn, Ni)”

Zilele Universității „Al. I. Cuza” din Iași, Facultatea de Chimie, 30-31 octombrie 2009; poster P6.

50. Irina Corneanu, Ioan Corneanu, Liviu Leontie

“Poluarea cu pulberi de ciment în arealul oraşului Bicăz, în perioada 1998 – 2008”

A XXXIX-a Conferinţă Naţională Fizica şi tehnologiile educaţionale moderne, FTEM-2010, Universitatea Alexandru Ioan Cuza din Iaşi, Facultatea de Fizică, Iaşi, 15 mai 2010; Poster DPU-P7.

51. Hriscu Cristina, Hogeag Mihaela, Leontie Liviu

„Poluarea aerului pe raza municipiului Iaşi-aspecte recente”

A XXXIX-a Conferinţă Naţională Fizica şi tehnologiile educaţionale moderne, FTEM-2010, Universitatea Alexandru Ioan Cuza din Iaşi, Facultatea de Fizică, Iaşi, 15 mai 2010; Poster CS-FME-P19.

52. Sanda Loşonţi, Mariana Magop, Ana-Maria Mutu, Liviu Leontie

„Experimente de agrometeorologie la staţia meteorologică judeţeană Iaşi”

A XXXIX-a Conferinţă Naţională Fizica şi tehnologiile educaţionale moderne, FTEM-2010, Universitatea Alexandru Ioan Cuza din Iaşi, Facultatea de Fizică, Iaşi, 15 mai 2010; Poster CS-FME-P20.

53. Florea Daniel, Teodor Andreea, Leontie Liviu

„Studiu asupra căderilor de grindină în zona Iaşi, Cotnari şi modalităţi de protecţie împotriva acesteia”

A XXXIX-a Conferinţă Naţională Fizica şi tehnologiile educaţionale moderne, FTEM-2010, Universitatea Alexandru Ioan Cuza din Iaşi, Facultatea de Fizică, Iaşi, 15 mai 2010; Poster CS-FME-P21.

54. Tamara SLĂTINEANU, Alexandra R. IORDAN, Mircea N. PALAMARU, Ovidiu F. CĂLŢUN, Liviu LEONTIE

„Studiul comparativ al pulberilor nanocristaline de ferită de zinc obţinute prin metoda sol-gel”

SJCSSMD, Universitatea Alexandru Ioan Cuza din Iaşi, Facultatea de Chimie, Iaşi, 2 iulie, 2010; lucrarea O-05, oral.

55. Igor Evtodiev, Elmira Cuculescu, Iuliana Caraman, Marius Stamate, Valentin Nedeff, Adrian Dafinei, Liviu Leontie

“Structural transformations and photoluminescence of gallium and indium monochalcogenide-based nanolamellar structures with native oxide”

CNF 2010, Conferinţa Naţională de Fizică, Iaşi, 23-25 septembrie 2010; oral FSC-O1; Program pag. 46.

56. Igor Evtodiev, Liviu Leontie, Leonid Palachi, Mihail Caraman, Valeriu Musinschi
“Optical properties of α -Ga₂S₃/Ga₂O₃ semiconductor nanostructures with native structural defects”

CNF 2010, Conferinţa Naţională de Fizică, Iaşi, 23-25 septembrie 2010; poster FSC-P3; Program pag. 54.

57. Iuliana Caraman, Silvia Evtodiev, Leonid Palachi, Gabriel Lazar, Adrian Dafinei, Liviu Leontie

“Photoluminescence of gallium sulfide nanoparticles with native oxide”

CNF 2010, Conferinţa Naţională de Fizică, Iaşi, 23-25 septembrie 2010; poster FSC-P4; Program pag. 55.

58. Tamara Slatineanu, Alexandra R. Iordan, Mircea N. Palamaru, Ovidiu F. Caltun, Liviu Leontie

“The synthesis, characterization and properties study of zinc ferrite substituted with magnesium”

CNF 2010, Conferinţa Naţională de Fizică, Iaşi, 23-25 septembrie 2010; poster FSC-P12; Program pag. 63.

59. Adrian Timofte, Diana-Corina Bostan, Marius Mihai Cazacu, Sorin Bostan, Liviu Leontie

“A study on the evolution of the direct solar radiation, between 2000-2009, at the synoptic ground stations in Moldavia”

CNF 2010, Conferinţa Naţională de Fizică, Iaşi, 23-25 septembrie 2010; poster FMG-P14; Program pag. 225.

- 60. Daniel Florea, Gheorghe Canache, Liviu Leontie**
 “Romania and the climate challenges of the recent years”
CNF 2010, Conferința Națională de Fizică, Iași, 23-25 septembrie 2010; poster FMG-P15; Program pag. 226.
- 61. Romeo-Iulian Olariu, Costică Mihai, Iuliana Breabăn, Naela Costică, Ioana-Alexandra Rusu, Cecilia Arsene, Ionel Mangalagiu, Dan Condurachi, Liviu Leontie**
 “CERNESIM – Environmental science center – technical description”
 Sesiunea de comunicări științifice organizată în cadrul *Zilelor Universității 2010, Facultatea de Chimie*, 12 – 13 noiembrie 2010, oral.
- 62. Tamara Slătineanu, Alexandra-Raluca Iordan, Mircea-Nicolae Palamaru, Florin-Ovidiu Călțun, Liviu Leontie, Ioan Dumitru**
 “Sinteza, caracterizarea și studiul proprietăților feritei de zinc substituită cu magneziu”
 Sesiunea de comunicări științifice organizată în cadrul *Zilelor Universității 2010, Facultatea de Chimie*, 12 – 13 noiembrie 2010, oral.
- 63. Covașă Nadia Mona, Covașă Dumitru Alin, Leontie Liviu**
 “Evaluarea gradului de poluare a râului Sitna, Botoșani”
A XL-a Conferința Națională Fizica și Tehnologiile Educaționale Moderne, Facultatea de Fizică, Universitatea Alexandru Ioan Cuza din Iași, 12 - 14 Mai 2011 lucrarea CS-P1.
- 64. Tanasă-Florea Angelica, Florea Daniel, Balan-Magop Mariana, Leontie Liviu**
 “Studiul regimului termic al anului 2010 în județul Iași”
A XL-a Conferința Națională Fizica și Tehnologiile Educaționale Moderne, Facultatea de Fizică, Universitatea Alexandru Ioan Cuza din Iași, 12 - 14 Mai 2011 lucrarea CS-P2.
- 65. Magop Mariana, Florea Angelica, Ciofu Valentin, Leontie Liviu**
 “Potențialul eolian al Câmpiei Moldovei”
A XL-a Conferința Națională Fizica și Tehnologiile Educaționale Moderne, Facultatea de Fizică, Universitatea Alexandru Ioan Cuza din Iași, 12 - 14 Mai 2011; lucrarea CS-P3.
- 66. Bologeanu-Gârlagiu Gabriela, Hogeag Mihaela, Hriscu Cristina, Agop Andrei-Bedros, Leontie Liviu**
 “Monitorizarea poluării atmosferice pe raza municipiului Iași în perioada 2008 – 2010”
A XL-a Conferința Națională Fizica și Tehnologiile Educaționale Moderne, Facultatea de Fizică, Universitatea Alexandru Ioan Cuza din Iași, 12 - 14 Mai 2011; lucrarea CS-P24.
- 67. Florea Angelica, Magop Mariana, Florea Daniel, Tiron Gina, Leontie Liviu**
 “Episodul de viscol din intervalul 11–14 februarie 2012, în regiunea Moldovei”
A XLI-a Conferința Națională Fizica și Tehnologiile Educaționale Moderne, Facultatea de Fizică, Universitatea Alexandru Ioan Cuza din Iași, 19 Mai 2012; lucrarea CS-Pxx.
- 68. Mihail Nicolae Danila, Marius Mihai Cazacu, Adrian Timofte, Dan Gheorghe Dimitriu, Liviu Leontie, Silviu Gurlui**
 Preliminary Studies of Tropospheric Aerosols Using Python
A XLII-a Conferință Fizica și Tehnologiile Educaționale Moderne, Facultatea de Fizică, Universitatea Alexandru Ioan Cuza din Iași, 26.10.2013; lucrarea SW-P21.
- 69. Mihail Nicolae Danila, Marius Mihai Cazacu, Adrian Timofte, Dan Gheorghe Dimitriu, Liviu Leontie, Silviu Gurlui**
 Atmospheric Aerosols - Importance and Modern Study Methods
A XLII-a Conferință Fizica și Tehnologiile Educaționale Moderne, Facultatea de Fizică, Universitatea Alexandru Ioan Cuza din Iași, 26.10.2013; lucrarea SW-P22.
- 70. D.-C. Bostan, A. Timofte, L. Leontie**
 ITU între confort și disconfort
Simpozionul Internațional Canfluențe Cantemirene, Onești, Colegiul Național ”Dimitrie Cantemir”, 23–25 octombrie 2013; ISBN: 978-973-0-15564-8.
- 71. A. Timofte, D.-C. Bostan, L. Leontie**
 Utilizarea radarului Doppler în meteorologie

Simpozionul Internațional Canfluențe Cantemirene, Onești, Colegiul Național "Dimitrie Cantemir", 23–25 octombrie 2013; ISBN: 978-973-0-15564-8.

72. Laura Hrostea, Madalina Iftime, Bogdan Albina, Jean Hilaire Tehami, Marius Mihai Cazacu, Georgiana Dascalu, Dan Gheorghe Dimitriu, **Liviu Leontie**, Silviu Gurlui
Studies of troposphere micro-sized particles health relevance
a XLIII-a Conferință Națională FIZICA ȘI TEHNOLOGIILE EDUCAȚIONALE MODERNE
Iași, 16-17 Mai 2014; lucrarea CS-P4.

73. Sabina-Teodoroff Onesim, Laura Hrostea, Marius Mihai Cazacu, Georgiana Dascalu, Adrian Timofte, Dan Gheorghe Dimitriu, **Liviu Leontie**, Silviu Gurlui
Development and characterization of solar cells based on semiconductor ferromagnetic materials
a XLIII-a Conferință Națională FIZICA ȘI TEHNOLOGIILE EDUCAȚIONALE MODERNE
Iași, 16-17 Mai 2014; lucrarea CS-P8.

74. Gina Tiron, Angelica Florea, Petra –Maria Lupu, Carmen Potlog, **Liviu Leontie**
Grindina-efecte asupra culturii de viță-de-vie din podgoria Cotnari
a XLIII-a Conferință Națională FIZICA ȘI TEHNOLOGIILE EDUCAȚIONALE MODERNE
Iași, 16-17 Mai 2014; lucrarea CS-P20.

75. Mariana Magop, Ovidiu-Miron Machidon, Adelina Moldovan, **Liviu Leontie**
Caracterizare agrometeorologică a teritoriului agricol al Moldovei în anul 2012
a XLIII-a Conferință Națională FIZICA ȘI TEHNOLOGIILE EDUCAȚIONALE MODERNE
Iași, 16-17 Mai 2014; lucrarea CS-P21.

Punctaj: $75 \times 2 = 150$

Punctaj total I.19: 1270

PUNCTAJ TOTAL I: $1549,82 + 9,714 + 5847,131 + 25 + 30 + 1270 = 8731,665$

II. ACTIVITATEA DIDACTICĂ (30%)

1. *Tratate și manuale universitare*

30 puncte la 100 pagini / număr de autori

1. Leontie Liviu

"Probleme de Fizică Moleculară (Teoria Cinetico-Moleculară a Gazelor, Elemente de Fizică Statistică)"

Edit. Univ. "Al. I. Cuza" Iași, 1997 (182 pag.).

Punctaj: $30 \times 182 / 100 / 1 = 5,600$

2. Liviu Leontie

"Introducere în fizica atmosferei (partea I)"

Editura "Gh. Asachi", Iași, 2002 (310 pag.).

Punctaj: $30 \times 316 / 100 / 1 = 94,800$

3. Liviu Leontie

"Fizica atmosferei"

Editura "Politehnicum", Iași, 2004 (356 pag.).

Punctaj: $30 \times 356 / 100 / 1 = 106,800$

4. Violeta Georgescu, **Liviu Leontie**, Mardarie Sorohan
„Fizică Moleculară și Termodinamică”
Editura Universității „Alexandru Ioan Cuza”, Iași, 2006 (392 pag.)

Punctaj: $30 \times 392 / 100 / 3 = 39,200$

5. Violeta Georgescu, **Liviu Leontie**
„Termodinamică. Hidrodinamică. Dispersie”
Editura TEHNOPRESS, Iași, 2006 (280 pag.)

Punctaj: $30 \times 280 / 100 / 2 = 42,000$

6. **Liviu Leontie**, Violeta Georgescu
„Termodinamică și Fizică Statistică-Probleme Rezolvate”
Editura TEHNOPRESS, Iași, 2007 (324 pag.)

Punctaj: $30 \times 324 / 100 / 2 = 48,600$

Punctaj II.1: 386

2. Proiecte didactice (înființare/dotare laboratoare licență, master, săli workshop, biblioteci proprii facultăților, departamentelor, laboratoarelor și grupurilor de cercetare)

40 puncte pentru fiecare activitate

Laboratorul de Fizică Moleculară/Fizica Atmosferei/Fizica Mediului

- Dotarea cu PC-uri și aparatură (Leybold Didactic) (martie-aprilie, 2007)
- Stații meteorologice automate (wireless) model Irox ProX2 (2 buc.) (procurate în cadrul proiectului CERNESIM)
- Termohigrometru EXTECH PN: SN-23029-81 (procurat în cadrul proiectului CERNESIM)
- Detector de gaze Dräger X-AM 5000 (procurat în cadrul proiectului CERNESIM)

Punctaj II.2: $4 \times 40 = 160$

3. Materiale suport curs, seminar, lucrări practice și programe analitice detaliate

10 puncte pentru fiecare activitate

Suport de curs pentru:

Advanced Materials Preparation Techniques. Applications (master Materiale Avansate. Nanotehnologii, anul I)

Fizica ambientului atmosferic. Poluarea atmosferică (master Fizica și protecția mediului, anul I).

Termodinamică. Hidrodinamică. Dispersie (master, anul I, Fac. Geografie, Mediul Actual și Dezvoltarea Durabilă).

Lucrări practice pentru:

Termodinamică. Hidrodinamică. Dispersie (master, anul I, Fac. Geografie, Mediul Actual și Dezvoltarea Durabilă).

Programe analitice detaliate pentru:

Fizica atmosferei și meteorologie (Licență, curs opțional, anul III)

Fizica ambientului atmosferic. Poluarea atmosferică (Master, Fizica și Protecția Mediului, anul I; 2005-2009)
Tehnici noi de preparare și caracterizare a straturilor subțiri (Master, Fizica straturilor subțiri, anul II; 2005)
Straturi subțiri în tehnologia dispozitivelor cu corp solid (Master, Fizica straturilor subțiri, anul II; 2006)
Metode Avansate de Preparare și Caracterizare a Straturilor Subțiri. Aplicații (Master, Fizica materialelor avansate. Nanotehnologii, anul II; 2007)
Fizica straturilor subțiri (Master, Fizica materialelor avansate. Nanotehnologii, anul II; 2008, 2009)
Advanced Materials Preparation Techniques. Applications (master Materiale Avansate. Nanotehnologii, anul I, 2012–2014)
Fizică moleculară - Proiectul pentru Invățământul Rural (PIR), anul I (2005).

Punctaj II.3: $12 \times 10 = 120$

4. Organizare de aplicații și practică de specialitate

5 puncte pentru fiecare activitate

-Excursie didactică pe traseul Iași-Bârnova-Iași-Roman-Bacău-Iași, cu vizitarea unor obiective de interes meteorologic și de mediu (stațiile meteorologice de la Bârnova (radar) și aeroportul internațional Bacău, *Laboratorul de Protecția Mediului* din cadrul „MITTAL STEEL ROMAN S.A., CMR, Centrul de Prognoză Bacău). Au participat 35 de studenți din anii al III-lea și al IV-lea (2007).

-Organizarea practicii de specialitate a studenților masteranzi, specializarea Fizica și protecția mediului (anul I), 2011–2013.

Punctaj II.4: $2 \times 5 = 10$

PUNCTAJ TOTAL II: $386 + 160 + 120 + 10 = 676$

PUNCTAJ TOTAL REALIZAT:

$0,70 \times 8731,665 + 0,30 \times 676 = 6314,965$

30 iunie 2014

Conf. Dr. Liviu Leontie