

LISTA COMPLETĂ DE LUCRĂRI

A. Lista celor maximum 10 lucrări relevante

1. A. M. Toader, M. C. Buta, I. Humelnicu, W. Urland, M. Suta, [D.-C. Sergentu \(*autor corespondent\)](#), F. Cimpoesu, „Ab Initio Modeling of the Photoluminescence of $\text{SrCl}_2:\text{Eu}^{2+}$ - Direct Comparison between Density Functional and Wave Function Theory-Based Approaches”, *Inorg. Chem.* **2025**, 64, 5996.
2. D. R. Russo, A. N. Gaiser, A. N. Price, [D.-C. Sergentu \(*prim autor cu contribuții egale\)](#), J. N. Wacker, N. Katzer, A. A. Peterson, J. A. Branson, X. Yu, S. N. Kelly, E. T. Ouellette, J. Arnold, J. R. Long, W. W. Lukens, S. J. Teat, R. J. Abergel, P. L. Arnold, J. Autschbach and S. G. Minasian „Berkelium–carbon bonding in a tetravalent berkelocene”, *Science* **2025**, 387, 974.
3. [D.-C. Sergentu](#), B. Le Guennic and R. Maurice, “The resolution of the weak-exchange limit made rigorous, simple and general in binuclear complexes”, *Phys. Chem Chem. Phys.* **2024**, 26, 6844.
4. [D.-C. Sergentu](#) and J. Autschbach, “X-ray absorption spectra of f-element complexes: Insight from relativistic multiconfigurational wavefunction theory”, *Dalton Trans.* **2022**, 51, 1754.
5. [D.-C. Sergentu](#) and J. Autschbach, “Covalency in actinide(IV) hexachlorides in relation to chlorine K-edge X-ray absorption structure”, *Chem. Sci.* **2022**, 13, 3194.
6. [D.-C. Sergentu](#), F. Gendron, E. D. Walter, S. Park, C. Capan, R. G. Surbella, C. Z. Soderquist, G. B. Hall, S. I. Sinkov, J. Autschbach, and H. Cho, “Equatorial electronic structure in the uranyl ion: $\text{Cs}_2\text{UO}_2\text{Cl}_4$ and $\text{Cs}_2\text{UO}_2\text{Br}_4$ ”, *Inorg. Chem.* **2022**, 61, 3821.
7. [D.-C. Sergentu \(*autor corespondent\)](#), C. Booth and J. Autschbach, “Probing multiconfigurational states by spectroscopy: The cerium XAS L_3 -edge puzzle”, *Chem. Eur. J.* **2021**, 27, 7239.
8. J. M. Sperling, E. J. Warzecha, C. Celis-Barros, [D.-C. Sergentu](#), X. Wang, B. E. Klammer, C. J. Windorff, A. N. Gaiser, F. D. White, D. A. Beery, A. T. Chemey, M. A. Whitefoot, B. N. Long, K. Hanson, P. Kögerler, M. Speldrich, E. Zurek, J. Autschbach and T. E. Albrecht-Schmitt, “Compression of curium pyrrolidinedithiocarbamate enhances covalency”, *Nature* **2020**, 583, 396.
9. [D.-C. Sergentu](#), F. Gendron and J. Autschbach, “Similar ligand-metal bonding for transition metals and actinides? $5f^1 \text{U}(\text{C}_7\text{H}_7)_2^-$ versus $3d^n$ metallocenes”, *Chem. Sci.* **2018**, 9, 6292.
10. Y. Quao, [D.-C. Sergentu \(*prim autor cu contribuții egale\)](#), H. Yin, A. V. Zabula, T. Cheisson, A. Mc Skimming, B. C. Manor, P. J. Carroll, J. A. Anna, J. Autschbach and E. J. Schelter, “Understanding and Controlling the Emission Brightness and Color of Molecular Cerium Luminophores”, *J. Am. Chem. Soc.* **2018**, 140, 4588.
11. [D.-C. Sergentu](#), T. J. Duignan and J. Autschbach, “Ab initio study of covalency in the ground versus core-excited states X-ray absorption spectra of actinide complexes”, *J. Phys. Chem. Lett.* **2018**, 9, 5583.

B. Teza sau tezele de doctorat:

„Geometries, electronic structures and physico-chemical properties of astatine species: An application of relativistic quantum mechanics”, Școala doctorală 3MPL, Universitatea din Nantes, Franța, susținută public în data de 19 octombrie 2016. Link URL: <https://www.theses.fr/2016NANT4024>

C. Articole/studii publicate *in extenso*, în reviste din circuitul internațional:

1. A. M. Toader, M. C. Buta, I. Humelnicu, W. Urland, M. Suta, [D.-C. Sergentu](#) (*autor corespondent), F. Cimpoesu „Ab Initio Modeling of the Photoluminescence of $\text{SrCl}_2\text{:Eu}^{2+}$ - Direct Comparison between Density Functional and Wave Function Theory-Based Approaches”, *Inorg. Chem.* 2025, 64, 5996. **IF=4.3**
2. D. R. Russo, A. N. Gaiser, A. N. Price, [D.-C. Sergentu](#) (*prim autor cu contribuții egale), J. N. Wacker, N. Katzer, A. A. Peterson, J. A. Branson, X. Yu, S. N. Kelly, E. T. Ouellette, J. Arnold, J. R. Long, W. W. Lukens, S. J. Teat, R. J. Abergel, P. L. Arnold, J. Autschbach and S. G. Minasian, „Berkelium–carbon bonding in a tetravalent berkelocene”, *Science* 2025, 387, 974. **IF=44.7**
3. J. A. Bronson, P. W. Smith, [D.-C. Sergentu](#), D. R. Russo, Himanshu Gupta, Corwin H. Booth, J. Arnold, E. J. Schelter, J. Autschbach and S. G. Minasian, “The counterintuitive relationship between orbital energy, orbital overlap, and bond covalency in CeF_6^{2-} and CeCl_6^{2-} ”, *J. Am. Chem. Soc.* 2024, 146, 25640. **IF=14.4**
4. [D.-C. Sergentu](#), B. Le Guennic and R. Maurice, “The resolution of the weak-exchange limit made rigorous, simple and general in binuclear complexes”, *Phys. Chem Chem. Phys.*, 2024, 26, 6844. **IF=2.9**
5. G. Li Manni, I. F. Galván, ..., [D.-C. Sergentu](#), ..., and R. Lindh, “The OpenMolcas Web: A Community-Driven Approach to Advancing Computational Chemistry”, *J. Chem. Theory Comput.*, 2023, 19, 6933. **IF=5.7**
6. A. Ramanathan, J. Kaplan, [D.-C. Sergentu](#), J. A. Branson, M. Ozerov, A. I. Kolesnikov, S. G. Minasian, J. Autschbach, J. W. Freeland, Z. Jiang, M. Mourigal and H. S. La Pierre, “Chemical design of electronic and magnetic energy scales in tetravalent praseodymium”, *Nature Commun.*, 2023, 14, 3134. **IF=14.7**
7. Q. Meng, L. Abella, Y.-R. Yao, [D.-C. Sergentu](#), W. Yang, X. Liu, J. Zhuang, L. Echegoyen, J. Autschbach and N. Chen “A charged diatomic triple-bonded $\text{U}\equiv\text{N}$ species trapped in C82 fullerene cages”, *Nature Commun.*, 2022, 13, 7192. **IF=14.7**
8. [D.-C. Sergentu](#) and J. Autschbach, “Covalency in actinide(IV) hexachlorides in relation to chlorine K-edge X-ray absorption structure”, *Chem. Sci.* 2022, 13, 3194. **IF=7.6**
9. [D.-C. Sergentu](#) and J. Autschbach, “X-ray absorption spectra of f-element complexes: Insight from relativistic multiconfigurational wavefunction theory”, *Dalton Trans.*, 2022, 51, 1754. **IF=3.5**
10. [D.-C. Sergentu](#), F. Gendron, E. D. Walter, S. Park, C. Capan, R. G. Surbella, C. Z. Soderquist, G. B. Hall, S. I. Sinkov, J. Autschbach, and H. Cho, “Equatorial electronic structure in the uranyl ion: $\text{Cs}_2\text{UO}_2\text{Cl}_4$ and $\text{Cs}_2\text{UO}_2\text{Br}_4$ ”, *Inorg. Chem.* 2022, 61, 3821. **IF=4.3**
11. X. Yu, [D.-C. Sergentu](#), R. Feng, and J. Autschbach, “Covalency of trivalent actinide ions with different donor ligands: Do density functional and multiconfigurational wavefunction calculations corroborate the observed “breaks”?”, *Inorg. Chem.*, 2021, 60, 17744. **IF=4.3**
12. [D.-C. Sergentu](#) (*autor corespondent), C. Booth and J. Autschbach, “Probing multiconfigurational states by spectroscopy: The cerium XAS L3-edge puzzle”, *Chem. Eur. J.*, 2021, 27, 7239. **IF=3.9**
13. Y. Qiao, G. Ganguly, C. H. Booth, J. A. Branson, A. S. Ditter, D. J. Lussier, L. M. Moreau, D. R. Russo, [D.-C. Sergentu](#), D. K. Shuh, T. Sun, J. Autschbach and S. G. Minasian “Enhanced 5f- δ bonding in $[\text{U}(\text{C}_7\text{H}_7)_2]^-$: C K-edge XAS, magnetism, and ab initio calculations”, *Chem. Commun.*, 2021, 57, 9562. **IF=4.3**
14. G. B. Panetti, [D.-C. Sergentu](#), M. R. Gau, J. Autschbach, P. J. Walsh, and E. J. Schelter, “Isolation and characterization of a covalent Ce^{IV} -aryl complex with an anomalous ^{13}C chemical shift”, *Nat. Commun.* 2021, 12, 1713. **IF=14.7**
15. [D.-C. Sergentu](#), G. Kent, S. Staun, X. Yu, H. Cho, J. Autschbach and T. Hayton, “Probing the electronic structure of a thorium nitride complex by solid-state ^{15}N NMR spectroscopy”, *Inorg. Chem.* 2020, 59, 10138. **IF=4.3**

16. C. G. Pech, Pi A. B. Haase, [D.-C. Sergentu](#), A. Borschevsky, J. Pilmé, N. Galland and R. Maurice, "Quantum chemical topology at the spin-orbit configuration interaction level: Application to astatine compounds", *J. Comput. Chem.* 2020, 41, 2055. **IF=3.4**
17. J. M. Sperling, E. J. Warzecha, C. Celis-Barros, [D.-C. Sergentu](#), X. Wang, B. E. Klamm, C. J. Windorff, A. N. Gaiser, F. D. White, D. A. Beery, A. T. Chemey, M. A. Whitefoot, B. N. Long, K. Hanson, P. Kögerler, M. Speldrich, E. Zurek, J. Autschbach and T. E. Albrecht-Schmitt, "Compression of curium pyrrolidinedithiocarbamate enhances covalency", *Nature* 2020, 583, 396. **IF=50.5**
18. F. Aquilante, J. Autschbach, A. Baiardi, S. Battaglia, V. Borin, L. Chibotaru, I. Conti, L. De Vico, M. Delcey, I. Fdez. Galván, N. Ferré, L. Freitag, M. Garavelli, X. Gong, S. Knecht, E. Larsson, R. Lindh, M. Lundberg, P.-A. Malmqvist, A. Nenov, J. Norell, M. Odelius, M. Olivucci, T. Pedersen, L. Pedraza-González, Q. Phung, K. Pierloot, M. Reiher, I. Schapiro, J. Segarra-Martí, F. Segatta, L. Seijo, S. Sen, [D.-C. Sergentu](#), C. Stein, L. Ungur, M. Vacher, A. Valentini and V. Veryazov, "Modern quantum chemistry with [Open]Molcas", *J. Chem. Phys.* 2020, 152, 214117. **IF=3.1**
19. J. Sears, [D.-C. Sergentu](#), T. Baker, W. Brennessel, J. Autschbach and M. Neidig, "The exceptional diversity of homoleptic uranium-methyl complexes", *Angew. Chem. Int. Ed.*, 2020, 59, 13586. **IF=16.1**
20. G. Ganguly, * [D.-C. Sergentu](#),* and J. Autschbach, "Ab initio analysis of metal-ligand bonding in $An(COT)_2$ with $An = Th, U$ in their ground and core-excited states", *Chem. Eur. J.*, 2020, 26, 1776. (*contribuție egală). **IF=3.9**
21. J. Zhuang,* L. Abella,* [D.-C. Sergentu](#),* Y.-R. Yao, M. Jin, W. Yang, X. Zhang, X. Li, D. Zhang, Y. Zhao, Xi. Li, S. Wang, L. Echegoyen, J. Autschbach and N. Chen, "Diuranium(IV) carbide cluster U_2C_2 stabilized inside fullerene cages", *J. Am. Chem. Soc.* 2019, 141, 20249. (*contribuție egală). **IF=14.4**
22. M. K. Assefa, [D.-C. Sergentu](#), L. A. Seaman, G. Wu, J. Autschbach and T. W. Hayton, "Synthesis, characterization, and electrochemistry of the homoleptic f element ketimide complexes $[Li]_2[M(N=C^tBuPh)_6]$ ($M = Ce, Th$)", *Inorg. Chem.* 2019, 58, 12654. **IF=4.3**
23. S. Staun, [D.-C. Sergentu](#), G. Wu, J. Autschbach and T. W. Hayton, "Use of ^{15}N NMR spectroscopy to probe covalency in a thorium nitride", *Chem. Sci.* 2019, 10, 6431. **IF=7.6**
24. N. J. Wolford, [D.-C. Sergentu](#), W. Brennessel, J. Autschbach and M. Neidig, "Homoleptic aryl complexes of uranium(IV)", *Angew. Chem. Int. Ed.* 2019, 58, 10266. **IF=16.1**
25. Y. Heit,* [D.-C. Sergentu](#)* and J. Autschbach, "Magnetic circular dichroism spectra of transition metal complexes calculated from restricted active space wavefunctions", *Phys. Chem. Chem. Phys.* 2019, 21, 5586. (*contribuție egală). **IF=2.9**
26. [D.-C. Sergentu](#), T. J. Duignan and J. Autschbach, "Ab initio study of covalency in the ground versus core-excited states X-ray absorption spectra of actinide complexes", *J. Phys. Chem. Lett.* 2018, 9, 5583. **IF=4.8**
27. X. Zhang, W. Li, L. Feng, X. Chen, A. Hansen, S. Grimme, S. Fortier, [D.-C. Sergentu](#), T. J. Duignan, J. Autschbach, S. Wang, Y. Wang, G. Velkos, A. A. Popov, N. Aghdassi, S. Duhm, X. Li, J. Li, L. Echegoyen, W. H. E. Schwarz and N. Chen, "A diuranium carbide cluster stabilized inside a C_{80} fullerene cage", *Nat. Commun.* 2018, 9, 2753. **IF=14.7**
28. [D.-C. Sergentu](#), F. Gendron and J. Autschbach, "Similar ligand-metal bonding for transition metals and actinides? $5f^1 U(C_7H_7)_2^-$ versus $3d^n$ metallocenes", *Chem. Sci.* 2018, 9, 6292. **IF=7.6**
29. Y. Quao,* [D.-C. Sergentu](#),* H. Yin, A. V. Zabula, T. Cheisson, A. Mc Skimming, B. C. Manor, P. J. Carroll, J. A. Anna, J. Autschbach and E. J. Schelter, "Understanding and Controlling the Emission Brightness and Color of Molecular Cerium Luminophores", *J. Am. Chem. Soc.* 2018, 140, 4588. (*contribuție egală). **IF=14.4**

30. M. Amaouch, [D.-C. Sergentu](#), D. Steinmetz, R. Maurice, N. Galland, R. Maurice and J. Pilmé, "The bonding picture in hypervalent XF_3 (X = Cl, Br, I, At) fluorides revisited with quantum chemical topology", *J. Comput. Chem.* 2017, 38, 2753. **IF=3.4**
31. D. Teze, [D.-C. Sergentu](#), V. Kalichuk, J. Barbet, D. Deniaud, N. Galland, R. Maurice and G. Montavon, "Targeted radionuclide therapy with astatine-211: Oxidative dehalogenation of astatobenzoate conjugates", *Sci. Rep.* 2017, 7, 2579. **IF=3.8**
32. N. Guo, [D.-C. Sergentu](#), D. Teze, R. Maurice, J. Champion, N. Galland and G. Montavon, "The heaviest possible ternary trihalogen species, AtIBr- , evidenced in aqueous solution: An experimental effort driven by computations", *Angew. Chem. Int. Ed.*, 2016, 55, 15369. **IF=16.1**
33. [D.-C. Sergentu](#), F. Réal, G. Montavon, N. Galland and R. Maurice, "Unravelling the hydration-induced ground-state change of AtO^+ by relativistic and multiconfigurational wave-function-based methods", *Phys. Chem. Chem. Phys.* 2016, 18, 32703. **IF=2.9**
34. [D.-C. Sergentu](#), G. David, G. Montavon, R. Maurice and N. Galland, "Scrutinizing "invisible" astatine: A challenge for modern density functionals", *J. Comput. Chem.* 2016, 37, 1345. **IF=3.4**
35. [D.-C. Sergentu](#), D. Teze, A. Sabatié-Gogova, C. Alliot, N. Guo, F. Basal, I. Da Silva, D. Deniaud, R. Maurice, J. Champion, N. Galland and G. Montavon, "Advances on the determination of the astatine Pourbaix diagram: Predominance of $[\text{AtO}(\text{OH})_2]^-$ over At^- in basic conditions", *Chem. Eur. J.* 2016, 22, 2964. **IF=3.9**
36. [D.-C. Sergentu](#), M. Amaouch, J. Pilmé, N. Galland and R. Maurice, "Electronic structures and geometries of the XF_3 (X = Cl, Br, I, At) fluorides", *J. Chem. Phys.* 2015, 143, 114306. **IF=3.1**
37. [D.-C. Sergentu](#), R. Maurice, R. W. A. Havenith, R. Broer and D. Roca-Sanjuán, "Computational determination of the dominant triplet population mechanism in photoexcited benzophenone", *Phys. Chem. Chem. Phys.* 2014, 16, 25393. **IF=2.9**

D. Alte lucrări și contribuții științifice

1. P. Smith, D.-C. Sergentu, J. Branson, A. Peterson, D. Russo, C. Booth, J. Autschbach, S. Minasian „X-ray Spectroscopy of CeBr_6^{2-} and Comparisons to the Corresponding Chloride and Fluoride Complexes”, ChemRxiv preprint: [10.26434/chemrxiv-2025-3rn19](https://doi.org/10.26434/chemrxiv-2025-3rn19).

E. Participări la manifestări științifice (conferințe, seminarii, workshopuri)

1. (oral, prelegere) [D.-C. Sergentu](#) „RECENTly-AIRed Rare Bonds: The Road to Berkelocene Science”, PERFECT RECENT AIR Series, Sala Senatului, Universitatea „Alexandru Ioan Cuza” din Iași, Iași, Romania, 13 Martie 2025.
2. (oral) [D.-C. Sergentu](#) „Electronic structure and metal-ligand bonding in tetravalent cerium complexes: Computational chemistry experiments”, Recent Advances in Natural Sciences Yield the Future for the European Citizens and Society, Universitatea „Alexandru Ioan Cuza” din Iași, Iași, Romania, 12-13 December 2024.
3. (oral) [D.-C. Sergentu](#), I. Humelnicu și J. Autschbach „Insights Into Electronic Structure and Metal-Ligand Bonding in f-Element Systems Through Computational X-ray Absorption Spectroscopy”, PolyChar World Forum on Advanced Materials (POLY CHAR'30), Petru Poni Institute for Macromolecular Chemistry, Iași, Romania, 11-13 September 2024.
4. (oral) [D.-C. Sergentu](#), I. Humelnicu și J. Autschbach “Tetravalent cerium coordination: Understanding the L_3 -edge X-ray absorption structure in organocerium complexes”, CoFRO: Coordination Chemistry between France and Romania, Rennes, France, 14-16 May 2024.
5. (oral) [D.-C. Sergentu](#), B. Le Guennic, R. Maurice “Simple resolution of the standard multispin Hamiltonian in the weak exchange regime”, Journées de l'Association française de Magnétisme Moléculaire (JAM2-2023), Mittelwihr, France, 13-16 November 2023.

6. (oral) [D.-C. Sergentu](#), B. Le Guennic, R. Maurice “Simple resolution of the standard multispin Hamiltonian in binuclear complexes”, International Conference of Physical Chemistry (ROM-PHYSCHEM 17), Bucharest, Romania, 25-27 September 2023.
7. (oral) [D.-C. Sergentu](#), B. Le Guennic and R. Maurice “The resolution of the weak-exchange limit made rigorous, simple and general in binuclear complexes: A theoretical feat”, 17th International Congress of Quantum Chemistry (ICQC2023), Bratislava, Slovakia, June 26-July 1 2023.
8. (poster) [D.-C. Sergentu](#) “NewMag: New tools for the rational design of single molecule Magnets by model and effective Hamiltonian approaches”, European Responsible Research and Innovation Event 2023 (ERRIE 2023), Brest, France, 10-11 May 2023.
9. (poster) [D.-C. Sergentu](#) and J. Autschbach, “X-ray absorption spectroscopy: Chemical bonding in actinide complexes from ab initio multireference wavefunction approaches”, 2nd European Symposium on Chemical Bonding, Oviedo, Spain, 3–7 September, 2018.
10. (poster) [D.-C. Sergentu](#), F. Réal, N. Galland and R. Maurice, “The peculiar electronic structure of AtO^+ in water”, 7th International Meeting on Atomic and Molecular Physics and Chemistry, Le Havre, France, 27–30 June, 2016.
11. (poster) [D.-C. Sergentu](#), N. Galland and R. Maurice, “Ground-state reversal induced by solvation: Electronic structure of AtO^+ in water”, TALISMAN ThUL School in Actinide Chemistry, Karlsruhe, Germany, 28 September-2 October, 2015.
12. (oral) [D.-C. Sergentu](#), N. Galland and R. Maurice, “Electronic structures of the XF_3 ($\text{X} = \text{Cl}, \text{Br}, \text{I}, \text{At}$) fluorides and topology of their potential energy surfaces”, 2nd European Symposium on Density Functional Theory and its Applications, Debrecen, Hungary, 31 August-4 September, 2015.
13. (poster) [D.-C. Sergentu](#), J. Champion, A. Sabatié-Gogova, J.-Y. Le Questel, R. Maurice, G. Montavon and N. Galland, “Investigation of the $\text{AtO}(\text{OH})^-$ hydrolysed species: Relativistic calculations”, SOSTRUP Summer School : Quantum Chemistry and Molecular Properties, Himmelfjergens Natur-og Idrætsefterskole, Denmark, 6–18 July, 2014.
14. (oral) [D.-C. Sergentu](#), D. Roca-Sanjuán, R. W. A. Havenith and R. Braam-Broer, “Revisiting the intersystem crossing in benzophenone”, 9th European Conference on Computational Chemistry, Sopron, Hungary, 2–6 September, 2013.
15. (seminar) [D.-C. Sergentu](#), “NewMag: New tools for the rational design of SMMs by combined model and effective Hamiltonian approaches”, December 15, 2023. Oral communication in front of the CTI research group at the Institute des Sciences Chimiques de Rennes – ISCR UMR-6226, Univ Rennes.
16. (seminar) [D.-C. Sergentu](#), “ $^{225}\text{Actinium}$ (coordination) chemistry”, September 25, 2019. Oral communication in front of the research groups of Prof. Eva Zurek and Prof. Jochen Autschbach, University at Buffalo, Buffalo NY.
17. (seminar) [D.-C. Sergentu](#), “Actinide chemical bonding from ab initio X-ray absorption spectroscopy (XAS)”, November 20, 2018. Oral communication in front of the research groups of Prof. Eva Zurek and Prof. Jochen Autschbach, University at Buffalo, Buffalo NY.
18. (oral) [D.-C. Sergentu](#), J. Champion, A. Sabatié-Gogova, J.-Y. Le Questel, R. Maurice, G. Montavon and N. Galland, “Investigating $\text{AtO}^+-(\text{OH})_n$ complexes at the molecular scale using quantum mechanical methods”, Scientific days of The 3MPL doctorate school, Le Mans, France, June 2015. Oral communication in front of PhD students of the 3MPL doctorate school from Nantes, Le Mans and Anger, France.
19. (oral) [D.-C. Sergentu](#), J. Champion, A. Sabatié-Gogova, J.-Y. Le Questel, R. Maurice, G. Montavon and N. Galland, “Theoretical investigation of the AtO^+ hydrolysed species in ligand-exchange reactions including solvation effects”, Scientific Days of The 3MPL Doctorate School, Nantes, France, June 2014. Poster presentation in front of PhD students of the 3MPL doctorate school from Nantes, Le Mans and Anger, France.

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20. (seminar) [D.-C. Sergentu](#), R. Maurice and N. Galand, "Pseudo Jahn-Teller effect, spin-orbit coupling and electron correlation in the XF_3 (X = Cl, Br, I, At) series", University of Groningen, The Netherlands, April 2014. Seminar given in front of the research group of Prof. Ria Braam-Broer.
21. (seminar) [D.-C. Sergentu](#), R. Maurice, R. W. A. Havenith, R. Broer and D. Roca-Sanjuán, "Revisiting the intersystem crossing in benzophenone", IFW Dresden, Germany, March 2013. Invited seminar given in front of scientists from the Leibniz Institute for solid state and material research, Dresden, Germany.

Data

Asist. univ. dr. Dumitru-Claudiu Sergentu