



Curriculum vitae

Dr. Sergiu SHOVA

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Education

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| 1980-1983 | PhD (Chemistry), The Institute for Applied Physics of Moldova Academy of Sciences, str. Academiei 3, Chișinău MD-2028, R. Moldova, supervisor Prof. Yu. Simonov |
| 2003-2005 | Postdoctoral training (Synthesis, crystal structure and physical properties of iron(II) spin crossover compounds), Laboratoire de Chimie de Coordination du CNRS, UPR 8241, 205 route de Narbonne, 31077 Toulouse Cedex, France, (Prof. Jean-Pierre Tuchagues) |

Academic work experience

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| 1984-present | Associate Professor (Inorganic chemistry, crystallography and structural analysis with X-rays), State University of Moldova, str. A Mateevici Nr. 60, MD-2004 Chișinău, R. Moldova |
| 1996-2010 | Coordinating Science Researcher (Management of X-ray analysis laboratory), The Institute for Applied Physics of Moldova Academy of Science, str. Academiei 3, Chișinău MD-2028, R. Moldova |
| 2006-2010 | Head of testing Laboratory, (The Management and accreditation procedure of testing laboratory), Moldavian-Germany Company „Bio-Company-Raps”, str. Jukowski 79, or. Lipcani, R. Moldova |
| 2009–2015 | Coordinating Science Researcher, (The Management of the Laboratory for analysis of toxic substances), The Zoology Institute of Moldova Academy of Science, The Laboratory for Hydrobiology and Ecotoxicology, str. Academiei 3, Chișinău MD-2028, R. Moldova |
| 2010- present | Senior Researcher II (X-ray Laboratory Management), “Petru Poni” Institute of Macromolecular Chemistry, alley Grigore Ghica Voda, no. 41-A, postcode 700487, Iasi, Romania |

Research interests - *coordination chemistry*: synthesis, physical methods, X-ray crystallography.

Skills Inorganic and coordination Chemistry, X-ray analysis, Crystallography, Crystallochemistry.

Contributions, Mentorship and Communications: • over 470 scientific papers and 10 patents; • implemented 5 national and 2 international (INTAS and Horizon 2020) projects; • Trained and mentored students with different research backgrounds; • h-index: 33 (Web of Science); • citations: over 6000 citations (Web of Science, over 5000 without self-citation).

Most relevant research articles in the last five years (49 Q1, 41 Q2)

2023

1. A Manganese (II) 3D Metal–Organic Framework with Siloxane-Spaced Dicarboxylic Ligand: Synthesis, Structure, and Properties, **A.C. Stoica, M. Damoc, S. Shova, G. Novitchi, M. Dascalu, M. Cazacu**, *Inorganics*, Volumul 11, 1, 21, <https://doi.org/10.3390/inorganics11010021> (2023), (FI₂₀₂₂ = 3.149) (Q1)
2. Micellization Turned on Dual Fluorescence and Room Temperature Phosphorescence by Pseudo-ESIPT in Thiazazole Derivatives, **M. Damoc, R. I. Tigoianu, A.C. Stoica, A.M. Macsim, M. Dascalu, S. Shova, M. Cazacu.**, *Journal of Physical Chemistry C*. 127(1), 99–109, <https://doi.org/10.1021/acs.jpcc.2c07651>, (2023), (FI₂₀₂₂ = 3.7) (Q1).
3. Crystal structures of 5-bromo-1-arylpyrazoles and their halogen bonding features, M. M. Popa, **S. Shova, M. Dascalu, M. R. Caira, F. Dumitrascu**, <https://doi.org/10.1039/D2CE01355J>, *CrystEngComm*, 25, 86-94, (2023), (FI₂₀₂₂ = 3.756) (Q1)

4. 1,3-Dipolar cycloaddition of cycloimmonium salts and 4-(trimethylsilyl)-3-butyn-2-one to access new functionalized indolizines with potential cytostatic activity, A. Zubas, A. Ghinet, **S. Shova**, E. Bicu, *New Journal of Chemistry*, <https://doi.org/10.1039/D2NJ05257A> (2023), (FI₂₀₂₂ = 3.925) (Q1)
5. Synthesis and Antimicrobial Activity Evaluation of Homodrimane Sesquiterpenoids with a Benzimidazole Unit/terpenoids with a Benzimidazole Unit, L. Lungu, S. Blaja, C. Cucicova, A. Ciocarlan, A. Barba, V. Kulcički, **S. Shova**, N. Vornicu, E.-I. Geana, I.I. Mangalagiu, A. Aricu, *Molecules* 28(3), 933, <https://doi.org/10.3390/molecules28030933>, (2023) (FI₂₀₂₂ = 4.927) (Q2)
6. How Metal Nuclearity Impacts Electrocatalytic H₂ Production in Thiocarbohydrazone-Based Complexes, M. Papadakis, A. Barrozo, L. Delmotte, T. Straistari, **S. Shova**, M. Reglier, V. Krewald, S. Bertaina, R. Hardre, M. Orio, *Inorganics* 11(4), 149, <https://doi.org/10.3390/inorganics11040149>, (2023), (FI₂₀₂₂ = 3.149) (Q1)
7. A Chain of Vertex-Sharing {Co^{III}2Co^{II}}_n Squares with Single-Ion Magnet Behavior, M. G. Alexandru; D. Visinescu; **S. Shova**; J. Cano; N. Moliner; F. Lloret; M. Julve, *Magnetochemistry* 9(5), 130; <https://doi.org/10.3390/magnetochemistry9050130>, (2023), (FI₂₀₂₂ = 2.7) (Q2)
8. The role of halogen bonding in the interaction landscape directing the crystal packing in a homologous series of halogenated coumarin derivatives, M.M. Popa, D.G. Dumitrescu, **S. Shova**, I. Man, A. Van der Lee, F. Dumitrascu, *Journal of Molecular Structure* 1292, 136112, <https://doi.org/10.1016/j.molstruc.2023.136112> (2023), (FI₂₀₂₂ = 3.8) (Q2)
9. Novel antimicrobial iodo-dihydro-pyrrole-2-one compounds, C.M. Al-Matarnah, A. Nicolescu, A; I.C. Marinas, M.C. Chifiriuc, **S. Shova**, M. Silion, M. Pinteala, *Future Medicinal Chemistry*, 15(15), <https://doi.org/10.4155/fmc-2023-0121>, (2023), (FI₂₀₂₂ = 4.2) (Q1)
10. New betulin imine derivatives with antioxidant and selective antitumor activity, M.M. Iftime, G.L., Ailiesei, **S. Shova**, C. Miron, H. Tanaka, M. Hori, L. Marin, *New Journal of Chemistry* 47(35), 16551-16563, <https://doi.org/10.1039/D3NJ02738D>, (2023), (FI₂₀₂₂ = 3.3) (Q2)
11. Structural diversity in proline-based lead bromide chiral perovskites, V.Y. Sirenko, O.I., Kucheriv, I.O., Fritsky, E. Gumienna-Kontecka, I.A. Dascalu, **S. Shova**, I.A. Gural'skiy, *Dalton Transactions* 52(30), 10545-10556, <https://doi.org/10.1039/D3DT02056H>, (2023), (FI₂₀₂₂ = 4.0) (Q1)
12. Large ordered moment with strong easy-plane anisotropy and vortex-domain pattern in the kagome ferromagnet Fe₃Sn, L. Prodan, D.M. Evans, S.M. Griffin, A. Ostlin, M. Althaler, E. Lysne, I.G. Philippova, **S. Shova**, L. Chioncel, V. Tsurkan, I. Kezsmarki, *Applied Physics Letters* 123 (2), 021901, <https://doi.org/10.1063/5.0155295>, (2023), (FI₂₀₂₂ = 3.971) (Q1)
13. Synthesis, Characterization and Cytotoxic Evaluation of New Pyrrolo[1,2-b]pyridazines Obtained via Mesoionic Oxazolo-Pyridazinones, B.C. Ivan, S.F. Barbuceanu, C.M. Hotnog, O.T. Olaru, A.I. Anghel, R.V. Ancuceanu, M.A. Mihaila, L.I. Brasoveanu, **S. Shova**, C. Draghici, G.M. Nitulescu, F. Dumitrascu, *International Journal of Molecular Sciences* 24(14), 11642, <https://doi.org/10.3390/ijms241411642>, (2023), (FI₂₀₂₂ = 5.6) (Q1)
14. Synthesis, characterization and antiproliferative activity of platinum (II) complexes with 3-(2-pyridyl)-N1, 2-methyl-1, 2, 4-triazoles, Y. M. Ohorodnik, D.M. Khomenko, R.O. Doroshchuk, I. V. Raspertova, **S. Shova**, M. V Babak, M. NM. Milunovic, R.D. Lampeka, *Inorganica Chimica Acta*, 556, 121646, <https://doi.org/10.1016/j.ica.2023.121646>, (2023), (FI₂₀₂₂ = 3.118) (Q2).
15. Synthesis, characterization and magnetochemical study of cobalt, nickel and manganese coordination polymers, O. Cuzan, **S. Shova**, G. Novitchi, V. Lozan, *Inorganica Chimica Acta* 553, 121526, <https://doi.org/10.1016/j.ica.2023.121526>, (2023), (FI₂₀₂₂ = 2.8) (Q2).
16. Quantum dots assembled from an aziridinium based hybrid perovskite displaying tunable luminescence, O. A. Semenikhin, O. I. Kucheriv, L. Sacarescu, **S. Shova**, I. A. Gural'skiy, *Chemical Communications* 59(24), 3566-3569, <https://doi.org/10.1039/D2CC06791A>, (2023), (FI₂₀₂₂ = 4.9) (Q1).
17. Novel Strigolactone Mimics That Modulate Photosynthesis and Biomass Accumulation in *Chlorella sorokiniana*, D. G. Popa, F. Georgescu, F. Dumitrascu, **S. Shova**, D. Constantinescu-Aruxandei, C. Draghici, L. Vladulescu, F. Oancea, *Molecules* 28 (20), <https://doi.org/10.3390/molecules28207059>, (2023), (FI₂₀₂₂ = 4.6) (Q1).
18. Synthesis, Characterization and Cytotoxic Evaluation of New Pyrrolo[1,2-b]pyridazines Obtained via Mesoionic Oxazolo-Pyridazinones, B.-C. Ivan; S.-F. Barbuceanu, C. M. Hotnog, O. T. Olaru, A. I. Anghel, R. V. Ancuceanu, M. A. Mihaila, L. I. Brasoveanu, **S. Shova**, C. Draghici, G.M. Nitulescu, F. Dumitrascu, *International Journal of Molecular Sciences* 24(14), 11642, <https://doi.org/10.3390/ijms241411642>, (FI₂₀₂₂ = 5.6) (Q1)
19. How Metal Nuclearity Impacts Electrocatalytic H₂ Production in Thiocarbohydrazone-Based Complexes, M. Papadakis, A. Barrozo, L. Delmotte, T. Straistari, **S. Shova**, M. Réglier, V. Krewald, S. Bertaina, R. Hardré, M. Orio, *Inorganics* 11(4), 149, <https://doi.org/10.3390/inorganics11040149>, (FI₂₀₂₂ = 2.9) (Q2)

2022

1. Octakis(carboxyalkylthioethyl)silsesquioxanes and derived metal complexes: Synthesis, characterization and catalytic activity assessments; **M. Dascalu, A.C. Stoica, A. Bele, A.M. Macsim, A. Bargan, C.D. Varganici, G.T. Stiubianu, C. Racles, S.**

- Shova, M. Cazacu**; *J Inorg Organomet Polym Mater* 32, 3955-3970 (2022) <https://doi.org/10.1007/s10904-022-02408-8> (FI₂₀₂₁ = 3.518) (Q2)
2. Bentonite as an active natural filler for silicone leading to piezoelectric-like response material; **M. Iacob, V. Tiron, G.T. Stiubianu, M. Dascalu, L. Hernandez, C.D. Varganici, C. Tugui, M. Cazacu**; *J. Mater. Res. Technol.* 17, 79-94 (2022) <https://doi.org/10.1016/j.jmrt.2021.12.125> (FI₂₀₂₁ = 6.267) (Q1)
 3. Some theoretical and experimental evidence for particularities of the siloxane bond; **A.C. Stoica, M. Damoc, C. Cojocaru, A. Nicolescu, S. Shova, M. Dascalu, M. Cazacu**; *Molecules- acceptata* (2022) (FI₂₀₂₁ = 4.927) (Q2)
 4. 2D coordination polymers and ionic complexes of the nickel(II) and zinc(II) cyclam cations with trigonal carboxylate linkers based on triazine core. Crystal structures, supramolecular catenation and spectral characterization, R.I. Gurtovyi, S.P. Gavrish, L.V. Tsybmal, M.O. Apostu, **M. Cazacu, S. Shova, Y.D. Lampeka**, *Polyhedron*, 221, 115870, <https://doi.org/10.1016/j.poly.2022.115870>, (FI₂₀₂₁ = 2.88) (Q2)
 5. Mesitylene Tribenzoic Acid as a Linker for Novel Zn/Cd Metal-Organic Frameworks, D. Bejan, I.-A. Dascalu, **S. Shova**, A. F. Trandabat, L. G. Bahrin, *Materials* (2022), 15(12), 4247; <https://doi.org/10.3390/ma15124247>, (FI₂₀₂₁ = 3.62) (Q2)
 6. Aziridinium cation templating 3D lead halide hybrid perovskites, H.R. Petrosova, O.I. Kucheriv, **S. Shova, I.A. Gural'skiy**, *Chemical Communications*, (2022), 58, 5745-5748, <https://doi.org/10.1039/D2CC01364A>, (FI₂₀₂₁ = 6.222) (Q2)
 7. Four-step spin crossover in a new cyano-bridged iron-silver coordination polymer, O.I. Kucheriv, S.I. Shylin, V.Y. Sirenko, V. Ksenofontov, W. Tremel, I.A. Dascălu, S. Shova, I.A. Gural'skiy, *Chemistry A European Journal*, Accepted article, <https://doi.org/10.1002/chem.202200924>, (FI₂₀₂₁ = 5.236) (Q2)
 8. New Cyanido-Bridged Complexes of Zn(II) and/or Ag(I) with TPymT and Tptz Ligands: Synthesis, Structural and Fluorescent Properties, D. Visinescu; **S. Shova**; D.-L. Popescu; M.-G. Alexandru, *Crystals*, (2022), <https://doi.org/10.3390/cryst12111618> (FI₂₀₂₁ = 2.670) (Q2)
 9. Crystal structures of 5-bromo-1-arylpyrazoles and their halogen bonding features; M.M. Popa, **S. Shova, M. Dascalu**, M.R. Caira, F. Dumitrascu; *CrystEngComm- acceptata* (2022) (FI₂₀₂₁ = 3.756) (Q1)
 10. 1D iron(ii)-1,2,4-triazolic chains with spin crossover assembled from discrete trinuclear complexes, S.I. Shylin, **S. Shova**, H.J. Shepherd, V. Ksenofontov, W. Tremel, I.A. Gural'skiy, *Dalton Transactions*, (2022), 51, 2364-2369, <https://doi.org/10.1039/D2DT00004K>, (FI₂₀₂₁ = 4.390) (Q1)
 11. Diastereomeric dinickel(ii) complexes with non-innocent bis(octaazamacrocyclic) ligands: isomerization, spectroelectrochemistry, DFT calculations and use in catalytic oxidation of cyclohexane, A. Dobrov, D. Darvasiová, M. Zalibera, L. Bučinský, I. Jelemenská, P. Rapta, **S. Shova**, D.G. Dumitrescu, M.A. Andrade, L.M.D.R.S.Martins, A.J.L. Pombeiro, V.B. Arion, *Dalton Transactions*, (2022), 51, 5151-5167, <https://doi.org/10.1039/D2DT00154C>, (FI₂₀₂₁ = 4.390) (Q1)
 12. Chiral 2D organic-inorganic hybrid perovskites based on L-histidine, V. Sirenko, O. I. Kucheriv, E. Gumienna-Kontecka, I. A. Gural'skiy, **S. Shova**, *Dalton Transactions* 43, 51, 16536-16544 (2022), <https://doi.org/10.1039/D2DT03025J>, (FI₂₀₂₁ = 4.390) (Q1)
 13. Investigation by Chemical Substitution within 2p-3d-4f Clusters of the Cobalt(II) Role in the Magnetic Behavior of [vdCoLn]₂ (vd = Verdazyl Radical), G. Novitchi, S. Shova, C. Train, *Inorganic Chemistry* 61(43), October (2022), <https://doi.org/10.1021/acs.inorgchem.2c01742>, (FI₂₀₂₁ = 5.165) (Q1)
 14. Two-Step Spin Crossover in Hofmann-Type Coordination Polymers [Fe(2-phenylpyrazine)₂{M(CN)₂}]₂ (M = Ag, Au), V.M. Hiiuk, S.I. Shylin, D.D. Barakhtii, D.M. Korytko, V.O. Kotsyubynsky, A. Rotaru, **S. Shova, I.A. Gural'skiy**, *Inorganic Chemistry* 61, 4, 2093–2104, (2022), <https://doi.org/10.1021/acs.inorgchem.1c03302>, (FI=5,436) (Q1)
 15. Cooperative Spin Crossover above Room Temperature in the Iron(II) Cyanoborohydride–Pyrazine Complex, Y. S. Bibik, **S. Shova**, A. Rotaru, S. I. Shylin, I. O. Fritsky, R. D. Lampeka, I. A. Gural'skiy, *Inorg. Chem.* 61, 37, 14761–14769, (2022), <https://doi.org/10.1021/acs.inorgchem.2c02177>, (FI₂₀₂₁ = 5.165) (Q1)
 16. Highly Porous Cyanometallic Spin-Crossover Frameworks Employing Pyridazino[4,5-d]pyridazine Bridge, V. M. Hiiuk; **S. Shova**; K. V. Domasevitch; I. A. Gural'skiy, *Inorganics*, 10(11), 195, (2022), <https://doi.org/10.3390/inorganics10110195>, (FI₂₀₂₁ = 3.149) (Q1)
 17. New Pyrrole Derivatives as Promising Biological Agents: Design, Synthesis, Characterization, In Silico, and Cytotoxicity Evaluation, B.-C. Ivan, S.-F. Barbuceanu, C. M. Hotnog, A. I. Anghel, R. V. Ancuceanu, M. A. Mihaila, L. I. Brasoveanu, **S. Shova**, C. Draghici, O.T. Olaru, G. M. Nitulescu, M. Dinu, F. Dumitrascu, *Int. J. Mol. Sci.* 2022, 23(16), 8854, (2022); <https://doi.org/10.3390/ijms23168854>, (2022) (FI₂₀₂₁ = 5.924) (Q1)
 18. Solvatomorphism, polymorphism and spin crossover in bis[hydrotris(1,2,3-triazol-1-yl)borate]iron(II), Horniichuk, O., Ridier, K., Molnar, G., Kotsyubynsky, V., **Shova, S.**, Amirkhanov, V., Gural'skiy, I.A., Salmon, L., Bousseksou, A., *New Journal of Chemistry*, (2022), accepted for publication, <https://doi.org/10.1039/D2NJ01471H>, (FI₂₀₂₁ = 3.591) (Q2)

1. Dual crystalline-amorphous salen-metal complexes behave like nematic droplets with AI Egens vistas, **M. Damoc, A.C. Stoica, M. Dascalu, M. Asandulesa, S. Shova, M. Cazacu**, Dalton Trans., 50, 13841-13858, <https://doi.org/10.1039/D1DT01980E>, (2021), (FI₂₀₂₁ = 4.569) (Q1)
2. Silanol-functionalized tetranuclear copper complex and its nanoscale-heterogenization by immobilization on glass surface from solution, **A. C. Stoica, M. Damoc, V. Tiron, M. Dascalu, A. Coroaba, S. Shova, M. Cazacu**, Journal of Molecular Liquids, <https://doi.org/10.1016/j.molliq.2021.117742>, (2021), (FI₂₀₂₁ = 6.633) (Q1)
3. 1-(4-Carboxyphenyl)-5-methyl-1H-1,2,3-triazole-4-carboxylic acid - A versatile ligand for the preparation of coordination polymers and mononuclear complexes, B.I. Bratanovici, **S. Shova**, V. Lozan, I.A. Dascălu, R. Ardeleanu, G. Roman, Polyhedron, 200, Article number: 115115, may 15, <https://doi.org/10.1016/j.poly.2021.115115> (2021), (FI₂₀₂₁ = 2.975) (Q2)
4. Synthesis, crystal structure and luminescent properties of isorecticular lanthanide-organic frameworks based on a tetramethyl-substituted terphenyldicarboxylic acid, I.A. Dascalu, E.A. Mikhalyova, **S. Shova**, B.I. Bratanovici, R. Ardeleanu, N. Marangoci, V. Lozan, G. Roman, Polyhedron, 194, Article Number: 114929, <https://doi.org/10.1016/j.poly.2020.114929>, January 15 (2021), (FI₂₀₂₁ = 2.975) (Q2)
5. Slow relaxation of the magnetization in a {(CoMnIII)-Mn-III} heterometallic brick-wall network, M.G. Alexandru, D. Vişinescu, **S. Shova**, S.E. Stiriba, J. Cano, F. Lloret, M. Julve, Polyhedron, 200, Article Number:115118, may 15, <https://doi.org/10.1016/j.poly.2021.115118> (2021), (FI₂₀₂₁ = 2.975) (Q2)
6. An alternative approach to the synthesis of [1,2,4]triazolo[1,5-a]pyridine-8-carbonitriles, their crystal structure, and DFT calculations, D.M. Khomenko, T.V. Shokol, R.O. Doroshchuk, V.S. Starova, I.V. Raspertova, **S. Shova**, R.D. Lampeka, Y.M. Volovenko, Journal of Heterocyclic Chemistry 58(6), 1278-1285, <https://doi.org/10.1002/jhet.4256>, May (2021), (FI₂₀₂₁ = 2.035) (Q3)
7. An original 3D coordination polymer constructed from trinuclear nodes and tetracarboxylato spacers, A.S. Dinca, A. Dogaru, A.E. Ion, S. Nica, D. Dumitrescu, **S. Shova**, F. Lloret, M. Julve, A. Andruh, CRYSTENGCOMM, 23 (6), 1332-1335, DOI: 10.1039/d0ce01667e, 14 February, <https://doi.org/10.1039/D0CE01667E> (2021), (FI₂₀₂₁ = 2.035) (Q3)
8. Co (II), Cu (II), Mn (II), Ni (II), Pd (II), and Pt (II) complexes of bidentate Schiff base ligand: Synthesis, crystal structure, and acute toxicity evaluation, G. Lupascu, E. Pahontu, **S. Shova**, S.F. Barbuceanu, M. Badea, C. Paraschivescu, J. Neamtu, M. Dinu, R.V. Ancuceanu, D. Draganescu, C.E. Dinu-Pirvu, Applied Organometallic Chemistry, Article Number:e6149, <https://doi.org/10.1002/aoc.6149>, January (2021), (FI₂₀₂₁ = 4.072) (Q2)
9. Coordination Polymers of the Macrocyclic Nickel(II) and Copper(II) Complexes with Isomeric Benzenedicarboxylates: The Case of Spatial Complementarity between the Bis-Macrocyclic Complexes and o-Phthalate, L. V. Tsybal, I. L. Andriichuk, **S. Shova**, D. Trzybiński, K. Woźniak, V. B. Arion, Y. D. Lampeka, Cryst. Growth Des. 21, 4, 2355–2370, March 16, <https://doi.org/10.1021/acs.cgd.1c00011>, (2021), (FI₂₀₂₁ = 4.076) (Q1)
10. Slow Magnetic Relaxation in {[CoC_xAPy]} 2.15 H₂O}(n) MOF Built from Ladder-Structured 2D Layers with Dimeric SMM Rungs, A. Arauzo, E. Bartolome, J. Luzon, P. Alonso, **A. Vlad, M. Cazacu, M.F. Zaltariov, S. Shova**, J. Bartolome, C. Turta, Molecules, 26 (18), Article Number 5626, <https://doi.org/10.3390/molecules26185626>, (2021), (FI₂₀₂₁ = 4.927) (Q2)
11. Expanding manganese(IV) aqueous chemistry: unusually stable water-soluble hexahydrazide clathrochelate complexes, S.I. Shylin, J.L. Pogrebetsky, A.O. Husak, D. Bykov, A. Mokhir, F. Hampel, **S. Shova**, A. Ozarowski, E. Gumienna-Kontecka, I.O. Fritsky, Chemical Communications, 57, 11060-11063, Sept, <https://doi.org/10.1039/D1CC04870H>, (2021) (FI₂₀₂₁ = 6.065) (Q1)
12. A rare isostructural series of 3d-4f cyanido-bridged heterometallic squares obtained by assembling [Fe-III{HB(pz)(3)}(CN)(3)](-) and Ln(III) ions: synthesis, X-ray structure and cryomagnetic study, M.G. Alexandru, D. Visinescu, B. Cula, **S. Shova**, R. Rabelo, N. Moliner, F. Lloret, J. Cano, M. Julve, Dalton Transactions 50, 14640-14652, <https://doi.org/10.1039/D1DT02512K>, (2021), (FI₂₀₂₁ = 4.569) (Q1)
13. Isomorphic Channel-Type Pseudopolymorphs of Azathioprine: From Structural Confirmations to a Rational Polymorph Screening Approach, D. Samohvalov, M.A. Lungan, **S. Shova**, A. Barbatu, D. Gherca, C.M. Manta, Crystal Growth&Design 21(9), 4837-4846, <https://doi.org/10.1021/acs.cgd.0c01718>, (2021), (FI₂₀₂₁ = 4.076) (Q1).
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