

# Shova Sergiu

## List of Publications

1.	A Nanosized Heteronuclear {Fe <sub>18</sub> Tb <sub>6</sub> } Coordination Wheel Based on Pivalate and Triethanolamine Ligands, D. Podgornii, <b>S. Shova</b> , V. Ch. Kravtsov, S. G. Baca, (2024), Book chapter, DOI: 10.1007/978-3-031-42775-6_9.
2.	A Manganese (II) 3D Metal–Organic Framework with Siloxane-Spaced Dicarboxylic Ligand: Synthesis, Structure, and Properties, A.C. Stoica, M. Damoc, <b>S. Shova</b> , G. Novitchi, M. Dascalu, M. Cazacu, <i>Inorganics</i> , Volumul 11, 1, 21, <a href="https://doi.org/10.3390/inorganics11010021">https://doi.org/10.3390/inorganics11010021</a> (2023), (FI <sub>2022</sub> = 3.149) (Q1)
3.	Micellization Turned on Dual Fluorescence and Room Temperature Phosphorescence by Pseudo-ESIPT in Thiadiazole Derivatives, M. Damoc, R. I. Tigoianu, A.C. Stoica, A.M. Macsim, M. Dascalu, <b>S. Shova</b> , <b>M. Cazacu</b> ., <i>Journal of Physical Chemistry C</i> . 127(1), 99–109, <a href="https://doi.org/10.1021/acs.jpcc.2c07651">https://doi.org/10.1021/acs.jpcc.2c07651</a> , (2023), (FI <sub>2022</sub> = 3.7) (Q1).
4.	Crystal structures of 5-bromo-1-arylpiperazines and their halogen bonding features, M. M. Popa, <b>S. Shova</b> , <b>M. Dascalu</b> , M. R. Caira, F. Dumitrascu, <a href="https://doi.org/10.1039/D2CE01355J">https://doi.org/10.1039/D2CE01355J</a> , <i>CrystEngComm</i> , 25, 86-94, (2023), (FI <sub>2022</sub> = 3.756) (Q1)
5.	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, <b>S. Shova</b> , E. Bicu, <i>New Journal of Chemistry</i> , <a href="https://doi.org/10.1039/D2NJ05257A">https://doi.org/10.1039/D2NJ05257A</a> (2023), (FI <sub>2022</sub> = 3.925) (Q1)
6.	Synthesis and Antimicrobial Activity Evaluation of Homodrimane Sesquiterpenoids with a Benzimidazole Unitquiterpenoids with a Benzimidazole Unit, L. Lungu, S. Blaja, C. Cucicova, A. Ciocarlan, A. Barba, V. Kulcički, <b>S. Shova</b> , N. Vornicu, E.-I. Geana, I.I. Mangalagiu, A. Aricu, <i>Molecules</i> 28(3), 933, <a href="https://doi.org/10.3390/molecules28030933">https://doi.org/10.3390/molecules28030933</a> , (2023) (FI <sub>2022</sub> = 4.927) (Q2)
7.	How Metal Nuclearity Impacts Electrocatalytic H <sub>2</sub> Production in Thiocarbohydrazone-Based Complexes, M. Papadakis, A. Barrozo, L. Delmotte, T. Straistari, <b>S. Shova</b> , M. Reglier, V. Krewald, S. Bertaina, R. Hardre, M. Orio, <i>Inorganics</i> 11(4), 149, <a href="https://doi.org/10.3390/inorganics11040149">https://doi.org/10.3390/inorganics11040149</a> , (2023), (FI <sub>2022</sub> = 3.149) (Q1)
8.	Synthesis of new coordination compounds of some 3d metals based on N(4)-(ethyl acetate) thiosemicarbazones 2-formil and 2-acetyl pyridine. Antioxidative properties, A. Rusnac, O. Garbuz, <b>S. Shova</b> , A. Gulea, <i>Akademios</i> , 4, <a href="https://doi.org/10.52673/18570461.22.4-67.02">https://doi.org/10.52673/18570461.22.4-67.02</a> , (2023), (FI <sub>2022</sub> = ) (Q)
9.	Synthesis and crystal structure of a new copper(II) complex based on 5-ethyl-3-(pyridin-2-yl)-1,2,4-triazole, Y.P. Petrenko, D.M. Khomenko, R.O. Doroshchuk, I.V. Raspertova, <b>S. Shova</b> , R.D. Lampeka, <i>Acta Cryst. E</i> . E79, 432-435, <a href="https://doi.org/10.1107/S2056989023003079">https://doi.org/10.1107/S2056989023003079</a> , (2023),(Q3)
10.	A Chain of Vertex-Sharing {CoIII2CoII2} <sub>n</sub> Squares with Single-Ion Magnet Behavior, M. G. Alexandru; D. Visinescu; <b>S. Shova</b> ; J. Cano; N. Moliner; F. Lloret; M. Julve, <i>Magnetochemistry</i> 9(5), 130; <a href="https://doi.org/10.3390/magnetochemistry9050130">https://doi.org/10.3390/magnetochemistry9050130</a> , (2023), (FI <sub>2022</sub> = 2.7) (Q2)
11.	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, <b>S. Shova</b> , I. Man, A. Van der Lee, F. Dumitrascu, <i>Journal of Molecular Structure</i> 1292, 136112, <a href="https://doi.org/10.1016/j.molstruc.2023.136112">https://doi.org/10.1016/j.molstruc.2023.136112</a> (2023), (FI <sub>2022</sub> = 3.8) (Q2)
12.	Novel antimicrobial iodo-dihydro-pyrrole-2-one compounds, C.M. Al-Matarneh, A. Nicolescu, A; I.C. Marinas, M.C. Chifiriuc, <b>S. Shova</b> , M. Sillion, M. Pinteala, <i>Future Medicinal Chemistry</i> , 15(15), <a href="https://doi.org/10.4155/fmc-2023-0121">https://doi.org/10.4155/fmc-2023-0121</a> , (2023), ), (FI <sub>2022</sub> = 4.2) (Q1)
13.	New betulin imine derivatives with antioxidant and selective antitumor activity, M.M. Iftime, G.L., Ailiesei, <b>S. Shova</b> , C. Miron, H. Tanaka, M. Hori, L. Marin, <i>New Journal of Chemistry</i> 47(35), 16551-16563, <a href="https://doi.org/10.1039/D3NJ02738D">https://doi.org/10.1039/D3NJ02738D</a> , (2023), (FI <sub>2022</sub> = 3.3) (Q2)

14.	Structural diversity in proline-based lead bromide chiral perovskites, V.Y. Sirenko, O.I., Kucheriv, I.O., Fritsky, E. Gumienna-Kontecka, I.A. Dascalu, <b>S. Shova</b> , I.A. Gural'skiy, <i>Dalton Transactions</i> 52(30), 10545-10556, <a href="https://doi.org/10.1039/D3DT02056H">https://doi.org/10.1039/D3DT02056H</a> , (2023), (FI <sub>2022</sub> = 4.0) (Q1)
15.	Large ordered moment with strong easy-plane anisotropy and vortex-domain pattern in the kagome ferromagnet Fe <sub>3</sub> Sn, L. Prodan, D.M. Evans, S.M. Griffin, A. Ostlin, M. Althaler, E. Lysne, I.G. Filippova, <b>S. Shova</b> , L. Chioncel, V. Tsurkan, I. Kezsmarki, <i>Applied Physics Letters</i> 123 (2), 021901, <a href="https://doi.org/10.1063/5.0155295">https://doi.org/10.1063/5.0155295</a> , (2023), (FI <sub>2022</sub> = 3.971) (Q1)
16.	Crystal structure of 3-(4-bromophenyl)-5-methyl-1H-pyrazole, C <sub>10</sub> H <sub>9</sub> BrN <sub>2</sub> , D. Kocovic, S. Mugosa, <b>S. Shova</b> , Z.D. Tomic, <i>Zeitschrift für Kristallographie - New Crystal Structures</i> 238 (5) 863-865, <a href="https://doi.org/10.1515/ncrs-2023-0242">https://doi.org/10.1515/ncrs-2023-0242</a> , (2023), (FI <sub>2022</sub> = 0.582) (Q3)
17.	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. Oлару, A.I. Anghel, R.V. Ancuceanu, M.A. Mihaila, L.I. Brasoveanu, <b>S. Shova</b> , C. Draghici, G.M. Nitulescu, F. Dumitrascu, <i>International Journal of Molecular Sciences</i> 24(14), 11642, <a href="https://doi.org/10.3390/ijms241411642">https://doi.org/10.3390/ijms241411642</a> , (2023), (FI <sub>2022</sub> = 5.6) (Q1)
18.	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, <b>S. Shova</b> , M. V Babak, M. NM. Milunovic, R. D. Lampeka, <i>Inorganica Chimica Acta</i> , 556, 121646, <a href="https://doi.org/10.1016/j.ica.2023.121646">https://doi.org/10.1016/j.ica.2023.121646</a> , (2023), (FI <sub>2022</sub> = 3.118) (Q2).
19.	The influence of structural isomerism on luminescence properties of [Re(CO)(2)(dppv)(pbi)] complexes containing cis-1,2-bis(diphenylphosphino)-ethene and 2-(2-pyridyl)benzimidazole ligands, A. Kamecka, A. Kapturkiewicz, <b>S. Shova</b> , K. Suwinska, <i>Structural Chemistry</i> 34, 1641-1655, <a href="https://doi.org/10.1007/s11224-023-02177-1">https://doi.org/10.1007/s11224-023-02177-1</a> , (2023), (FI <sub>2022</sub> = 1.795) (Q3).
20.	Synthesis, characterization and magnetochemical study of cobalt, nickel and manganese coordination polymers, O. Cuzan, <b>S. Shova</b> , G. Novitchi, V. Lozan, <i>Inorganica Chimica Acta</i> 553, 121526, <a href="https://doi.org/10.1016/j.ica.2023.121526">https://doi.org/10.1016/j.ica.2023.121526</a> , (2023), (FI <sub>2022</sub> = 2.8) (Q2).
21.	Quantum dots assembled from an aziridinium based hybrid perovskite displaying tunable luminescence, O. A. Semenikhin, O. I. Kucheriv, L. Sacarescu, <b>S. Shova</b> , I. A. Gural'skiy, <i>Chemical Communications</i> 59(24), 3566-3569, <a href="https://doi.org/10.1039/D2CC06791A">https://doi.org/10.1039/D2CC06791A</a> , (2023), (FI <sub>2022</sub> = 4.9) (Q1).
22.	Iron(III) complexes with ditopic macrocycles bearing crown-ether and bis(salicylidene) isothiosemicarbazide moieties V. B. Arion, O. Palamarciuc, <b>S. Shova</b> , G. Novitchi, P. Rapta, <i>Journal of the Serbian Chemical Society</i> 1-21, <a href="https://doi.org/10.2298/JSC230607065A">https://doi.org/10.2298/JSC230607065A</a> , (2023), (FI <sub>2022</sub> = 1.100) (Q3).
23.	Carbon dioxide capture from air leading to bis[N-(5-methyl-1H-pyrazol-3-yl-κN 2)carbamato-κO]copper(II) tetrahydrate, V.Y. Sirenko, I. S. Kuzevanova, O. S. Vynohradov, D. D. Naumova, <b>S. Shova</b> , <i>Acta Crystallographica Section E Crystallographic Communications</i> E79, 988-992, <a href="https://doi.org/10.1107/S2056989023008575">https://doi.org/10.1107/S2056989023008575</a> , (2023), (FI <sub>2022</sub> = 0.261) (Q3).
24.	Crystal structure and Hirshfeld surface analysis of poly[[tetraaqua(μ-1,3,4,7,8,10,12,13,16,17,19,22-dodecaazatetracyclo[8.8.4.13,17.18,12]tetracosane-5,6,14,15,20,21-hexaonato)iron(IV)dilithium] tetrahydrate], M. O. Plutenko, <b>S. Shova</b> , V.A. Pavlenko, I. A. Golenya, I.O. Fritsky, <i>Acta Crystallographica Section E Crystallographic Communications</i> E79, 1059-1062, <a href="https://doi.org/10.1107/S2056989023008587">https://doi.org/10.1107/S2056989023008587</a> , (2023), (FI <sub>2022</sub> = 0.261) (Q3).
25.	Crystal structure of bis(3-carboxy-1-methylpyridinium) octabromide, V.Y. Sirenko, D. D. Naumova, I. A. Golenya, <b>S. Shova</b> , I. A. Gural'skiy, <i>Acta Crystallographica Section E Crystallographic Communications</i> E79, 977-981, <a href="https://doi.org/10.1107/S2056989023008460">https://doi.org/10.1107/S2056989023008460</a> , (2023), (FI <sub>2022</sub> = 0.261) (Q3).
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27.	Crystal structure of bis{3-(3,4-dimethoxyphenyl)-5-[6-(pyrazol-1-yl)pyridin-2-yl]-1,2,4-triazol-3-ato}iron(II)-methanol-chloroform (1/2/2), K. Znovjyak, I. O. Fritsky, T. Y. Sliva, V. M. Amirkhanov, S. O. Malinkin, <b>S. Shova</b> , M. Seredyuk, <i>Acta Crystallographica Section E Crystallographic Communications E79</i> , 962-966, <a href="https://doi.org/10.1107/S2056989023008423">https://doi.org/10.1107/S2056989023008423</a> , (FI <sub>2022</sub> = 0.261) (Q3).
28.	Synthesis and physical-chemical analysis of the coordination compounds of Cu(II) based on 3-ethoxysalicylaldehyde 4-cyclohexyl-thiosemicarbazone, R. Rusnac, A. Ciursin, <b>S. Shova</b> , A. Sirbu, A. Gulea, <i>Studia Universitatis Moldaviae. Seria Științe ale Naturii</i> , <a href="https://doi.org/10.59295/sum1(171)2023_26">https://doi.org/10.59295/sum1(171)2023_26</a> , (2023), (FI <sub>2022</sub> = -) (Q4).
29.	Crystal structures of the complexes containing macrocyclic cations [M(cyclam)] <sup>2+</sup> (M = Ni, Zn) and tetraiodidocadmate(2-) anion, I. L. Andriichuk, <b>S. Shova</b> , Y. D. Lampeka, <i>Acta Crystallographica Section E Crystallographic Communications E79</i> , 821-826, <a href="https://doi.org/10.1107/S2056989023007004">https://doi.org/10.1107/S2056989023007004</a> , (2023), (FI <sub>2022</sub> = 0.261) (Q3).
30.	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, <b>S. Shova</b> , C. Draghici, G.M. Nitulescu, F. Dumitrascu, <i>International Journal of Molecular Sciences</i> 24(14), 11642, <a href="https://doi.org/10.3390/ijms241411642">https://doi.org/10.3390/ijms241411642</a> , (FI <sub>2022</sub> = 5.6) (Q1)
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32.	How Metal Nuclearity Impacts Electrocatalytic H <sub>2</sub> Production in Thiocarbohydrazone-Based Complexes, M. Papadakis, A. Barrozo, L. Delmotte, T. Straistari, <b>S. Shova</b> , M. Réglie, V. Krewald, S. Bertaina, R. Hardré, M. Orio, <i>Inorganics</i> 11(4), 149, <a href="https://doi.org/10.3390/inorganics11040149">https://doi.org/10.3390/inorganics11040149</a> , (FI <sub>2022</sub> = 2.9) (Q2)
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45.	Aziridinium cation templating 3D lead halide hybrid perovskites, H.R. Petrosova, O.I. Kucheriv, S. Shova, I.A. Gural'skiy, <i>Chemical Communications</i> , (2022), 58, 5745-5748, <a href="https://doi.org/10.1039/D2CC01364A">https://doi.org/10.1039/D2CC01364A</a> , (FI <sub>2021</sub> = 6.222) (Q2)
46.	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, <i>Chemistry A European Journal</i> , Accepted article, <a href="https://doi.org/10.1002/chem.202200924">https://doi.org/10.1002/chem.202200924</a> , (FI <sub>2021</sub> = 5.236) (Q2)
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