

Arshak A Tsaturyan

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41
papers

243
citations

9
h-index

13
g-index

45
ext. papers

310
ext. citations

2.7
avg, IF

3.28
L-index

#	Paper	IF	Citations
41	The magnetic exchange interaction via N≡O-bonding in copper(II) complex with 1-phenyl-3-methyl-4-formylpyrazol-5-one 2-quinolylylhydrazone. <i>Inorganica Chimica Acta</i> , 2013 , 405, 169-175	2.7	34
40	Synthesis, crystal structure, magnetic properties and DFT study of dinuclear Ni(II) complex with the condensation product of 2-quinolinecarboxaldehyde and Girard T reagent. <i>Polyhedron</i> , 2017 , 128, 30-37	2.7	18
39	Effects of a Central Atom and Peripheral Substituents on Photoinduced Electron Transfer in the Phthalocyanine Fullerene Donor-Acceptor Solution-Processable Dyads. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 4010-4023	3.8	16
38	Photochemical reaction of amino acid Schiff base derived Cu complexes with extended E-system and their titanium oxide composites. <i>Inorganica Chimica Acta</i> , 2019 , 486, 221-231	2.7	16
37	Binaphthyl-containing Schiff base complexes with carboxyl groups for dye sensitized solar cell: An experimental and theoretical study. <i>Journal of Molecular Structure</i> , 2018 , 1162, 54-62	3.4	14
36	Influence of the bridging coordination of DMSO on the exchange interaction character in the binuclear copper(II) complex with the nonsymmetrical exchange fragment. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2014 , 40, 523-530	1.6	14
35	DFT Study of the CNS Ligand Effect on the Geometry, Spin-State, and Absorption Spectrum in Ruthenium, Iron, and Cobalt Quaterpyridine Complexes. <i>ACS Omega</i> , 2019 , 4, 10991-11003	3.9	12
34	Toward Sustainable, Colorless, and Transparent Photovoltaics: State of the Art and Perspectives for the Development of Selective Near-Infrared Dye-Sensitized Solar Cells. <i>Advanced Energy Materials</i> , 2018 , 2101598	21.8	11
33	Photo-induced reduction of Cr ⁶⁺ by the hybrid systems Cu complex with Schiff base and TiO ₂ dependence on irradiation wavelength. <i>Russian Chemical Bulletin</i> , 2017 , 66, 2057-2065	1.7	9
32	Correlations in the Electronic Structure of van der Waals NiPS Crystals: An X-ray Absorption and Resonant Photoelectron Spectroscopy Study. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 2400-2405	6.4	9
31	Spectral properties of supramolecular systems based on cobalt(II)/manganese(III) phthalocyanine and fullero[60]pyrrolidines with PET. <i>New Journal of Chemistry</i> , 2020 , 44, 11262-11270	3.6	7
30	Binuclear complexes of copper(II) with 1?-phthalazinylhydrazones of substituted salicylic aldehydes: Physico-chemical study and quantum-chemical simulation. <i>Russian Journal of General Chemistry</i> , 2014 , 84, 1970-1978	0.7	7
29	Photochemical reduction of Cr(VI) compounds by amino acid Schiff base copper complexes with a hydroxyl group and titanium oxide composites in aqueous solutions. <i>New Journal of Chemistry</i> , 2020 , 44, 16665-16674	3.6	7
28	Tetranuclear copper(II) complex with the heterocyclic azomethine ligand: Crystal structure and magnetic properties. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2014 , 40, 69-76	1.6	6
27	2-(N-tosylamino)benzaldehyde thiobenzoylhydrazone and its complexes with copper(II) and zinc(II): Synthesis and structures. <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2013 , 39, 367-372	1.6	6
26	Plasmon coupled nanoparticle arrays for fluorescence, photoluminescence and Raman scattering enhancement.. <i>Journal of Physics: Conference Series</i> , 2016 , 741, 012145	0.3	5
25	Transition metal complexes with 2,6-Di-tert-butyl-p-quinone 1?-phthalazinylhydrazone. <i>Russian Journal of General Chemistry</i> , 2013 , 83, 1928-1936	0.7	5

24	Iron(II) and ruthenium(II) complexes with polypyridine derivatives as sensitizers for DSSC: the structure and spectral properties, as studied by quantum chemistry methods. <i>Russian Chemical Bulletin</i> , 2017 , 66, 23-29	1.7	5
23	X-ray spectroscopic diagnostics of the structure of quantum dots based on zinc and manganese sulfides and oxides. <i>Journal of Structural Chemistry</i> , 2017 , 58, 1633-1640	0.9	4
22	Synthesis, characterization and antimicrobial activity of β -aminovinylphosphonium salts derived from aromatic amino acids. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2017 , 192, 1079-1083	1	3
21	Crystal structure and nontrivial magnetic properties of CuII binuclear complex based on 4-methyl-2,6-bis[[2-(4,6-dimethyl-pyrimidin-2-yl)hydrazono]methyl]phenol. <i>Mendeleev Communications</i> , 2019 , 29, 43-46	1.9	3
20	Theoretical and experimental study of triphenylphosphonium Schiff base of 5-hydroxy-3-methyl-1-phenyl-4-formylpyrazole. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2018 , 193, 375-381	1	3
19	Investigation of the nanoscale two-component ZnS-ZnO heterostructures by means of HR-TEM and X-ray based analysis. <i>Journal of Solid State Chemistry</i> , 2018 , 262, 264-272	3.3	3
18	Crystal structure of bis-Isonicotinoyl hydrazone of 2,5-diformylpyrrole. <i>Journal of Structural Chemistry</i> , 2013 , 54, 592-597	0.9	3
17	Crystal structure and magnetic properties of the binuclear copper(II) complex with 2,6-diformyl-4-tert-butylphenol bis(imidazoliny)hydrazone). <i>Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya</i> , 2013 , 39, 493-499	1.6	3
16	Influence of the number of anchor groups on the photophysical properties of coordination compounds as components of dye-sensitized solar cells. <i>Russian Chemical Bulletin</i> , 2015 , 64, 1801-1807	1.7	3
15	A trinuclear nickel(II) Schiff base complex with phenoxido- and acetato-bridges: combined experimental and theoretical magneto-structural correlation. <i>Dalton Transactions</i> , 2021 , 50, 2200-2209	4.3	3
14	Physico-chemical study of the complex formation between 2-(tosylamino)benzaldehyde bishydrazones and transition metal ions. <i>Russian Journal of General Chemistry</i> , 2015 , 85, 1902-1909	0.7	2
13	Determination of structures of Cu(II) and Ni(II) complexes based on 4-methyl-2,6-bis[[2-(4,6-dimethylpyrimidin-2-yl)-hydrazono]methyl]phenol by combine experimental and theoretical approaches. <i>Journal of Molecular Structure</i> , 2020 , 1199, 126952	3.4	2
12	Topological Quasi-2D Semimetal CoSnS: Insights into Electronic Structure from NEXAFS and Resonant Photoelectron Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 9807-9811	6.4	2
11	Molecular and crystal structure of a novel Schiff base: 4-methyl-N-[2-[(2-methyl-4-oxo-quinazoline-3-yl)iminomethyl]phenyl]benzenesulfonamide. <i>Journal of Structural Chemistry</i> , 2017 , 58, 366-369	0.9	1
10	Synthesis, physicochemical study, and quantum-chemical simulation of hydrazones based on 2-hydrazinoimidazoline. <i>Russian Journal of General Chemistry</i> , 2014 , 84, 676-681	0.7	1
9	Structure and magnetic properties of binuclear copper(II) complexes with 2,6-diformyl-4-tert-butylphenol bis(imidazoliny)hydrazone. <i>Russian Journal of General Chemistry</i> , 2013 , 83, 2314-2319	0.7	1
8	Temperature effect on the structure and characteristics of ZnS-based quantum dots. <i>Journal of Structural Chemistry</i> , 2017 , 58, 1397-1402	0.9	1
7	Physico-chemical and theoretical investigation of the Schiff base of 2,6-diformyl-4-tert-butylphenol and m-aminocinnamic acid. <i>Russian Journal of General Chemistry</i> , 2015 , 85, 2560-2567	0.7	1

6	Theoretical and experimental study of the coordination ability of 4,6-dimethylpyrimidinylhydrazone diacetylmonooxime towards Ni(II), Mn(II), Fe(III) and Co(III) ions. <i>New Journal of Chemistry</i> , 2020 , 44, 2146-2154 ^{3,6} ¹		
5	Theoretical and experimental characterization of Cu-doped amorphous silicate glass. <i>Journal of Molecular Structure</i> , 2020 , 1205, 127629	3.4	1
4	6,7-Dihydro-5H-1,2,4-triazolo[3,4-b][1,3,4]thiadiazine Ring Cleavage and Tautomerism of the Products: Experimental and Theoretical Study. <i>ChemistrySelect</i> , 2020 , 5, 3586-3592	1.8	1
3	N Basicity of Substituted Fullero[60]/[70]pyrrolidines According to DFT/TD-DFT Calculations and Chemical Thermodynamics. <i>Journal of Physical Chemistry A</i> , 2021 , 125, 5365-5374	2.8	0
2	A new ligand system containing sulfanilamide and quinazolinone fragments: Synthesis, structure, and properties. <i>Russian Journal of General Chemistry</i> , 2017 , 87, 66-75	0.7	
1	SYNTHESIS, CRYSTAL STRUCTURE, AND DFT STUDIES OF A NEW PHENOXO-BRIDGED DINUCLEAR ZINC(II) SCHIFF BASE COMPLEX WITH TWO DIFFERENT GEOMETRIES. <i>Journal of Structural Chemistry</i> , 2022 , 63, 9-18	0.9	