Oleg Kh Poleshchuk

List of Publications by Year
in descending order

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61	592	567281 15	677142 22
papers	citations	h-index	g-index

61	61	61	531
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Comparative analysis of a full-electron basis set and pseudopotential for the iodine atom in DFT quantum-chemical calculations of iodine-containing compounds. Journal of Structural Chemistry, 2008, 49, 548-552.	1.0	43
2	N2ï£¿Cuï£¿F: A Complex of Dinitrogen and Cuprous Fluoride Characterized by Rotational Spectroscopy. Angewandte Chemie - International Edition, 2006, 45, 6341-6343.	13.8	38
3	â€œDonorâ€“Acceptorâ€•Oligogermanes: Synthesis, Structure, and Electronic Properties. Organometallics, 2013, 32, 6500-6510.	2.3	36
4	HFI and DFT study of the bonding in complexes of halogen and interhalogen diatomics with Lewis base. Computational and Theoretical Chemistry, 2006, 760, 175-182.	1.5	30
5	Compounds of Group 14 Elements with an Elementâ€“Element (E = Si, Ge, Sn) Bond: Effect of the Nature of the Element Atom. Organometallics, 2015, 34, 2765-2774.	2.3	28
6	Energy analysis of the chemical bond in group IV and V complexes: A density functional theory study. International Journal of Quantum Chemistry, 2005, 101, 869-877.	2.0	26
7	Oligogermanes Containing Only Electron-Withdrawing Substituents: Synthesis and Properties. Organometallics, 2017, 36, 298-309.	2.3	26
8	Charge Transfer in Complexes of the Donorâ€“Acceptor Type. Russian Chemical Reviews, 1976, 45, 1077-1090.	6.5	23
9	New oligogermane with a five coordinate germanium atom: the preparation of 1-germylgermatrane. Dalton Transactions, 2014, 43, 6605-6609.	3.3	21
10	Oligothienyl catenated germanes and silanes: synthesis, structure, and properties. Dalton Transactions, 2018, 47, 5431-5444.	3.3	21
11	Electron density redistribution on complexation in non-transition element complexes. Journal of Molecular Structure, 1993, 297, 295-312.	3.6	20
12	Structure and properties of bis(1-phenyl-1h-tetrazole-5-thiolate)diiron tetranitrosyl. Journal of Molecular Structure, 2013, 1041, 183-189.	3.6	18
13	Quadrupole coupling constants and isomeric MÃ¶ssbauer shifts for inorganic compounds and complexes containing elements from period V calculated by ab initio methods. Physical Chemistry Chemical Physics, 2000, 2, 1877-1882.	2.8	16
14	Electronic structures and reactivities of iodinating agents in the gas phase and in solutions: A density functional study. Russian Chemical Bulletin, 2006, 55, 1328-1336.	1.5	16
15	DFT investigation of the thermodynamics and mechanism of electrophilic chlorination and iodination of arenes. Journal of Molecular Modeling, 2011, 17, 2759-2771.	1.8	16
16	Acetaldehydeâ€“Ammonia Interaction: A DFT Study of Reaction Mechanism and Product Identification. Journal of Physical Chemistry A, 2017, 121, 3136-3141.	2.5	15
17	Application of density functional theory to the analysis of electronic structure and quadrupole interaction in dimers of transition and non-transition elements. Computational and Theoretical Chemistry, 2001, 574, 233-243.	1.5	14
18	Theoretical analysis of glyoxal condensation with ammonia in aqueous solution. Physical Chemistry Chemical Physics, 2019, 21, 9326-9334.	2.8	14

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19	Electronic stricture and reactivity of phenyl and pentafluorophenylsubstituted N,N-dichloroamides and -amines. Journal of Fluorine Chemistry, 1981, 17, 1-14.	1.7	13
20	X-ray investigation of electron density redistribution on complexation. Computational and Theoretical Chemistry, 1991, 251, 11-27.	1.5	13
21	Distinctive features of the electronic structure of tetrachloride titanium complexes. Journal of Molecular Structure, 2000, 522, 201-208.	3.6	13
22	The effects of fluorine substitution on the 35Cl NQR spectra of fluoroaromatic compounds containing element-chlorine bonds. Journal of Fluorine Chemistry, 1987, 35, 427-436.	1.7	11
23	Propylene glycol oxidation over silver catalysts: A theoretical study. Journal of Molecular Catalysis A, 2016, 417, 36-42.	4.8	11
24	Investigation of the electronic structure of SnCl4L2, TiCl4L2 and SbCl5L complexes by X-ray fluorescence spectroscopy. Journal of Molecular Structure, 1994, 324, 215-222.	3.6	10
25	Study of a surface of the potential energy for processes of alkanes free-radical iodination by B3LYP/DGDZVP method. Computational and Theoretical Chemistry, 2009, 912, 67-72.	1.5	10
26	Halogenating and Nitrating Activity of Reagents Based on Sodium Nitrate and Alkali Metal Halides in Acetic Acid. Russian Journal of Organic Chemistry, 2004, 40, 917-923.	0.8	7
27	Aryl Germanes as Ligands for Transition Polymetallic Complexes: Synthesis, Structure, and Properties. European Journal of Inorganic Chemistry, 2019, 2019, 2750-2760.	2.0	7
28	Ethylene glycol oxidation over Ag-containing catalysts: A theoretical study. Journal of Molecular Catalysis A, 2015, 396, 61-67.	4.8	6
29	Aryl Oligogermanes as Ligands for Transition Metal Complexes. European Journal of Inorganic Chemistry, 2018, 2018, 4911-4924.	2.0	6
30	SO3 complexes with nitrogen containing ligands as the object of nuclear quadrupole interactions and density functional theory calculations. Computational and Theoretical Chemistry, 2006, 761, 195-201.	1.5	5
31	Insertion of germylenes into Geâ€“X bonds giving molecular oligogermanes: theory and practice. Monatshefte FÃ¼r Chemie, 2019, 150, 1773-1778.	1.8	5
32	Changes in electron density distribution resulting from formation of antimony pentachloride complexes studied by X-ray fluorescence spectroscopy. Journal of Molecular Structure, 1997, 406, 145-151.	3.6	4
33	Title is missing!. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2003, 29, 53-59.	1.0	4
34	New Type of Prototropic Tautomerism Involving Carbon, Hydrogen, and Oxygen Atoms. Russian Journal of Organic Chemistry, 2004, 40, 462-466.	0.8	4
35	Theoretical analysis of reactions of electrophilic iodination and chlorination of benzene and polycyclic arenes in density functional theory approximation. Russian Journal of Organic Chemistry, 2008, 44, 681-687.	0.8	4
36	The asymmetry parameter of the electric field gradient tensor of TiCl4 and its complexes studied by NQR nutation spectroscopy. Journal of Molecular Structure, 1997, 415, 153-156.	3.6	3

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37	Electronic Effects of CF3Group in Polyfluorinated Toluenes: Infrared, Raman, and Ultraviolet Spectra. Russian Journal of Organic Chemistry, 2003, 39, 1603-1607.	0.8	3
38	Title is missing!. Russian Journal of Coordination Chemistry/Koordinatsionnaya Khimiya, 2003, 29, 60-65.	1.0	3
39	Quantum chemical approaches to the explanation of differences in NO-donor activity of iron-sulfur nitrosyl complexes. Russian Chemical Bulletin, 2014, 63, 37-42.	1.5	3
40	New chemical markers based on phthaleins. Russian Journal of Applied Chemistry, 2015, 88, 711-718.	0.5	3
41	Features of homogeneous oxidation of glyoxal to glyoxylic acid. Russian Chemical Bulletin, 2019, 68, 802-808.	1.5	3
42	Oligoorganogermanes: Interplay between Aryl and Trimethylsilyl Substituents. Molecules, 2022, 27, 2147.	3.8	3
43	Structure of the Paramagnetic Products of Thiocyanate Photolysis at 77 K. Journal of Structural Chemistry, 2003, 44, 404-409.	1.0	2
44	Studies of the electronic structure and biological activity of chosen 1,4-benzodiazepines by 35Cl NQR spectroscopy and DFT calculations. Chemical Physics, 2006, 330, 301-306.	1.9	2
45	Reactivity of 2,6-Dichloropurine Ribonucleoside Studied by 35Cl NQR Spectroscopy. Applied Magnetic Resonance, 2008, 34, 47-53.	1.2	2
46	Quantum chemical modeling of ligand substitution in cationic nitrosyl iron complexes. Russian Chemical Bulletin, 2014, 63, 1088-1094.	1.5	2
47	Temperature dependence of the resonance absorption of? quanta in complexes of tin(IV) chloride with organic ligands. Journal of Structural Chemistry, 1975, 16, 337-343.	1.0	1
48	Calculation of the119Sn isomer shifts in complexes of tin tetrachloride with organic ligands. Journal of Structural Chemistry, 1982, 23, 81-84.	1.0	1
49	The Mï¿½ssbauer effect and the dynamics of the atoms in the complex of tin tetrachloride with sulfur nitride. Journal of Structural Chemistry, 1982, 23, 163-166.	1.0	1
50	Electronic structure of bridging halogen atoms in metal halide dimers studied by the AM1 method and NQR spectroscopy. Solid State Nuclear Magnetic Resonance, 1996, 6, 267-274.	2.3	1
51	Sodium and potassium salts of dichloroisocyanuric acid and their hydrates as antimicrobials agents studied by 35Cl-NQR spectroscopy and DFT calculations. Chemical Physics, 2006, 325, 429-436.	1.9	1
52	Using the Combined Approach of 35Cl NQR, 14N NQR and DFT Calculations To Study the 14N NQR Spectrum of Diazepam. Applied Magnetic Resonance, 2008, 34, 183-191.	1.2	1
53	Transformations of diphenyl sulfide and diphenylamine on aluminum chloride. Petroleum Chemistry, 2017, 57, 272-277.	1.4	1
54	On the Photolysis of Barium Thiosulfate. High Energy Chemistry, 2018, 52, 194-195.	0.9	1

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55	X-Ray Emission Spectroscopy, Methods*. , 1999, , 2984-2988.		1
56	A comparative study of organic and nucleotide derivatives of phosphoric acid from the31P NMR spectra. Journal of Structural Chemistry, 1983, 24, 363-370.	1.0	0
57	X-ray spectral investigation of the redistribution of electron density during complexation. Journal of Structural Chemistry, 1992, 33, 214-225.	1.0	0
58	Electronic structure analysis of 4-chlorophenylisoxazoles and 4-chloroisoxazolines by35Cl NQR spectra and quantum chemical calculations. Journal of Structural Chemistry, 1994, 35, 201-208.	1.0	0
59	Nuclear Quadrupole Resonance, Applications*. , 1999, , 1956-1965.		0
60	Studies of the electronic structure of tin and antimony organic compounds by NQR, X-ray electron and fluorescence spectroscopies and quantum-chemical calculations. Journal of Molecular Structure, 2000, 516, 71-79.	3.6	0
61	X-Ray Emission Spectroscopy, Applications*. , 1999, , 2976-2983.		0