Elena I Davydova

List of Publications by Year
in descending order

32	417	933447 10	752698 20
papers	citations	h-index	g-index

33	33	33	327
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Antimony(III) Iodide Complexes with Pyridine: Structures and bonding via three pnictogen bonds. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2021, 647, 687-695.	1.2	5
2	Unusual molecular complexes of antimony fluoride dimers with acetonitrile and pyridine: structures and bonding. Dalton Transactions, 2021, 50, 13357-13367.	3.3	3
3	Crystal Structure of the Molecular Complex of Silicon Tetrafluoride with 4-Phenylpyridine. Russian Journal of General Chemistry, 2021, 91, 1964-1968.	0.8	1
4	Structures and Chemical Bonding in Antimony(III) Bromide Complexes with Pyridine. Chemistry - A European Journal, 2020, 26, 16338-16348.	3.3	10
5	Structural variety of aluminium and gallium coordination polymers based on bis-pyridylethylene: from molecular complexes to ionic networks. CrystEngComm, 2020, 22, 4531-4543.	2.6	6
6	Standard formation enthalpies of gas phase molecular complexes derived by taking into account the heat capacity difference of the gas phase dissociation processes: Experimental tensimetry data revisited. Thermochimica Acta, 2020, 686, 178571.	2.7	3
7	Structures of molecular complexes of SbCl5 with pyridine and acetonitrile: equal bond lengths, different stability. Russian Chemical Bulletin, 2020, 69, 84-90.	1.5	7
8	Study of Inorganic and Coordination Compounds by the Static Tensimetric Method from Mendeleev to the Present Day. Russian Journal of General Chemistry, 2019, 89, 1069-1084.	0.8	11
9	Crystal structures of antimony(III) chloride complexes with pyridine. Polyhedron, 2019, 158, 97-101.	2.2	9
10	Complex beryllium amidoboranes: Structures, stability, and evaluation of their potential as hydrogen storage materials. Journal of Computational Chemistry, 2017, 38, 401-405.	3.3	5
11	Reaction of TiCl4 with diethyl ether. Experimental and quantum-chemical study. Russian Journal of General Chemistry, 2016, 86, 9-17.	0.8	0
12	Crystal structures and thermal behavior of complexes of group 13 metal halides with pyridine-type ligands. Russian Chemical Bulletin, 2015, 64, 2523-2535.	1.5	13
13	Molecular complexes of group 13 element trihalides, pentafluorophenyl derivatives and Lewis superacids. Coordination Chemistry Reviews, 2015, 297-298, 91-126.	18.8	45
14	Versatile structures of group 13 metal halide complexes with 4,4â€²-bipy: from 1D coordination polymers to 2D and 3D metalâ€“organic frameworks. Dalton Transactions, 2015, 44, 20648-20658.	3.3	18
15	Interaction of titanium(IV) chloride with selected ethers and ketones. Russian Journal of General Chemistry, 2014, 84, 160-161.	0.8	1
16	Competitive Reaction Pathways for the Gasâ€Phase Reactivity of [Me₂AlNH₂]₃. ChemPhysChem, 2014, 15, 2774-2779.	2.1	2
17	Structure and stability of molecular and ionic complexes of AlCl3 with pyrazine and 4,4â€²-bipyridyl. Journal of Structural Chemistry, 2014, 55, 15-22.	1.0	2
18	Structural and thermodynamic properties of molecular complexes of aluminum and gallium trihalides with bifunctional donor pyrazine: decisive role of Lewis acidity in 1D polymer formation. Dalton Transactions, 2013, 42, 11589.	3.3	20

#	Article	IF	Citations
19	Do Solid-State Structures Reflect Lewis Acidity Trends of Heavier Group 13 Trihalides? Experimental and Theoretical Case Study. Inorganic Chemistry, 2012, 51, 11602-11611.	4.0	51
20	Molecular complexes formed by halides of group 4,5,13â€“15 elements and the thermodynamic characteristics of their vaporization and dissociation found by the static tensimetric method. Coordination Chemistry Reviews, 2010, 254, 2031-2077.	18.8	68
21	Structure and Stability of M₆N₈ Clusters (M = Si, Ge, Sn, Ti). Journal of Physical Chemistry A, 2010, 114, 6408-6412.	2.5	9
22	Structures and stability of Clâ€“Mâ€“Nâ€“H rings and cages (M = Si, Ge, Sn, Ti). Molecular Physics, 2009, 107, 899-910.	1.7	3
23	Lewis acidity of group 14 tetrahalides in gas phase. Computational and Theoretical Chemistry, 2006, 767, 103-111.	1.5	38
24	Quantum-chemical study of adducts of germanium halides with nitrogen-containing donors. Russian Journal of General Chemistry, 2006, 76, 545-553.	0.8	5
25	Chelate effect: The importance of reorganization energy. International Journal of Quantum Chemistry, 2004, 100, 419-425.	2.0	21
26	GAS PHASE REACTION BETWEEN MCl4 AND NH3: MONOMERS OR OLIGOMERS?. Phosphorus, Sulfur and Silicon and the Related Elements, 2004, 179, 953-954.	1.6	2
27	Title is missing!. Russian Journal of General Chemistry, 2003, 73, 48-53.	0.8	4
28	Title is missing!. Russian Journal of General Chemistry, 2003, 73, 765-775.	0.8	11
29	Quantum-Chemical Study of Adducts of Silicon Halides with Nitrogen-Containing Donors: V. Adducts with 2,2'-Bipyridine and 1,10-Phenanthroline. Russian Journal of General Chemistry, 2003, 73, 1742-1750.	0.8	6
30	Relationship between the energy of donor-acceptor bond and the reorganization energy in molecular complexes. International Journal of Quantum Chemistry, 2002, 88, 436-440.	2.0	23
31	Title is missing!. Russian Journal of General Chemistry, 2002, 72, 1576-1585.	0.8	8
32	Title is missing!. Russian Journal of General Chemistry, 2002, 72, 1911-1915.	0.8	7