

Elena I Davydova

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Molecular complexes formed by halides of group 4,5,13-15 elements and the thermodynamic characteristics of their vaporization and dissociation found by the static tensimetric method. <i>Coordination Chemistry Reviews</i> , 2010, 254, 2031-2077.	18.8	68
2	Do Solid-State Structures Reflect Lewis Acidity Trends of Heavier Group 13 Trihalides? Experimental and Theoretical Case Study. <i>Inorganic Chemistry</i> , 2012, 51, 11602-11611.	4.0	51
3	Molecular complexes of group 13 element trihalides, pentafluorophenyl derivatives and Lewis superacids. <i>Coordination Chemistry Reviews</i> , 2015, 297-298, 91-126.	18.8	45
4	Lewis acidity of group 14 tetrahalides in gas phase. <i>Computational and Theoretical Chemistry</i> , 2006, 767, 103-111.	1.5	38
5	Relationship between the energy of donor-acceptor bond and the reorganization energy in molecular complexes. <i>International Journal of Quantum Chemistry</i> , 2002, 88, 436-440.	2.0	23
6	Chelate effect: The importance of reorganization energy. <i>International Journal of Quantum Chemistry</i> , 2004, 100, 419-425.	2.0	21
7	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. <i>Dalton Transactions</i> , 2013, 42, 11589.	3.3	20
8	Versatile structures of group 13 metal halide complexes with 4,4'-bipy: from 1D coordination polymers to 2D and 3D metal-organic frameworks. <i>Dalton Transactions</i> , 2015, 44, 20648-20658.	3.3	18
9	Crystal structures and thermal behavior of complexes of group 13 metal halides with pyridine-type ligands. <i>Russian Chemical Bulletin</i> , 2015, 64, 2523-2535.	1.5	13
10	Title is missing!. <i>Russian Journal of General Chemistry</i> , 2003, 73, 765-775.	0.8	11
11	Study of Inorganic and Coordination Compounds by the Static Tensimetric Method from Mendeleev to the Present Day. <i>Russian Journal of General Chemistry</i> , 2019, 89, 1069-1084.	0.8	11
12	Structures and Chemical Bonding in Antimony(III) Bromide Complexes with Pyridine. <i>Chemistry - A European Journal</i> , 2020, 26, 16338-16348.	3.3	10
13	Structure and Stability of M_6N_8 Clusters (M = Si, Ge, Sn, Ti). <i>Journal of Physical Chemistry A</i> , 2010, 114, 6408-6412.	2.5	9
14	Crystal structures of antimony(III) chloride complexes with pyridine. <i>Polyhedron</i> , 2019, 158, 97-101.	2.2	9
15	Title is missing!. <i>Russian Journal of General Chemistry</i> , 2002, 72, 1576-1585.	0.8	8
16	Title is missing!. <i>Russian Journal of General Chemistry</i> , 2002, 72, 1911-1915.	0.8	7
17	Structures of molecular complexes of $SbCl_5$ with pyridine and acetonitrile: equal bond lengths, different stability. <i>Russian Chemical Bulletin</i> , 2020, 69, 84-90.	1.5	7
18	Quantum-Chemical Study of Adducts of Silicon Halides with Nitrogen-Containing Donors: V. Adducts with 2,2'-Bipyridine and 1,10-Phenanthroline. <i>Russian Journal of General Chemistry</i> , 2003, 73, 1742-1750.	0.8	6

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19	Structural variety of aluminium and gallium coordination polymers based on bis-pyridylethylene: from molecular complexes to ionic networks. <i>CrystEngComm</i> , 2020, 22, 4531-4543.	2.6	6
20	Quantum-chemical study of adducts of germanium halides with nitrogen-containing donors. <i>Russian Journal of General Chemistry</i> , 2006, 76, 545-553.	0.8	5
21	Complex beryllium amidoboranes: Structures, stability, and evaluation of their potential as hydrogen storage materials. <i>Journal of Computational Chemistry</i> , 2017, 38, 401-405.	3.3	5
22	Antimony(III) Iodide Complexes with Pyridine: Structures and bonding via three pnictogen bonds. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2021, 647, 687-695.	1.2	5
23	Title is missing!. <i>Russian Journal of General Chemistry</i> , 2003, 73, 48-53.	0.8	4
24	Structures and stability of Clâ€“Mâ€“Nâ€“H rings and cages (M = Si, Ge, Sn, Ti). <i>Molecular Physics</i> , 2009, 107, 899-910.	1.7	3
25	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. <i>Thermochimica Acta</i> , 2020, 686, 178571.	2.7	3
26	Unusual molecular complexes of antimony fluoride dimers with acetonitrile and pyridine: structures and bonding. <i>Dalton Transactions</i> , 2021, 50, 13357-13367.	3.3	3
27	GAS PHASE REACTION BETWEEN MCl ₄ AND NH ₃ : MONOMERS OR OLIGOMERS?. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2004, 179, 953-954.	1.6	2
28	Competitive Reaction Pathways for the Gasâ€“Phase Reactivity of [Me ₂ AlNH ₂] ₃ . <i>ChemPhysChem</i> , 2014, 15, 2774-2779.	2.1	2
29	Structure and stability of molecular and ionic complexes of AlCl ₃ with pyrazine and 4,4â€“bipyridyl. <i>Journal of Structural Chemistry</i> , 2014, 55, 15-22.	1.0	2
30	Interaction of titanium(IV) chloride with selected ethers and ketones. <i>Russian Journal of General Chemistry</i> , 2014, 84, 160-161.	0.8	1
31	Crystal Structure of the Molecular Complex of Silicon Tetrafluoride with 4-Phenylpyridine. <i>Russian Journal of General Chemistry</i> , 2021, 91, 1964-1968.	0.8	1
32	Reaction of TiCl ₄ with diethyl ether. Experimental and quantum-chemical study. <i>Russian Journal of General Chemistry</i> , 2016, 86, 9-17.	0.8	0