

Dmitry Ganyushin

List of Publications by Year in descending order

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13
papers

1,477
citations

687363

13
h-index

1125743

13
g-index

13
all docs

13
docs citations

13
times ranked

1618
citing authors

#	ARTICLE	IF	CITATIONS
1	First-principles calculations of zero-field splitting parameters. <i>Journal of Chemical Physics</i> , 2006, 125, 024103.	3.0	322
2	Advanced aspects of ab initio theoretical optical spectroscopy of transition metal complexes: Multiplets, spin-orbit coupling and resonance Raman intensities. <i>Coordination Chemistry Reviews</i> , 2007, 251, 288-327.	18.8	285
3	Detailed Ab Initio First-Principles Study of the Magnetic Anisotropy in a Family of Trigonal Pyramidal Iron(II) Pyrrolide Complexes. <i>Inorganic Chemistry</i> , 2011, 50, 7460-7477.	4.0	142
4	Systematic Theoretical Study of the Zero-Field Splitting in Coordination Complexes of Mn(III). Density Functional Theory versus Multireference Wave Function Approaches. <i>Journal of Physical Chemistry A</i> , 2010, 114, 10750-10758.	2.5	129
5	A fully variational spin-orbit coupled complete active space self-consistent field approach: Application to electron paramagnetic resonance g-tensors. <i>Journal of Chemical Physics</i> , 2013, 138, 104113.	3.0	106
6	A Modern First-Principles View on Ligand Field Theory Through the Eyes of Correlated Multireference Wavefunctions. <i>Structure and Bonding</i> , 2011, , 149-220.	1.0	94
7	Theoretical Determination of the Zero-Field Splitting in Copper Acetate Monohydrate. <i>Inorganic Chemistry</i> , 2011, 50, 6229-6236.	4.0	91
8	First-principles calculations of magnetic circular dichroism spectra. <i>Journal of Chemical Physics</i> , 2008, 128, 114117.	3.0	86
9	Multireference ab initio studies of zero-field splitting and magnetic circular dichroism spectra of tetrahedral Co(ii) complexes. <i>Dalton Transactions</i> , 2009, , 6021.	3.3	64
10	A Multiconfigurational ab Initio Study of the Zero-Field Splitting in the Di- and Trivalent Hexaquo Cr^{III} Chromium Complexes. <i>Inorganic Chemistry</i> , 2009, 48, 10572-10580.	4.0	54
11	The resolution of the identity approximation for calculations of spin-spin contribution to zero-field splitting parameters. <i>Journal of Chemical Physics</i> , 2010, 132, 144111.	3.0	49
12	Direct Detection and Characterization of Chloride in the Active Site of the Low-pH Form of Sulfite Oxidase Using Electron Spin Echo Envelope Modulation Spectroscopy, Isotopic Labeling, and Density Functional Theory Calculations. <i>Inorganic Chemistry</i> , 2009, 48, 4743-4752.	4.0	33
13	Exchangeable oxygens in the vicinity of the molybdenum center of the high-pH form of sulfite oxidase and sulfite dehydrogenase. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 6733.	2.8	22