

Ivan S Bushmarinov

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Density functional theory is straying from the path toward the exact functional. <i>Science</i> , 2017, 355, 49-52.	12.6	711
2	Highly Luminescent, Water-Soluble Lanthanide Fluorobenzoates: Syntheses, Structures and Photophysics, Part I: Lanthanide Pentafluorobenzoates. <i>Chemistry - A European Journal</i> , 2015, 21, 17921-17932.	3.3	58
3	Pot, atom and step economic (PASE) synthesis of 5-isoxazolyl-5H-chromeno[2,3-b]pyridine scaffold. <i>Mendeleev Communications</i> , 2015, 25, 424-426.	1.6	52
4	Lanthanide 9-anthracenate: solution processable emitters for efficient purely NIR emitting host-free OLEDs. <i>Journal of Materials Chemistry C</i> , 2016, 4, 9848-9855.	5.5	51
5	Response to Comment on "Density functional theory is straying from the path toward the exact functional". <i>Science</i> , 2017, 356, 496-496.	12.6	51
6	Chemical and electrocatalytic cascade cyclization of salicylaldehyde with three molecules of malononitrile: a "one-pot" simple and efficient way to the chromeno[2,3-b]pyridine scaffold. <i>Tetrahedron</i> , 2014, 70, 8559-8563.	1.9	48
7	Stereoelectronic Effects in N ⁺ C ⁻ S and N ⁺ N ⁺ C Systems: Experimental and ab Initio AIM Study. <i>Journal of Physical Chemistry A</i> , 2008, 112, 5017-5023.	2.5	41
8	Quantifying Possible Routes for SpnF-Catalyzed Formal Diels-Alder Cycloaddition. <i>Journal of the American Chemical Society</i> , 2017, 139, 3942-3945.	13.7	39
9	Structural Properties and Phase Transition of Exfoliated-Restacked Molybdenum Disulfide. <i>Journal of Physical Chemistry C</i> , 2013, 117, 8509-8515.	3.1	38
10	Synthesis, structure and fluorescence of a zinc(ii) chelate complex with bis(2,4,7,8,9-pentamethyldipyrrolylmethen-3-yl)methane. <i>Mendeleev Communications</i> , 2011, 21, 168-170.	1.6	37
11	Dinitrogen Trioxide-Mediated Domino Process for the Regioselective Construction of 4-Nitrofurans from Acrylic Acids. <i>Heteroatom Chemistry</i> , 2014, 25, 226-237.	0.7	37
12	Lanthanide tetrafluorobenzoates as emitters for OLEDs: New approach for host selection. <i>Organic Electronics</i> , 2017, 44, 85-93.	2.6	35
13	Stabilization of 1T-MoS ₂ Sheets by Imidazolium Molecules in Self-Assembling Hetero-layered Nanocrystals. <i>Langmuir</i> , 2015, 31, 8953-8960.	3.5	34
14	Rietveld refinement and structure verification using 'Morse' restraints. <i>Journal of Applied Crystallography</i> , 2012, 45, 1187-1197.	4.5	28
15	Lanthanide Fluorobenzoates as Bio-Probes: a Quest for the Optimal Ligand Fluorination Degree. <i>Chemistry - A European Journal</i> , 2017, 23, 14944-14953.	3.3	24
16	Exhaustive conformational search for transition states: the case of catechol O-methyltransferase active site. <i>Mendeleev Communications</i> , 2017, 27, 224-227.	1.6	23
17	One-Pot "On-solvent" Multicomponent Protocol for the Synthesis of Medicinally Relevant 4-Hydroxy-2-quinoline Scaffolds. <i>Helvetica Chimica Acta</i> , 2015, 98, 1104-1114.	1.6	21
18	The peculiarities of complex formation and energy transfer processes in lanthanide complexes with 2-(tosylamino)-benzylidene-N-benzoylhydrazine. <i>Dalton Transactions</i> , 2018, 47, 4524-4533.	3.3	21

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19	Reliable structural data from Rietveld refinements via restraint consistency. <i>Journal of Applied Crystallography</i> , 2015, 48, 1777-1784.	4.5	19
20	Electronic Structure of Cesium Butyrateouranilate(VI) as Derived from DFT-assisted Powder X-ray Diffraction Data. <i>Journal of Physical Chemistry A</i> , 2014, 118, 9745-9752.	2.5	17
21	Ridges and valleys on charged 1T-MoS ₂ sheets guiding the packing of organic cations. <i>RSC Advances</i> , 2015, 5, 19206-19212.	3.6	17
22	Z-effect reversal in carboxylic acid associates. <i>Chemical Communications</i> , 2016, 52, 6593-6596.	4.1	17
23	The azide anion as a building block in crystal engineering from a charge density point of view. <i>CrystEngComm</i> , 2011, 13, 2930.	2.6	14
24	Electrostatic Origin of Stabilization in MoS ₂ Organic Nanocrystals. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 5162-5167.	4.6	14
25	Serendipitous Synthesis of (<i>tert</i> -butylazoxy)acetonitrile: Reduction of an Oxime Moiety to a Methylene Unit. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 3845-3855.	2.4	13
26	Keto-enol tautomerism and nonlinear optical properties in $\hat{1}^2$ -diketones containing [2.2]paracyclophane. <i>Optical Materials</i> , 2013, 36, 47-52.	3.6	12
27	New Polymorph of Dehydroepiandrosterone Obtained via Cryomodification. <i>Crystal Growth and Design</i> , 2016, 16, 1088-1095.	3.0	11
28	Copper(II) Complexes with Aromatico-Phosphorylated Phenols - Synthesis, Crystal Structures, and X-ray Photoelectron Spectroscopy. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 4823-4831.	2.0	10
29	Synthesis of Isomeric Isothiazolo[4 $\hat{2}$,3 $\hat{2}$:4,5]- and Isothiazolo[4 $\hat{2}$,5 $\hat{2}$:4,5]thieno[3,2- <i>b</i>]pyrano[2,3- <i>d</i>]pyridines by Combination of Domino Reactions. <i>ACS Combinatorial Science</i> , 2013, 15, 541-545.	3.8	9
30	The $\text{lp}^{\text{S}}\text{C}^{\text{C}}\text{NH}^+$ stereoelectronic interaction and effect of hydrogen bonding on it. <i>Mendeleev Communications</i> , 2009, 19, 14-16.	1.6	8
31	Syntheses of Nitronium Salts: A New Strategy towards Solid Nitronium Monosulfates. <i>ChemistrySelect</i> , 2017, 2, 11886-11890.	1.5	7
32	Identification of [1,3]dithiolo[4,5- <i>d</i>]dithiazolyl radicals by in situ EPR spectroscopy and cyclic voltammetry. <i>Tetrahedron</i> , 2013, 69, 8790-8797.	1.9	6
33	Coordination diversity of copper(II) phosphoryl-functionalized salicylaldehydes: Effect of the length of the pendant phosphoryl arm. <i>Polyhedron</i> , 2015, 85, 295-301.	2.2	5
34	Experimental and theoretical structural study of (3E,5E)-3,5-bis-(benzylidene)-4-oxopiperidinium monocation. <i>Molecular Structure</i> , 2011, 1001, 68-77.	3.6	3
35	Supramolecular stereoelectronic effect in hemiketals. <i>Mendeleev Communications</i> , 2017, 27, 595-598.	1.6	3
36	Efficient and facile on-solvent TM multicomponent synthesis of medicinally privileged pyrano[3,2- <i>c</i>]pyridine scaffold. <i>Research on Chemical Intermediates</i> , 2018, 44, 3199-3209.	2.7	3

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37	Charge redistribution in the SpnF-catalyzed Diels-Alder reaction. Mendeleev Communications, 2017, 27, 500-502.	1.6	0