Alina P Sergeeva

List of Publications by Year
in descending order

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31 papers	2,949 citations	304743 22 h-index	395702 33 g-index
37 all docs	37 docs citations	37 times ranked	1736 citing authors

#	Article	IF	Citations
1	A concentric planar doubly Ï€-aromatic B19â^' cluster. Nature Chemistry, 2010, 2, 202-206.	13.6	481
2	Understanding Boron through Size-Selected Clusters: Structure, Chemical Bonding, and Fluxionality. Accounts of Chemical Research, 2014, 47, 1349-1358.	15.6	474
3	All-boron analogues of aromatic hydrocarbons: B17â^' and B18â^'. Journal of Chemical Physics, 2011, 134, 224304.	3.0	283
4	A Photoelectron Spectroscopic and Theoretical Study of B₁₆^{â^'} and B₁₆^{2â^'}: An All-Boron Naphthalene. Journal of the American Chemical Society, 2008, 130, 7244-7246.	13.7	264
5	B₂₂^{â€“} and B₂₃^{â€“}: All-Boron Analogues of Anthracene and Phenanthrene. Journal of the American Chemical Society, 2012, 134, 18065-18073.	13.7	198
6	Deciphering the mystery of hexagon holes in an all-boron graphene Î±-sheet. Physical Chemistry Chemical Physics, 2011, 13, 11575.	2.8	136
7	A photoelectron spectroscopy and ab initio study of B21â^': Negatively charged boron clusters continue to be planar at 21. Journal of Chemical Physics, 2012, 136, 104310.	3.0	127
8	Unravelling phenomenon of internal rotation in B13+ through chemical bonding analysis. Chemical Communications, 2011, 47, 6242.	4.1	120
9	Experimental and computational evidence of octa- and nona-coordinated planar iron-doped boron clusters: FeÂ©B8â^' and FeÂ©B9â^'. Journal of Organometallic Chemistry, 2012, 721-722, 148-154.	1.8	85
10	Planarization of B₇^{â^'} and B₁₂^{â^'} Clusters by Isoelectronic Substitution: AlB₆^{â^'} and AlB₁₁^{â^'}. Journal of the American Chemical Society, 2011, 133, 8646-8653.	13.7	73
11	B₁₃⁺: A Photodriven Molecular Wankel Engine. Angewandte Chemie - International Edition, 2012, 51, 8512-8515.	13.8	72
12	Neuron-Subtype-Specific Expression, Interaction Affinities, and Specificity Determinants of DIP/Dpr Cell Recognition Proteins. Neuron, 2018, 100, 1385-1400.e6.	8.1	65
13	Interactions between the Ig-Superfamily Proteins DIP-Î± and Dpr6/10 Regulate Assembly of Neural Circuits. Neuron, 2018, 100, 1369-1384.e6.	8.1	64
14	THE CHEMICAL BONDING OF Re₃Cl₉AND REVEALED BY THE ADAPTIVE NATURAL DENSITY PARTITIONING ANALYSES. Comments on Inorganic Chemistry, 2010, 31, 2-12.	5.2	55
15	Photoelectron Spectroscopy of Cold Hydrated Sulfate Clusters, SO₄^{2â^'}(H₂O)_n (n = 4â^'7): Temperature-Dependent Isomer Populations. Journal of Physical Chemistry A, 2009, 113, 5567-5576.	2.5	47
16	Î±-Cateninâ€“mediated cadherin clustering couples cadherin and actin dynamics. Journal of Cell Biology, 2015, 210, 647-661.	5.2	42
17	Flattening a puckered cyclohexasilane ring by suppression of the pseudo-Jahnâ€“Teller effect. Journal of Chemical Physics, 2011, 134, 014105.	3.0	41
18	Flattening a Puckered Pentasilacyclopentadienide Ring by Suppression of the Pseudo Jahnâ^'Teller Effect. Organometallics, 2010, 29, 3951-3954.	2.3	37

#	Article	IF	Citations
19	Î´-Bonding in the [Pd4(Î¼4-C9H9)(Î¼4-C8H8)]+ sandwich complex. Physical Chemistry Chemical Physics, 2010, 12, 12050.	2.8	36
20	Molecular basis of sidekick-mediated cell-cell adhesion and specificity. ELife, 2016, 5, .	6.0	36
21	All-Transition Metal Aromaticity and Antiaromaticity. Structure and Bonding, 2010, , 275-305.	1.0	35
22	DIP/Dpr interactions and the evolutionary design of specificity in protein families. Nature Communications, 2020, 11, 2125.	12.8	26
23	Trans-endocytosis elicited by nectins transfers cytoplasmic cargo including infectious material between cells. Journal of Cell Science, 2019, 132, .	2.0	25
24	Chemical Bonding and Aromaticity in Trinuclear Transition-Metal Halide Clusters. Inorganic Chemistry, 2011, 50, 1039-1046.	4.0	24
25	Combined Experimental and Theoretical Investigation of Three-Dimensional, Nitrogen-Doped, Gallium Cluster Anions. Journal of Physical Chemistry A, 2010, 114, 11070-11077.	2.5	17
26	Probing the Electronic Stability of Multiply Charged Anions: Sulfonated Pyrene Tri- and Tetraanions. Journal of the American Chemical Society, 2009, 131, 9836-9842.	13.7	15
27	Rational Design of Small 3D Gold Clusters. Journal of Cluster Science, 2011, 22, 321-329.	3.3	15
28	Sorting of cadherinâ€“catenin-associated proteins into individual clusters. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	14
29	Negative electron binding energies observed in a triply charged anion: Photoelectron spectroscopy of 1-hydroxy-3,6,8-pyrene-trisulfonate. Journal of Chemical Physics, 2008, 128, 091102.	3.0	13
30	Affinity requirements for control of synaptic targeting and neuronal cell survival by heterophilic IgSF cell adhesion molecules. Cell Reports, 2022, 39, 110618.	6.4	9
31	Theoretical study of the Si5â^'n(BH)n2â^' and Na(Si5â^'n(BH)n)â^' (n = 0â€“5) systems. Physical Chemistry Chemical Physics, 2012, 14, 16326.	2.8	8