

Vamsee K Voora

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

24
papers

964
citations

16
h-index

24
g-index

24
ext. papers

1,234
ext. citations

6.4
avg, IF

4.47
L-index

#	Paper	IF	Citations
24	Molecular Electron Affinities Using the Generalized Kohn-Sham Semicanonical Projected Random Phase Approximation. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 433-439	6.4	3
23	Exploring the Solvation of Acetic Acid in Water Using Liquid Jet X-ray Photoelectron Spectroscopy and Core Level Electron Binding Energy Calculations. <i>Journal of Physical Chemistry B</i> , 2021 , 125, 8862-8868	3.4	3
22	TURBOMOLE: Modular program suite for ab initio quantum-chemical and condensed-matter simulations. <i>Journal of Chemical Physics</i> , 2020 , 152, 184107	3.9	255
21	Variational generalized Kohn-Sham approach combining the random-phase-approximation and Green's-function methods. <i>Physical Review A</i> , 2019 , 99,	2.6	22
20	Assessment of Density Functional Theory in Predicting Interaction Energies between Water and Polycyclic Aromatic Hydrocarbons: from Water on Benzene to Water on Graphene. <i>Journal of Chemical Theory and Computation</i> , 2019 , 15, 2359-2374	6.4	13
19	Effective one-particle energies from generalized Kohn-Sham random phase approximation: A direct approach for computing and analyzing core ionization energies. <i>Journal of Chemical Physics</i> , 2019 , 151, 134106	3.9	10
18	Understanding the role of intermolecular interactions between lissoclimides and the eukaryotic ribosome. <i>Nucleic Acids Research</i> , 2019 , 47, 3223-3232	20.1	10
17	Metal versus Ligand Reduction in Ln Complexes of a Mesitylene-Anchored Tris(Aryloxi) Ligand. <i>Inorganic Chemistry</i> , 2018 , 57, 2823-2833	5.1	31
16	Using Diamagnetic Yttrium and Lanthanum Complexes to Explore Ligand Reduction and C-H Bond Activation in a Tris(aryloxi)mesitylene Ligand System. <i>Inorganic Chemistry</i> , 2018 , 57, 12876-12884	5.1	13
15	Random-Phase Approximation Methods. <i>Annual Review of Physical Chemistry</i> , 2017 , 68, 421-445	15.7	80
14	Comparisons of lanthanide/actinide +2 ions in a tris(aryloxi)arene coordination environment. <i>Chemical Science</i> , 2017 , 8, 7424-7433	9.4	57
13	Theoretical approaches for treating non-valence correlation-bound anions. <i>Journal of Chemical Physics</i> , 2017 , 147, 214114	3.9	25
12	Synthesis facilitates an understanding of the structural basis for translation inhibition by the lissoclimides. <i>Nature Chemistry</i> , 2017 , 9, 1140-1149	17.6	29
11	Application of electronic structure methods to coupled Drude oscillators. <i>Chemical Physics Letters</i> , 2015 , 630, 76-79	2.5	4
10	Nonvalence Correlation-Bound Anion States of Polycyclic Aromatic Hydrocarbons. <i>Journal of Physical Chemistry Letters</i> , 2015 , 6, 3994-7	6.4	16
9	Negative electron affinities from conventional electronic structure methods. <i>Theoretical Chemistry Accounts</i> , 2014 , 133, 1	1.9	46
8	Nonvalence correlation-bound anion state of C ₆ F ₆ : doorway to low-energy electron capture. <i>Journal of Physical Chemistry A</i> , 2014 , 118, 7201-5	2.8	37

7	Nonvalence correlation-bound anion states of spherical fullerenes. <i>Nano Letters</i> , 2014 , 14, 4602-6	11.5	20
6	Existence of a Correlation Bound s-Type Anion State of C ₆₀ . <i>Journal of Physical Chemistry Letters</i> , 2013 , 4, 849-53	6.4	59
5	A self-consistent polarization potential model for describing excess electrons interacting with water clusters. <i>Journal of Physical Chemistry B</i> , 2013 , 117, 4365-70	3.4	29
4	An Assessment of the vdW-TS Method for Extended Systems. <i>Journal of Chemical Theory and Computation</i> , 2012 , 8, 1503-13	6.4	95
3	Benchmark Calculations of the Energies for Binding Excess Electrons to Water Clusters. <i>Journal of Chemical Theory and Computation</i> , 2012 , 8, 893-900	6.4	34
2	Bottom-up view of water network-mediated CO ₂ reduction using cryogenic cluster ion spectroscopy and direct dynamics simulations. <i>Journal of Physical Chemistry A</i> , 2012 , 116, 903-12	2.8	18
1	Density functional theory study of pyrophyllite and M-montmorillonites (M = Li, Na, K, Mg, and Ca): role of dispersion interactions. <i>Journal of Physical Chemistry A</i> , 2011 , 115, 9695-703	2.8	55