Vamsee K Voora

List of Publications by Citations

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	TURBOMOLE: Modular program suite for ab initio quantum-chemical and condensed-matter simulations. *Journal of Chemical Physics*, **2020**, 152, 184107	3.9	255
23	An Assessment of the vdW-TS Method for Extended Systems. *Journal of Chemical Theory and Computation*, **2012**, 8, 1503-13	6.4	95
22	Random-Phase Approximation Methods. *Annual Review of Physical Chemistry*, **2017**, 68, 421-445	15.7	80
21	Existence of a Correlation Bound s-Type Anion State of C60. *Journal of Physical Chemistry Letters*, **2013**, 4, 849-53	6.4	59
20	Comparisons of lanthanide/actinide +2 ions in a tris(aryloxide)arene coordination environment. *Chemical Science*, **2017**, 8, 7424-7433	9.4	57
19	Density functional theory study of pyrophyllite and M-montmorillonites (M = Li, Na, K, Mg, and Ca): role of dispersion interactions. *Journal of Physical Chemistry A*, **2011**, 115, 9695-703	2.8	55
18	Negative electron affinities from conventional electronic structure methods. *Theoretical Chemistry Accounts*, **2014**, 133, 1	1.9	46
17	Nonvalence correlation-bound anion state of C6F6: doorway to low-energy electron capture. *Journal of Physical Chemistry A*, **2014**, 118, 7201-5	2.8	37
16	Benchmark Calculations of the Energies for Binding Excess Electrons to Water Clusters. *Journal of Chemical Theory and Computation*, **2012**, 8, 893-900	6.4	34
15	Metal versus Ligand Reduction in Ln Complexes of a Mesitylene-Anchored Tris(Aryloxide) Ligand. *Inorganic Chemistry*, **2018**, 57, 2823-2833	5.1	31
14	Synthesis facilitates an understanding of the structural basis for translation inhibition by the lissoclimides. *Nature Chemistry*, **2017**, 9, 1140-1149	17.6	29
13	A self-consistent polarization potential model for describing excess electrons interacting with water clusters. *Journal of Physical Chemistry B*, **2013**, 117, 4365-70	3.4	29
12	Theoretical approaches for treating non-valence correlation-bound anions. *Journal of Chemical Physics*, **2017**, 147, 214114	3.9	25
11	Variational generalized Kohn-Sham approach combining the random-phase-approximation and Green's-function methods. *Physical Review A*, **2019**, 99,	2.6	22
10	Nonvalence correlation-bound anion states of spherical fullerenes. *Nano Letters*, **2014**, 14, 4602-6	11.5	20
9	Bottom-up view of water network-mediated CO2 reduction using cryogenic cluster ion spectroscopy and direct dynamics simulations. *Journal of Physical Chemistry A*, **2012**, 116, 903-12	2.8	18
8	Nonvalence Correlation-Bound Anion States of Polycyclic Aromatic Hydrocarbons. *Journal of Physical Chemistry Letters*, **2015**, 6, 3994-7	6.4	16

List of Publications

7	Assessment of Density Functional Theory in Predicting Interaction Energies between Water and Polycyclic Aromatic Hydrocarbons: from Water on Benzene to Water on Graphene. *Journal of Chemical Theory and Computation*, **2019**, 15, 2359-2374	6.4	13
6	Using Diamagnetic Yttrium and Lanthanum Complexes to Explore Ligand Reduction and C-H Bond Activation in a Tris(aryloxide)mesitylene Ligand System. *Inorganic Chemistry*, **2018**, 57, 12876-12884	5.1	13
5	Effective one-particle energies from generalized Kohn-Sham random phase approximation: A direct approach for computing and analyzing core ionization energies. *Journal of Chemical Physics*, **2019**, 151, 134106	3.9	10
4	Understanding the role of intermolecular interactions between lissoclimides and the eukaryotic ribosome. *Nucleic Acids Research*, **2019**, 47, 3223-3232	20.1	10
3	Application of electronic structure methods to coupled Drude oscillators. *Chemical Physics Letters*, **2015**, 630, 76-79	2.5	4
2	Molecular Electron Affinities Using the Generalized Kohn-Sham Semicanonical Projected Random Phase Approximation. *Journal of Physical Chemistry Letters*, **2021**, 12, 433-439	6.4	3
1	Exploring the Solvation of Acetic Acid in Water Using Liquid Jet X-ray Photoelectron Spectroscopy and Core Level Electron Binding Energy Calculations. *Journal of Physical Chemistry B*, **2021**, 125, 8862-8868	3.4	3