Vamsee K Voora

List of Publications by Year
in descending order

24	1,551	471477 17	610883 24
papers	citations	h-index	g-index

24	24	24	1876
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	TURBOMOLE: Modular program suite for ab initio quantum-chemical and condensed-matter simulations. Journal of Chemical Physics, 2020, 152, 184107.	3.0	616
2	Random-Phase Approximation Methods. Annual Review of Physical Chemistry, 2017, 68, 421-445.	10.8	127
3	An Assessment of the vdW-TS Method for Extended Systems. Journal of Chemical Theory and Computation, 2012, 8, 1503-1513.	5.3	112
4	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, 9695-9703.	2.5	75
5	Existence of a Correlation Bound s-Type Anion State of C₆₀. Journal of Physical Chemistry Letters, 2013, 4, 849-853.	4.6	71
6	Comparisons of lanthanide/actinide +2 ions in a tris(aryloxide)arene coordination environment. Chemical Science, 2017, 8, 7424-7433.	7.4	70
7	Nonvalence Correlation-Bound Anion State of C₆F₆: Doorway to Low-Energy Electron Capture. Journal of Physical Chemistry A, 2014, 118, 7201-7205.	2.5	51
8	Negative electron affinities from conventional electronic structure methods. Theoretical Chemistry Accounts, 2014, 133, 1.	1.4	50
9	Metal versus Ligand Reduction in Ln³⁺ Complexes of a Mesitylene-Anchored Tris(Aryloxide) Ligand. Inorganic Chemistry, 2018, 57, 2823-2833.	4.0	41
10	Benchmark Calculations of the Energies for Binding Excess Electrons to Water Clusters. Journal of Chemical Theory and Computation, 2012, 8, 893-900.	5.3	39
11	Variational generalized Kohn-Sham approach combining the random-phase-approximation and Green's-function methods. Physical Review A, 2019, 99, .	2.5	39
12	Synthesis facilitates an understanding of the structural basis for translation inhibition by the lissoclimides. Nature Chemistry, 2017, 9, 1140-1149.	13.6	36
13	A Self-Consistent Polarization Potential Model for Describing Excess Electrons Interacting with Water Clusters. Journal of Physical Chemistry B, 2013, 117, 4365-4370.	2.6	34
14	Theoretical approaches for treating non-valence correlation-bound anions. Journal of Chemical Physics, 2017, 147, 214114.	3.0	34
15	Nonvalence Correlation-Bound Anion States of Spherical Fullerenes. Nano Letters, 2014, 14, 4602-4606.	9.1	25
16	Nonvalence Correlation-Bound Anion States of Polycyclic Aromatic Hydrocarbons. Journal of Physical Chemistry Letters, 2015, 6, 3994-3997.	4.6	21
17	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, 903-912.	2.5	19
18	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.	5.3	18

#	Article	IF	Citations
19	Effective one-particle energies from generalized Kohnâ€“Sham random phase approximation: A direct approach for computing and analyzing core ionization energies. Journal of Chemical Physics, 2019, 151, 134106.	3.0	16
20	Using Diamagnetic Yttrium and Lanthanum Complexes to Explore Ligand Reduction and Câ€“H Bond Activation in a Tris(aryloxide)mesitylene Ligand System. Inorganic Chemistry, 2018, 57, 12876-12884.	4.0	15
21	Understanding the role of intermolecular interactions between lissoclimides and the eukaryotic ribosome. Nucleic Acids Research, 2019, 47, 3223-3232.	14.5	15
22	Molecular Electron Affinities Using the Generalized Kohnâ€“Sham Semicanonical Projected Random Phase Approximation. Journal of Physical Chemistry Letters, 2021, 12, 433-439.	4.6	13
23	Application of electronic structure methods to coupled Drude oscillators. Chemical Physics Letters, 2015, 630, 76-79.	2.6	8
24	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.	2.6	6