

# Vamsee K Voora

## List of Publications by Year in descending order

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24  
papers

1,551  
citations

471509

17  
h-index

610901

24  
g-index

24  
all docs

24  
docs citations

24  
times ranked

1876  
citing authors

#	ARTICLE	IF	CITATIONS
1	TURBOMOLE: Modular program suite for <i>ab initio</i> quantum-chemical and condensed-matter simulations. <i>Journal of Chemical Physics</i> , 2020, 152, 184107.	3.0	616
2	Random-Phase Approximation Methods. <i>Annual Review of Physical Chemistry</i> , 2017, 68, 421-445.	10.8	127
3	An Assessment of the vdW-TS Method for Extended Systems. <i>Journal of Chemical Theory and Computation</i> , 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. <i>Journal of Physical Chemistry A</i> , 2011, 115, 9695-9703.	2.5	75
5	Existence of a Correlation Bound <i>s</i> -Type Anion State of C <sub>60</sub> . <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 849-853.	4.6	71
6	Comparisons of lanthanide/actinide +2 ions in a tris(aryloxy)arene coordination environment. <i>Chemical Science</i> , 2017, 8, 7424-7433.	7.4	70
7	Nonvalence Correlation-Bound Anion State of C <sub>6</sub> F <sub>6</sub> : Doorway to Low-Energy Electron Capture. <i>Journal of Physical Chemistry A</i> , 2014, 118, 7201-7205.	2.5	51
8	Negative electron affinities from conventional electronic structure methods. <i>Theoretical Chemistry Accounts</i> , 2014, 133, 1.	1.4	50
9	Metal versus Ligand Reduction in Ln <sup>3+</sup> Complexes of a Mesitylene-Anchored Tris(Aryloxy) Ligand. <i>Inorganic Chemistry</i> , 2018, 57, 2823-2833.	4.0	41
10	Benchmark Calculations of the Energies for Binding Excess Electrons to Water Clusters. <i>Journal of Chemical Theory and Computation</i> , 2012, 8, 893-900.	5.3	39
11	Variational generalized Kohn-Sham approach combining the random-phase-approximation and Green's-function methods. <i>Physical Review A</i> , 2019, 99, .	2.5	39
12	Synthesis facilitates an understanding of the structural basis for translation inhibition by the lissoclimides. <i>Nature Chemistry</i> , 2017, 9, 1140-1149.	13.6	36
13	A Self-Consistent Polarization Potential Model for Describing Excess Electrons Interacting with Water Clusters. <i>Journal of Physical Chemistry B</i> , 2013, 117, 4365-4370.	2.6	34
14	Theoretical approaches for treating non-valence correlation-bound anions. <i>Journal of Chemical Physics</i> , 2017, 147, 214114.	3.0	34
15	Nonvalence Correlation-Bound Anion States of Spherical Fullerenes. <i>Nano Letters</i> , 2014, 14, 4602-4606.	9.1	25
16	Nonvalence Correlation-Bound Anion States of Polycyclic Aromatic Hydrocarbons. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 3994-3997.	4.6	21
17	Bottom-Up View of Water Network-Mediated CO <sub>2</sub> Reduction Using Cryogenic Cluster Ion Spectroscopy and Direct Dynamics Simulations. <i>Journal of Physical Chemistry A</i> , 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. <i>Journal of Chemical Theory and Computation</i> , 2019, 15, 2359-2374.	5.3	18

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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.	3.0	16
20	Using Diamagnetic Yttrium and Lanthanum Complexes to Explore Ligand Reduction and C–H Bond Activation in a Tris(aryloxy)mesitylene Ligand System. <i>Inorganic Chemistry</i> , 2018, 57, 12876-12884.	4.0	15
21	Understanding the role of intermolecular interactions between lissoclimides and the eukaryotic ribosome. <i>Nucleic Acids Research</i> , 2019, 47, 3223-3232.	14.5	15
22	Molecular Electron Affinities Using the Generalized Kohn–Sham Semicanonical Projected Random Phase Approximation. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 433-439.	4.6	13
23	Application of electronic structure methods to coupled Drude oscillators. <i>Chemical Physics Letters</i> , 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. <i>Journal of Physical Chemistry B</i> , 2021, 125, 8862-8868.	2.6	6