

# Raman Kumar Singh

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5800691/publications.pdf>

Version: 2024-02-01

11  
papers

203  
citations

1307594

7  
h-index

1281871

11  
g-index

11  
all docs

11  
docs citations

11  
times ranked

332  
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental and Theoretical Infrared Spectroscopic Study on Hydrated Nafion Membrane. <i>Macromolecules</i> , 2016, 49, 6621-6629.	4.8	58
2	Reaction energetics on long-range corrected density functional theory: Diels-Alder reactions. <i>Journal of Computational Chemistry</i> , 2013, 34, 379-386.	3.3	33
3	Theoretical Investigation of the H <sub>2</sub> O <sub>2</sub> -Induced Degradation Mechanism of Hydrated Nafion Membrane via Ether-Linkage Dissociation. <i>ACS Omega</i> , 2017, 2, 4053-4064.	3.5	29
4	Reactivity index based on orbital energies. <i>Journal of Computational Chemistry</i> , 2014, 35, 1093-1100.	3.3	18
5	Relationship between orbital energy gaps and excitation energies for long-chain systems. <i>Journal of Computational Chemistry</i> , 2016, 37, 1451-1462.	3.3	15
6	On low-lying excited states of extended nanographenes. <i>Journal of Computational Chemistry</i> , 2017, 38, 2020-2029.	3.3	15
7	Copper(II) and Nickel(II) Complexes of Tridentate Hydrazide and Schiff Base Ligands Containing Phenyl and Naphthalyl Groups: Synthesis, Structural, Molecular Docking and Density Functional Study. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2020, 30, 4426-4440.	3.7	12
8	Diagrams for comprehensive molecular orbital-based chemical reaction analyses: reactive orbital energy diagrams. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 14211-14222.	2.8	8
9	Hydration, Prediction of the $pK_a$ , and Infrared Spectroscopic Study of Sulfonated Polybenzophenone (SPK) Block-Copolymer Hydrocarbon Membranes and Comparisons with Nafion. <i>ACS Omega</i> , 2021, 6, 32739-32748.	3.5	7
10	Orbital Energy-Based Reaction Analysis of SN <sub>2</sub> Reactions. <i>Computation</i> , 2016, 4, 23.	2.0	5
11	Synthesis of Antibacterial Disulfide Derivatives and its Computational Molecular Docking Against Penicillin Binding Protein. <i>Analytical Chemistry Letters</i> , 2021, 11, 618-634.	1.0	3