

Iffat H Nayyar

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

710
citations

840776

11
h-index

996975

15
g-index

15
all docs

15
docs citations

15
times ranked

1305
citing authors

#	ARTICLE	IF	CITATIONS
1	An assessment of strategies for the development of solid-state adsorbents for vehicular hydrogen storage. <i>Energy and Environmental Science</i> , 2018, 11, 2784-2812.	30.8	162
2	Self-Trapping of Excitons, Violation of Condon Approximation, and Efficient Fluorescence in Conjugated Cycloparaphenylenes. <i>Nano Letters</i> , 2014, 14, 6539-6546.	9.1	142
3	Localization of Electronic Excitations in Conjugated Polymers Studied by DFT. <i>Journal of Physical Chemistry Letters</i> , 2011, 2, 566-571.	4.6	96
4	Comparison of TD-DFT Methods for the Calculation of Two-Photon Absorption Spectra of Oligophenylvinylenes. <i>Journal of Physical Chemistry C</i> , 2013, 117, 18170-18189.	3.1	68
5	Role of Geometric Distortion and Polarization in Localizing Electronic Excitations in Conjugated Polymers. <i>Journal of Chemical Theory and Computation</i> , 2013, 9, 1144-1154.	5.3	50
6	Design of a New Optical Material with Broad Spectrum Linear and Two-Photon Absorption and Solvatochromism. <i>Journal of Physical Chemistry C</i> , 2013, 117, 23133-23147.	3.1	48
7	Spectrally resolved hyperfine interactions between polaron and nuclear spins in organic light emitting diodes: Magneto-electroluminescence studies. <i>Applied Physics Letters</i> , 2014, 105, .	3.3	43
8	Two-Photon Absorption Spectrum of a Single Crystal Cyanine-like Dye. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 1222-1228.	4.6	27
9	Electronic and Optical Properties of a Semiconducting Spinel (Fe_2CrO_4). <i>Advanced Functional Materials</i> , 2017, 27, 1605040.	14.9	23
10	Effect of <i>trans</i> - and <i>cis</i> -isomeric defects on the localization of the charged excitations in π -conjugated organic polymers. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2013, 51, 935-942.	2.1	15
11	Electronic structure and optical properties of $\text{Fe}_{1-x}\text{V}_x\text{O}_3$ solid-solution thin films. <i>Applied Physics Letters</i> , 2015, 106, .	3.3	13
12	Solitonic waves in polyene dications and principles of charge carrier localization in π -conjugated organic materials. <i>International Journal of Quantum Chemistry</i> , 2012, 112, 2659-2667.	2.0	8
13	Analysis of Intermediates and Products from the Dehydrogenation of $\text{Mg}(\text{BH}_4)_2$. <i>Journal of Physical Chemistry A</i> , 2022, 126, 444-452.	2.5	6
14	Two-Photon Absorption Spectra Predicted by Semiempirical Methods. <i>Journal of Computational and Theoretical Nanoscience</i> , 2014, 11, 2208-2220.	0.4	5
15	Effect of doping and chemical ordering on the optoelectronic properties of complex oxides: Fe_2O_3 - V_2O_3 solid solutions and hetero-structures. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 1097-1107.	2.8	4