

# Iffat H Nayyar

## List of Publications by Year in descending order

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