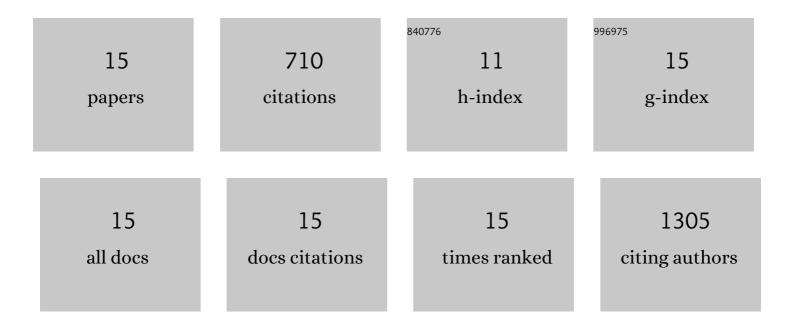
Iffat H Nayyar

List of Publications by Year in descending order

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ΙΓΕΛΤ Η ΝΑΥΥΛΡ

#	Article	IF	CITATIONS
1	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
2	Self-Trapping of Excitons, Violation of Condon Approximation, and Efficient Fluorescence in Conjugated Cycloparaphenylenes. Nano Letters, 2014, 14, 6539-6546.	9.1	142
3	Localization of Electronic Excitations in Conjugated Polymers Studied by DFT. Journal of Physical Chemistry Letters, 2011, 2, 566-571.	4.6	96
4	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
5	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
6	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
7	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
8	Two-Photon Absorption Spectrum of a Single Crystal Cyanine-like Dye. Journal of Physical Chemistry Letters, 2012, 3, 1222-1228.	4.6	27
9	Electronic and Optical Properties of a Semiconducting Spinel (Fe ₂ CrO ₄). Advanced Functional Materials, 2017, 27, 1605040.	14.9	23
10	Effect of <i>trans</i> ―and <i>cis</i> â€isomeric defects on the localization of the charged excitations in ï€â€conjugated organic polymers. Journal of Polymer Science, Part B: Polymer Physics, 2013, 51, 935-942.	2.1	15
11	Electronic structure and optical properties of α-(Fe1-xVx)2O3 solid-solution thin films. Applied Physics Letters, 2015, 106, .	3.3	13
12	Solitonic waves in polyene dications and principles of charge carrier localization in Ï€â€conjugated organic materials. International Journal of Quantum Chemistry, 2012, 112, 2659-2667.	2.0	8
13	Analysis of Intermediates and Products from the Dehydrogenation of Mg(BH ₄) ₂ . Journal of Physical Chemistry A, 2022, 126, 444-452.	2.5	6
14	Two-Photon Absorption Spectra Predicted by Semiempirical Methods. Journal of Computational and Theoretical Nanoscience, 2014, 11, 2208-2220.	0.4	5
15	Effect of doping and chemical ordering on the optoelectronic properties of complex oxides: Fe ₂ O ₃ –V ₂ O ₃ solid solutions and hetero-structures. Physical Chemistry Chemical Physics, 2017, 19, 1097-1107.	2.8	4