

Wenpeng Wu

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

352
citations

840776

11
h-index

839539

18
g-index

21
all docs

21
docs citations

21
times ranked

404
citing authors

#	ARTICLE	IF	CITATIONS
1	Theoretical insights into the ultrafast excited-state intramolecular proton transfer (ESIPT) mechanism in a series of amide-based N-H \cdots N hydrogen-bonding compounds. <i>Organic Electronics</i> , 2017, 45, 1-8.	2.6	42
2	Theoretical insights into the excited-state intramolecular proton transfer (ESIPT) mechanism in a series of amino-type hydrogen-bonding dye molecules bearing the 10-aminobenzo[h]quinoline chromophore. <i>Dyes and Pigments</i> , 2017, 141, 195-201.	3.7	34
3	Theoretical Design of Near-Infrared Al ³⁺ Fluorescent Probes Based on Salicylaldehyde Acylhydrazone Schiff Base Derivatives. <i>Inorganic Chemistry</i> , 2019, 58, 12618-12627.	4.0	31
4	First principles study of thieno[2,3-b]indole-based organic dyes for dye-sensitized solar cells: Screen novel π -linkers and explore the interface between photosensitizers and TiO ₂ . <i>Journal of Power Sources</i> , 2016, 326, 193-202.	7.8	30
5	Theoretical studies on absorption, emission, and resonance Raman spectra of Coumarin 343 isomers. <i>Journal of Chemical Physics</i> , 2012, 136, 114305.	3.0	26
6	A rational design of hole-transport small molecules based on fluorene with different modified groups for organic lead-halide perovskite solar cells. <i>Dyes and Pigments</i> , 2018, 154, 275-281.	3.7	25
7	Thieno[2,3-b]indole-based organic dyes for dye-sensitized solar cells: Effect of π -linker on the performance of isolated dye and interface between dyes and TiO ₂ . <i>Organic Electronics</i> , 2016, 38, 61-68.	2.6	23
8	First principles study on interface between dual-channel anchorable organic dyes and TiO ₂ for dye-sensitized solar cells. <i>Dyes and Pigments</i> , 2018, 149, 908-914.	3.7	22
9	Constructive effects of the interfacial properties: A strategy to design hole transport materials for high performance perovskite solar cells. <i>Organic Electronics</i> , 2018, 62, 591-597.	2.6	22
10	To design high efficient red-emitting iridium complexes by variation of ancillary ligand: Emissive rule and quantum yield. <i>Organic Electronics</i> , 2017, 49, 360-367.	2.6	16
11	Star-shaped Molecules as Dopant-free Hole Transporting Materials for Efficient Perovskite Solar Cells: Multiscale Simulation. <i>Chemical Record</i> , 2019, 19, 938-946.	5.8	16
12	Effect of TiO ₂ particles on normal and resonance Raman spectra of coumarin 343: a theoretical investigation. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 10910-10918.	2.8	9
13	Theoretical study on the vibrationally resolved spectra and quantum yield of blue phosphorescent iridium(III) complexes with 2-(4-fluoro-3-(trifluoromethyl)-phenyl)pyridine as the cyclometalated ligand. <i>Organic Electronics</i> , 2018, 61, 125-133.	2.6	9
14	Theoretical insights into the 1D charge transport properties in a series of hexaazatrinaphthylene-based discotic molecules. <i>Journal of Computational Chemistry</i> , 2018, 39, 773-779.	3.3	8
15	Theoretical investigation of the vibronic phosphorescence spectra and quantum yields for iridium(III) complexes with 2-(2,5,2,3,4,5,6-heptafluoro-biphenyl-4-yl)-pyridine as the primary ligand. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 216, 179-189.	3.9	8
16	Aggregation-induced luminescence enhancement, anion sensing, solvent-selective fluorescence quenching of arylpyrazoline fluorescent probe. <i>Dyes and Pigments</i> , 2022, 198, 110014.	3.7	8
17	Dicyanomethylene-4H-pyran based Schiff base for turn on NIR fluorescence sensing of Fe ³⁺ , Al ³⁺ and Cr ³⁺ and its application in molecular logic gate. <i>Optical Materials</i> , 2022, 130, 112568.	3.6	8
18	Rational design of D- π -A organic dyes to prevent π - π stacking effect in dye-sensitized solar cells. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 221, 117167.	3.9	5

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19	DFT/TD-DFT study on spectroscopic properties of zinc(II), nickel(II), and palladium(II) metal complexes with a thiourea derivative. Journal of the Serbian Chemical Society, 2016, 81, 1263-1272.	0.8	4
20	Theoretical design of azaacene-based non-fullerene electron transport material used in inverted perovskite solar cells. Molecular Physics, 2019, 117, 303-310.	1.7	3
21	Improving the electron transport performance by changing side chains in sulfur-containing azaacenes: a combined theoretical investigation on free molecules and an adsorption system. New Journal of Chemistry, 2019, 43, 5414-5422.	2.8	3