Wenpeng Wu

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4240075/publications.pdf

Version: 2024-02-01

21	352	840776 11	839539 18
papers	citations	h-index	g-index

21	21	21	404
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Aggregation-induced luminescence enhancement, anion sensing, solvent-selective fluorescence quenching of arylpyrazoline fluorescent probe. Dyes and Pigments, 2022, 198, 110014.	3.7	8
2	Dicyanomethylene-4H-pyran based Schiff base for turn on NIR fluorescence sensing of Fe3+, Al3+ and Cr3+ and its application in molecular logic gate. Optical Materials, 2022, 130, 112568.	3.6	8
3	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
4	Theoretical Design of Near-Infrared Al³⁺ Fluorescent Probes Based on Salicylaldehyde Acylhydrazone Schiff Base Derivatives. Inorganic Chemistry, 2019, 58, 12618-12627.	4.0	31
5	Rational design of D-Ï€-A organic dyes to prevent â€œtrade offâ€•effect in dye-sensitized solar cells. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 221, 117167.	3.9	5
6	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
7	Theoretical investigation of the vibronic phosphorescence spectra and quantum yields for iridium(III) complexes with 2-(2,5,2â€²,3â€²,4â€²,5â€²,6â€²-heptafluoro-biphenyl-4-yl)-pyridine as the primary ligand. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 216, 179-189.	3.9	8
8	Starâ€Shaped Molecules as Dopantâ€Free Hole Transporting Materials for Efficient Perovskite Solar Cells: Multiscale Simulation. Chemical Record, 2019, 19, 938-946.	5.8	16
9	Theoretical insights into the 1Dâ€charge transport properties in a series of hexaazatrinaphthyleneâ€based discotic molecules. Journal of Computational Chemistry, 2018, 39, 773-779.	3.3	8
10	A rational design of hole-transport small molecules based on fluorene with different modified groups for organic lead-halide perovskite solar cells. Dyes and Pigments, 2018, 154, 275-281.	3.7	25
11	First principles study on interface between dual-channel anchorable organic dyes and TiO2 for dye-sensitized solar cells. Dyes and Pigments, 2018, 149, 908-914.	3.7	22
12	Constructive effects of the interfacial properties: A strategy to design hole transport materials for high performance perovskite solar cells. Organic Electronics, 2018, 62, 591-597.	2.6	22
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. Organic Electronics, 2018, 61, 125-133.	2.6	9
14	Theoretical insights into the ultrafast excited-state intramolecular proton transfer (ESIPT) mechanism in a series of amide-based N Hâ‹¯N hydrogen-bonding compounds. Organic Electronics, 2017, 45, 1-8.	2.6	42
15	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. Dyes and Pigments, 2017, 141, 195-201.	3.7	34
16	To design high efficient red-emitting iridium complexes by variation of ancillary ligand: Emissive rule and quantum yield. Organic Electronics, 2017, 49, 360-367.	2.6	16
17	First principles study of thieno[2,3-b]indole-based organic dyes for dye-sensitized solar cells: Screen novel Ï€-linkers and explore the interface between photosensitizers and TiO2. Journal of Power Sources, 2016, 326, 193-202.	7.8	30
18	Thieno[2,3-b]indole-based organic dyes for dye-sensitized solar cells: Effect of Ï€-linker on the performance of isolated dye and interface between dyes and TiO2. Organic Electronics, 2016, 38, 61-68.	2.6	23

#	Article	IF	Citations
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	Effect of TiO₂particles on normal and resonance Raman spectra of coumarin 343: a theoretical investigation. Physical Chemistry Chemical Physics, 2015, 17, 10910-10918.	2.8	9
21	Theoretical studies on absorption, emission, and resonance Raman spectra of Coumarin 343 isomers. Journal of Chemical Physics, 2012, 136, 114305.	3.0	26