

Di Wu

List of Publications by Year in descending order

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36
papers

3,279
citations

411340

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388640

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docs citations

36
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4134
citing authors

#	ARTICLE	IF	CITATIONS
1	The Synthesis of Asymmetric Perylene Diimide Acceptors and Their Optoelectronic Properties Studies. <i>European Journal of Organic Chemistry</i> , 2022, 2022, .	1.2	3
2	Promoting the photovoltaic performance and stability of organic solar cells by imidazole-doped PEDOT:PSS. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 12083-12092.	1.1	2
3	Boosting the Photovoltaic Performance and Thermal Stability of Organic Solar Cells via an Insulating Fluoropolymer Additive. <i>ChemPlusChem</i> , 2022, 87, e202200045.	1.3	1
4	Structural symmetry-breaking of a perylene diimide acceptor at the N-position for enhanced photovoltaic performance. <i>New Journal of Chemistry</i> , 2022, 46, 9851-9857.	1.4	7
5	Achieving Symmetry-Breaking Charge Separation in Perylenediimide Trimers: The Effect of Bridge Resonance. <i>Journal of Physical Chemistry B</i> , 2022, 126, 3758-3767.	1.2	8
6	Asymmetrical and symmetrical naphthalene monoimide fused perylene diimide acceptors for organic solar cells. <i>Tetrahedron</i> , 2022, , 132818.	1.0	1
7	Femtosecond Laser-Assisted Device Engineering: Toward Organic Field-Effect Transistor-Based High-Performance Gas Sensors. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 32299-32307.	4.0	6
8	Tetraphenylethylene vs triphenylethylene core-based perylene diimide acceptor for non-fullerene organic solar cells. <i>Dyes and Pigments</i> , 2021, 184, 108813.	2.0	11
9	Molecular Regulation on Carbonyl-Based Organic Cathodes: Toward High-Rate and Long-Lifespan Potassium ⁺ Organic Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 16396-16406.	4.0	26
10	PDI hexamer based on combination of direct and indirect linkage manners for non-fullerene organic solar cells. <i>Chemistry - an Asian Journal</i> , 2021, 16, 3767-3773.	1.7	3
11	Synthesis and characterization of a BN-embedded nine-ring fused heteroaromatics with dual channel detection of fluoride anions. <i>Dyes and Pigments</i> , 2021, 194, 109648.	2.0	3
12	A sensitive and selective fluorescence probe for the detection of superoxide radical anion in vivo based on a protection-deprotection process. <i>Dyes and Pigments</i> , 2021, 194, 109614.	2.0	7
13	Unfused vs fused thienoazacoronene-cored perylene diimide oligomer based acceptors for non-fullerene organic solar cells. <i>Dyes and Pigments</i> , 2021, 196, 109833.	2.0	6
14	A perylene diimide electron acceptor with a triphenylamine core: promoting photovoltaic performance via hot spin-coating. <i>Journal of Materials Chemistry C</i> , 2020, 8, 2135-2141.	2.7	24
15	Ï-Extension, Selenium Incorporation, and Trimerization: ðThree in Oneð for Efficient Perylene Diimide Oligomer-Based Organic Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 9528-9536.	4.0	23
16	Tuning Biradical Character to Enable High and Balanced Ambipolar Charge Transport in a Quinoidal Ï-System. <i>Organic Letters</i> , 2020, 22, 2553-2558.	2.4	21
17	BN-embedded eleven-ring fused heteroaromatics: Synthesis, optoelectronic properties and fluoride susceptibility. <i>Dyes and Pigments</i> , 2020, 177, 108271.	2.0	9
18	Design Principles, Sensing Mechanisms, and Applications of Highly Specific Fluorescent Probes for HOCl/OCl ⁻ . <i>Accounts of Chemical Research</i> , 2019, 52, 2158-2168.	7.6	285

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19	Ring fusion attenuates the device performance: star-shaped long helical perylene diimide based non-fullerene acceptors. <i>Journal of Materials Chemistry C</i> , 2019, 7, 9564-9572.	2.7	25
20	Isomeric Effect on Optoelectronic Properties and Photovoltaic Performance of Anthraquinone- π -Core Perylene Diimide (PDI) and Helical PDI dimers. <i>Chemistry - A European Journal</i> , 2019, 25, 12137-12144.	1.7	16
21	Two-Photon Fluorescence Probe for Selective Monitoring of Superoxide in Live Cells and Tissues. <i>Analytical Chemistry</i> , 2019, 91, 14691-14696.	3.2	30
22	π -Extension improves the photovoltaic performance: a helical perylene diimide oligomer based three-dimensional non-fullerene acceptor. <i>Materials Chemistry Frontiers</i> , 2019, 3, 2414-2420.	3.2	15
23	A two-photon fluorescent probe for colorimetric and ratiometric monitoring of mercury in live cells and tissues. <i>Chemical Communications</i> , 2019, 55, 1766-1769.	2.2	91
24	High performance PDI based ternary organic solar cells fabricated with non-halogenated solvent. <i>Organic Electronics</i> , 2019, 73, 205-211.	1.4	29
25	A two-photon ESIPT based fluorescence probe for specific detection of hypochlorite. <i>Dyes and Pigments</i> , 2018, 158, 526-532.	2.0	67
26	An ESIPT fluorescent probe and a nanofiber platform for selective and sensitive detection of a nerve gas mimic. <i>Chemical Communications</i> , 2018, 54, 2276-2279.	2.2	68
27	N-heterocyclic Carbene Boranes as Reactive Oxygen Species-Responsive Materials: Application to the Two-Photon Imaging of Hypochlorous Acid in Living Cells and Tissues. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 1567-1571.	7.2	127
28	N-heterocyclic Carbene Boranes as Reactive Oxygen Species-Responsive Materials: Application to the Two-Photon Imaging of Hypochlorous Acid in Living Cells and Tissues. <i>Angewandte Chemie</i> , 2018, 130, 1583-1587.	1.6	26
29	Recent progress in the development of organic dye based near-infrared fluorescence probes for metal ions. <i>Coordination Chemistry Reviews</i> , 2018, 354, 74-97.	9.5	280
30	Recent Advances in the Development of Chromophore-Based Chemosensors for Nerve Agents and Phosgene. <i>ACS Sensors</i> , 2018, 3, 27-43.	4.0	193
31	Cycloparaphenylenes (CPPs): An Overview of Synthesis, Properties, and Potential Applications. <i>Asian Journal of Organic Chemistry</i> , 2018, 7, 2161-2181.	1.3	87
32	An ESIPT-Based Fluorescence Probe for Colorimetric, Ratiometric, and Selective Detection of Phosgene in Solutions and the Gas Phase. <i>Analytical Chemistry</i> , 2017, 89, 12596-12601.	3.2	98
33	Fluorescent chemosensors: the past, present and future. <i>Chemical Society Reviews</i> , 2017, 46, 7105-7123.	18.7	1,436
34	A Far-Red-Emitting Fluorescence Probe for Sensitive and Selective Detection of Peroxynitrite in Live Cells and Tissues. <i>Analytical Chemistry</i> , 2017, 89, 10924-10931.	3.2	117
35	Fluorescent Probes Containing Selenium as a Guest or Host. <i>CheM</i> , 2016, 1, 674-698.	5.8	74
36	A colorimetric and ratiometric fluorescent probe for mercury (II) in lysosome. <i>Sensors and Actuators B: Chemical</i> , 2016, 224, 907-914.	4.0	54