

Xingzhu Wang

List of Publications by Year in descending order

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19
papers

411
citations

933447

10
h-index

839539

18
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19
all docs

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docs citations

19
times ranked

801
citing authors

#	ARTICLE	IF	CITATIONS
1	Study of Arylamine-Substituted Porphyrins as Hole-Transporting Materials in High-Performance Perovskite Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 13231-13239.	8.0	97
2	Structural engineering of porphyrin-based small molecules as donors for efficient organic solar cells. <i>Chemical Science</i> , 2016, 7, 4301-4307.	7.4	72
3	A visible-near-infrared absorbing A ₂ -D ₁ -A ₂ type dimeric-porphyrin donor for high-performance organic solar cells. <i>Journal of Materials Chemistry A</i> , 2017, 5, 25460-25468.	10.3	45
4	Dithienosilole-bridged small molecules with different alkyl group substituents for organic solar cells exhibiting high open-circuit voltage. <i>Journal of Materials Chemistry A</i> , 2013, 1, 7622.	10.3	38
5	Chemically driven supramolecular self-assembly of porphyrin donors for high-performance organic solar cells. <i>Journal of Materials Chemistry A</i> , 2018, 6, 14675-14680.	10.3	27
6	Influence of the spacer and molecular weight on the phase behavior of side-chain liquid crystalline polymers containing triphenylene discotic mesogen units as side groups. <i>Polymer Chemistry</i> , 2014, 5, 6558-6568.	3.9	24
7	Synthesis and Characterization of Novel Mesogen-Jacketed Liquid Crystalline Miktoarm Star Rod-Coil Block Copolymer. <i>Macromolecular Rapid Communications</i> , 2006, 27, 51-56.	3.9	21
8	Alkoxythiophene and alkylthiothiophene π -bridges enhance the performance of A-D-A electron acceptors. <i>Materials Chemistry Frontiers</i> , 2019, 3, 492-495.	5.9	21
9	Ethylenedioxythiophene incorporated diketopyrrolopyrrole conjugated polymers for high-performance organic electrochemical transistors. <i>Journal of Materials Chemistry C</i> , 2021, 9, 4260-4266.	5.5	19
10	Effect of mesogenic density on liquid-crystalline behaviours of polymethacrylates bearing azobenzene mesogen. <i>Liquid Crystals</i> , 2010, 37, 435-443.	2.2	14
11	Enhanced light-harvesting of benzodithiophene conjugated porphyrin electron donors in organic solar cells. <i>Journal of Materials Chemistry C</i> , 2019, 7, 380-386.	5.5	11
12	Synthesis and Characterization of a Novel Diblock Copolymer with a Polyrotaxane Block. <i>Polymer Bulletin</i> , 2008, 61, 53-62.	3.3	4
13	Adjustable electrical characteristics in hybrid Si/PEDOT:PSS core/shell nanowire hetero-junctions. <i>Journal of Materials Chemistry C</i> , 2017, 5, 3932-3936.	5.5	4
14	Steady Enhancement in Photovoltaic Properties of Fluorine Functionalized Quinoxaline-Based Narrow Bandgap Polymer. <i>Molecules</i> , 2019, 24, 54.	3.8	4
15	Panchromatic Terthiophenyl-benzodithiophene Conjugated Porphyrin Donor for Efficient Organic Solar Cells. <i>Journal of Materials Chemistry C</i> , 0, , .	5.5	3
16	Hole transport layer free bulk heterojunction organic solar cells with high work function ITO anodes. <i>AIP Advances</i> , 2018, 8, 095027.	1.3	2
17	Efficient Polymer Solar Cells Based on New Random Copolymers with Porphyrin Incorporated Side Chains. <i>Macromolecular Chemistry and Physics</i> , 2020, 221, 1900446.	2.2	2
18	Effects of Side-Chain Engineering with the S Atom in Thieno[3,2-b]thiophene-porphyrin to Obtain Small-Molecule Donor Materials for Organic Solar Cells. <i>Molecules</i> , 2021, 26, 6134.	3.8	2

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19	Improved silicon/PEDOT:PSS core/shell nanowire hetero-junction for organic-inorganic hybrid solar cells. Japanese Journal of Applied Physics, 2019, 58, 020907.	1.5	1