

Zhenggang Huang

List of Publications by Year in descending order

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16
papers

1,119
citations

623734

14
h-index

940533

16
g-index

16
all docs

16
docs citations

16
times ranked

1979
citing authors

#	ARTICLE	IF	CITATIONS
1	Silaindacenodithiophene-Based Low Band Gap Polymers – The Effect of Fluorine Substitution on Device Performances and Film Morphologies. <i>Advanced Functional Materials</i> , 2012, 22, 1663-1670.	14.9	177
2	The Influence of Polymer Purification on Photovoltaic Device Performance of a Series of Indacenodithiophene Donor Polymers. <i>Advanced Materials</i> , 2013, 25, 2029-2034.	21.0	129
3	Morphological Stability and Performance of Polymer-Fullerene Solar Cells under Thermal Stress: The Impact of Photoinduced PC ₆₀ BM Oligomerization. <i>ACS Nano</i> , 2014, 8, 1297-1308.	14.6	122
4	Performance enhancement of fullerene-based solar cells by light processing. <i>Nature Communications</i> , 2013, 4, 2227.	12.8	119
5	Photovoltaic and field effect transistor performance of selenophene and thiophene diketopyrrolopyrrole co-polymers with dithienothiophene. <i>Journal of Materials Chemistry</i> , 2012, 22, 12817.	6.7	92
6	Thieno[3,2-b]thiophene-diketopyrrolopyrrole Containing Polymers for Inverted Solar Cells Devices with High Short Circuit Currents. <i>Advanced Functional Materials</i> , 2013, 23, 5647-5654.	14.9	78
7	Synthesis of novel thieno[3,2-b]thienobis(silolothiophene) based low bandgap polymers for organic photovoltaics. <i>Chemical Communications</i> , 2012, 48, 7699.	4.1	63
8	BPTs: thiophene-flanked benzodipyrrolidone conjugated polymers for ambipolar organic transistors. <i>Chemical Communications</i> , 2013, 49, 4465.	4.1	63
9	Dual Function Additives: A Small Molecule Crosslinker for Enhanced Efficiency and Stability in Organic Solar Cells. <i>Advanced Energy Materials</i> , 2015, 5, 1401426.	19.5	61
10	Isostructural, Deeper Highest Occupied Molecular Orbital Analogues of Poly(3-hexylthiophene) for High-Open Circuit Voltage Organic Solar Cells. <i>Chemistry of Materials</i> , 2013, 25, 4239-4249.	6.7	55
11	Germaindacenodithiophene based low band gap polymers for organic solar cells. <i>Chemical Communications</i> , 2012, 48, 2955.	4.1	53
12	Towards optimisation of photocurrent from fullerene excitons in organic solar cells. <i>Energy and Environmental Science</i> , 2014, 7, 1037.	30.8	42
13	Optimisation of diketopyrrolopyrrole:fullerene solar cell performance through control of polymer molecular weight and thermal annealing. <i>Journal of Materials Chemistry A</i> , 2014, 2, 19282-19289.	10.3	25
14	Dihydropyrroloindole-dione-based copolymers for organic electronics. <i>Journal of Materials Chemistry C</i> , 2013, 1, 2711.	5.5	19
15	Power conversion efficiency enhancement in diketopyrrolopyrrole based solar cells through polymer fractionation. <i>Journal of Materials Chemistry C</i> , 2014, 2, 8593-8598.	5.5	14
16	Alkyl side-chain branching point effects in thieno[3,4-c]pyrrole-4,6-dione copolymers. <i>Journal of Organic Semiconductors</i> , 2013, 1, 30-35.	1.2	7