

Huidong Zang

List of Publications by Year in descending order

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papers

867
citations

516710

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642732

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times ranked

1895
citing authors

#	ARTICLE	IF	CITATIONS
1	Thick-Shell CuInS ₂ /ZnS Quantum Dots with Suppressed "Blinking" and Narrow Single-Particle Emission Line Widths. Nano Letters, 2017, 17, 1787-1795.	9.1	179
2	Polyaniline/TiO ₂ solar cells. Synthetic Metals, 2006, 156, 721-723.	3.9	89
3	Nonradiative Energy Transfer from Individual CdSe/ZnS Quantum Dots to Single-Layer and Few-Layer Tin Disulfide. ACS Nano, 2016, 10, 4790-4796.	14.6	87
4	Precise Structural Development and its Correlation to Function in Conjugated Polymer: Fullerene Thin Films by Controlled Solvent Annealing. Advanced Functional Materials, 2013, 23, 1701-1710.	14.9	65
5	Intra-Molecular Donor-Acceptor Interaction Effects on Charge Dissociation, Charge Transport, and Charge Collection in Bulk-Heterojunction Organic Solar Cells. Advanced Energy Materials, 2011, 1, 923-929.	19.5	58
6	The impact of controlled solvent exposure on the morphology, structure and function of bulk heterojunction solar cells. Solar Energy Materials and Solar Cells, 2012, 107, 112-124.	6.2	48
7	Using Perovskite Nanoparticles as Halide Reservoirs in Catalysis and as Spectrochemical Probes of Ions in Solution. ACS Nano, 2016, 10, 5864-5872.	14.6	43
8	Magneto-Optical Investigations on the Formation and Dissociation of Intermolecular Charge-Transfer Complexes at Donor-Acceptor Interfaces in Bulk-Heterojunction Organic Solar Cells. Journal of Physical Chemistry B, 2010, 114, 5704-5709.	2.6	35
9	Origin of the fill factor loss in bulk-heterojunction organic solar cells. Applied Physics Letters, 2014, 104, .	3.3	32
10	Surface-charge accumulation effects on open-circuit voltage in organic solar cells based on photoinduced impedance analysis. Physical Chemistry Chemical Physics, 2014, 16, 4971-4976.	2.8	31
11	Core size dependent hole transfer from a photoexcited CdSe/ZnS quantum dot to a conductive polymer. Chemical Communications, 2014, 50, 5958-5960.	4.1	28
12	Magneto-Dielectric Effects Induced by Optically-Generated Intermolecular Charge-Transfer States in Organic Semiconducting Materials. Scientific Reports, 2013, 3, 2812.	3.3	25
13	Hybrid quantum dot-tin disulfide field-effect transistors with improved photocurrent and spectral responsivity. Applied Physics Letters, 2016, 108, .	3.3	23
14	Solar energy-conversion processes in organic solar cells. Jom, 2008, 60, 49-53.	1.9	22
15	0D-2D and 1D-2D Semiconductor Hybrids Composed of All Inorganic Perovskite Nanocrystals and Single-Layer Graphene with Improved Light Harvesting. Particle and Particle Systems Characterization, 2018, 35, 1700310.	2.3	22
16	Dielectric Interface Effects on Surface Charge Accumulation and Collection towards High-Efficiency Organic Solar Cells. Journal of Applied Physics, 2014, 115, 154506.	2.5	19
17	Charge trapping and de-trapping in isolated CdSe/ZnS nanocrystals under an external electric field: indirect evidence for a permanent dipole moment. Nanoscale, 2015, 7, 14897-14905.	5.6	15
18	Convex corners undercutting and rhombus compensation in KOH with and without IPA solution on (110) silicon. Microelectronics Journal, 2006, 37, 1297-1301.	2.0	10

#	ARTICLE	IF	CITATIONS
19	Spin Radical Enhanced Magnetocapacitance Effect in Intermolecular Excited States. Journal of Physical Chemistry B, 2013, 117, 14136-14140.	2.6	10
20	Electron transfer dynamics from single near infrared emitting lead sulfide-cadmium sulfide nanocrystals to titanium dioxide. Nanoscale, 2017, 9, 14664-14671.	5.6	8
21	Optically tunable spin-exchange energy at donor:acceptor interfaces in organic solar cells. Applied Physics Letters, 2014, 105, .	3.3	7
22	Magnetic Studies of Photovoltaic Processes in Organic Solar Cells. IEEE Journal of Selected Topics in Quantum Electronics, 2010, 16, 1801-1806.	2.9	6
23	Addressing dynamic photovoltaic processes at electrode:active layer and donor:acceptor interfaces in organic solar cells under device-operating conditions. Science China Chemistry, 2015, 58, 239-247.	8.2	5
24	Fabrication of the slanted electrode matrix on tilting 4.5° (1 1 1) silicon. Optik, 2008, 119, 23-28.	2.9	0
25	Perovskite Nanomaterials: 0D and 1D Semiconductor Hybrids Composed of All Inorganic Perovskite Nanocrystals and Single-Layer Graphene with Improved Light Harvesting (Part. Part. Syst. Tj ETQq1 1 0.384314 ogBT /Over		