

Huidong Zang

List of Publications by Year in descending order

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25
papers

867
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| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | 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 0.384314ogBT /Over | 2.3 | 22 |
| 2 | 0D and 1D 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 |
| 3 | 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 |
| 4 | Electron transfer dynamics from single near infrared emitting lead sulfide-cadmium sulfide nanocrystals to titanium dioxide. Nanoscale, 2017, 9, 14664-14671. | 5.6 | 8 |
| 5 | Hybrid quantum dot-tin disulfide field-effect transistors with improved photocurrent and spectral responsivity. Applied Physics Letters, 2016, 108, . | 3.3 | 23 |
| 6 | 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 |
| 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 | 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 |
| 9 | 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 |
| 10 | Optically tunable spin-exchange energy at donor:acceptor interfaces in organic solar cells. Applied Physics Letters, 2014, 105, . | 3.3 | 7 |
| 11 | Origin of the fill factor loss in bulk-heterojunction organic solar cells. Applied Physics Letters, 2014, 104, . | 3.3 | 32 |
| 12 | 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 |
| 13 | 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 |
| 14 | 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 |
| 15 | Magneto-Dielectric Effects Induced by Optically-Generated Intermolecular Charge-Transfer States in Organic Semiconducting Materials. Scientific Reports, 2013, 3, 2812. | 3.3 | 25 |
| 16 | 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 |
| 17 | Spin Radical Enhanced Magnetocapacitance Effect in Intermolecular Excited States. Journal of Physical Chemistry B, 2013, 117, 14136-14140. | 2.6 | 10 |
| 18 | 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 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | Intra-Molecular Donor-Acceptor Interaction Effects on Charge Dissociation, Charge Transport, and Charge Collection in Bulk-Heterojunction Organic Solar Cells. <i>Advanced Energy Materials</i> , 2011, 1, 923-929. | 19.5 | 58 |
| 20 | Magnetic Studies of Photovoltaic Processes in Organic Solar Cells. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2010, 16, 1801-1806. | 2.9 | 6 |
| 21 | Magneto-Optical Investigations on the Formation and Dissociation of Intermolecular Charge-Transfer Complexes at Donor-Acceptor Interfaces in Bulk-Heterojunction Organic Solar Cells. <i>Journal of Physical Chemistry B</i> , 2010, 114, 5704-5709. | 2.6 | 35 |
| 22 | Solar energy-conversion processes in organic solar cells. <i>Jom</i> , 2008, 60, 49-53. | 1.9 | 22 |
| 23 | Fabrication of the slanted electrode matrix on tilting 4.5° (1 1 1) silicon. <i>Optik</i> , 2008, 119, 23-28. | 2.9 | 0 |
| 24 | Polyaniline/TiO2 solar cells. <i>Synthetic Metals</i> , 2006, 156, 721-723. | 3.9 | 89 |
| 25 | Convex corners undercutting and rhombus compensation in KOH with and without IPA solution on (110) silicon. <i>Microelectronics Journal</i> , 2006, 37, 1297-1301. | 2.0 | 10 |