

Jungwoo Heo

List of Publications by Year in descending order

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17
papers

445
citations

840776

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h-index

940533

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times ranked

933
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Designing a naphthyridinedione-based conjugated polymer for thickness-tolerant high efficiency polymer solar cells. <i>Journal of Materials Chemistry A</i> , 2021, 9, 10846-10854. | 10.3 | 7 |
| 2 | Modeling and implementation of tandem polymer solar cells using wide-bandgap front cells. , 2020, 2, 131-142. | | 9 |
| 3 | High colloidal stability ZnO nanoparticles independent on solvent polarity and their application in polymer solar cells. <i>Scientific Reports</i> , 2020, 10, 18055. | 3.3 | 25 |
| 4 | Defect-Induced <i>In Situ</i> Atomic Doping in Transition Metal Dichalcogenides via Liquid-Phase Synthesis toward Efficient Electrochemical Activity. <i>ACS Nano</i> , 2020, 14, 17114-17124. | 14.6 | 26 |
| 5 | Functionalized PFN-X (X = Cl, Br, or I) for Balanced Charge Carriers of Highly Efficient Blue Light-Emitting Diodes. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 35740-35747. | 8.0 | 31 |
| 6 | Morphological and Optical Engineering for High-Performance Polymer Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 4705-4711. | 8.0 | 6 |
| 7 | Synergistic combination of amorphous indium oxide with tantalum pentoxide for efficient electron transport in low-power electronics. <i>Journal of Materials Chemistry C</i> , 2019, 7, 4559-4566. | 5.5 | 6 |
| 8 | Influence of the Crystalline Nature of Small Donors Molecules on the Efficiency and Stability of Organic Photovoltaic Devices. <i>Solar Rrl</i> , 2018, 2, 1700235. | 5.8 | 11 |
| 9 | Highly efficient polymer solar cells with a thienopyrroledione and benzodithiophene containing planar random copolymer. <i>Polymer Chemistry</i> , 2018, 9, 1216-1222. | 3.9 | 19 |
| 10 | Nanoparticle-Enhanced Silver-Nanowire Plasmonic Electrodes for High-Performance Organic Optoelectronic Devices. <i>Advanced Materials</i> , 2018, 30, e1800659. | 21.0 | 67 |
| 11 | Formamidinium-based planar heterojunction perovskite solar cells with alkali carbonate-doped zinc oxide layer. <i>RSC Advances</i> , 2018, 8, 24110-24115. | 3.6 | 10 |
| 12 | Implementation of Low-Power Electronic Devices Using Solution-Processed Tantalum Pentoxide Dielectric. <i>Advanced Functional Materials</i> , 2018, 28, 1704215. | 14.9 | 17 |
| 13 | A universal processing additive for high-performance polymer solar cells. <i>RSC Advances</i> , 2017, 7, 7476-7482. | 3.6 | 58 |
| 14 | Efficiency Exceeding 11% in Tandem Polymer Solar Cells Employing High Open-Circuit Voltage Wide-Bandgap π -Conjugated Polymers. <i>Advanced Energy Materials</i> , 2017, 7, 1700782. | 19.5 | 24 |
| 15 | Peroptronic devices: perovskite-based light-emitting solar cells. <i>Energy and Environmental Science</i> , 2017, 10, 1950-1957. | 30.8 | 41 |
| 16 | Photocurrent Extraction Efficiency near Unity in a Thick Polymer Bulk Heterojunction. <i>Advanced Functional Materials</i> , 2016, 26, 3324-3330. | 14.9 | 48 |
| 17 | Dithienogermole-Containing Small-Molecule Solar Cells with 7.3% Efficiency: In-Depth Study on the Effects of Heteroatom Substitution of Si with Ge. <i>Advanced Energy Materials</i> , 2015, 5, 1402044. | 19.5 | 40 |