

Riski Titian Ginting

List of Publications by Year in descending order

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papers

917
citations

516561

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454834

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times ranked

1779
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#	ARTICLE	IF	CITATIONS
1	A novel design of hybrid transparent electrodes for high performance and ultra-flexible bifunctional electrochromic-supercapacitors. <i>Nano Energy</i> , 2018, 53, 650-657.	8.2	135
2	Plasmonic Effect of Gold Nanostars in Highly Efficient Organic and Perovskite Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 36111-36118.	4.0	82
3	Degradation mechanism of planar-perovskite solar cells: correlating evolution of iodine distribution and photocurrent hysteresis. <i>Journal of Materials Chemistry A</i> , 2017, 5, 4527-4534.	5.2	69
4	Flexible, large-area, all-solid-state supercapacitors using spray deposited PEDOT:PSS/reduced-graphene oxide. <i>Electrochimica Acta</i> , 2018, 270, 37-47.	2.6	62
5	Low-temperature operation of perovskite solar cells: With efficiency improvement and hysteresis-less. <i>Nano Energy</i> , 2016, 27, 569-576.	8.2	54
6	Highly stable and efficient inverted organic solar cells based on low-temperature solution-processed PEIE and ZnO bilayers. <i>Journal of Materials Chemistry A</i> , 2016, 4, 3784-3791.	5.2	53
7	Ultra-Smooth, Fully Solution-Processed Large-Area Transparent Conducting Electrodes for Organic Devices. <i>Scientific Reports</i> , 2016, 6, 36475.	1.6	50
8	Automated room temperature optical absorbance CO sensor based on In-doped ZnO nanorod. <i>Sensors and Actuators B: Chemical</i> , 2017, 248, 140-152.	4.0	46
9	Controlled Defects of Fluorine-incorporated ZnO Nanorods for Photovoltaic Enhancement. <i>Scientific Reports</i> , 2016, 6, 32645.	1.6	44
10	Solution-Processed Ga-Doped ZnO Nanorod Arrays as Electron Acceptors in Organic Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 5308-5318.	4.0	40
11	Improvement of inverted type organic solar cells performance by incorporating Mg dopant into hydrothermally grown ZnO nanorod arrays. <i>Journal of Alloys and Compounds</i> , 2014, 585, 696-702.	2.8	31
12	A Simple Approach Low-Temperature Solution Process for Preparation of Bismuth-Doped ZnO Nanorods and Its Application in Hybrid Solar Cells. <i>Journal of Physical Chemistry C</i> , 2016, 120, 771-780.	1.5	31
13	Dual Light Trapping and Water-Repellent Effects of a Flexible-Based Inverse Micro-Cone Array for Organic and Perovskite Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 31291-31299.	4.0	31
14	Tunable Plasmon-Induced Charge Transport and Photon Absorption of Bimetallic Au@Ag Nanoparticles on ZnO Photoanode for Photoelectrochemical Enhancement under Visible Light. <i>Journal of Physical Chemistry C</i> , 2020, 124, 14105-14117.	1.5	23
15	Facile preparation of MXene and protonated-g-C ₃ N ₄ on natural latex foam for highly efficient solar steam generation. <i>Materials Letters</i> , 2022, 313, 131779.	1.3	23
16	Novel strategy of highly efficient solar-driven water evaporation using MWCNTs-ZrO ₂ -Ni@CQDs composites as photothermal materials. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 642, 128653.	2.3	21
17	Mechanistic study on highly crystalline (002) plane bounded ZnO nanofilms prepared via direct current magnetron sputtering. <i>Materials Letters</i> , 2015, 161, 83-88.	1.3	14
18	Fast microwave-assisted synthesis of copper nanowires as reusable high-performance transparent conductive electrode. <i>Current Applied Physics</i> , 2020, 20, 205-211.	1.1	14

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19	Novel hydrothermal approach to functionalize self-oriented twin ZnO nanotube arrays. <i>Materials Letters</i> , 2016, 165, 75-78.	1.3	13
20	Sodium cholate as efficient green reducing agent for graphene oxide via flow reaction for flexible supercapacitor electrodes. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 19182-19188.	1.1	13
21	Two-dimensional CdS intercalated ZnO nanorods: a concise study on interfacial band structure modification. <i>RSC Advances</i> , 2016, 6, 52395-52402.	1.7	12
22	All-solid-state flexible supercapacitor based on spray-printed polyester/PEDOT:PSS electrodes. <i>Molecular Crystals and Liquid Crystals</i> , 2018, 660, 135-142.	0.4	11
23	One-step synthesis of configurational-entropy In-doped Zn(O,S)/Zn-doped In(OH) ₃ -xS _x composite for visible-light photocatalytic hydrogen evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 29926-29939.	3.8	10
24	Enhanced adsorption performance of chitosan/cellulose nanofiber isolated from durian peel waste/graphene oxide nanocomposite hydrogels. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2022, 17, 100650.	1.7	8
25	MEH-PPV and PCBM Solution Concentration Dependence of Inverted-Type Organic Solar Cells Based on Eosin-Y-Coated ZnO Nanorod Arrays. <i>International Journal of Photoenergy</i> , 2013, 2013, 1-8.	1.4	6
26	A mechanistic study of silver nanostructure incorporating reduced graphene oxide <i>via</i> a flow synthesis approach. <i>New Journal of Chemistry</i> , 2020, 44, 1439-1445.	1.4	4
27	Active Layer Spin Coating Speed Dependence of Inverted Organic Solar Cell Based on Eosin-Y-Coated ZnO Nanorod Arrays. <i>Journal of Physics: Conference Series</i> , 2013, 431, 012016.	0.3	3
28	Enhanced photovoltaic performance of CdS-sensitized inverted organic solar cells prepared via a successive ionic layer adsorption and reaction method. <i>AIP Conference Proceedings</i> , 2017, , .	0.3	3
29	Synergy study on charge transport dynamics in hybrid organic solar cell: Photocurrent mapping and performance analysis under local spectrum. <i>Current Applied Physics</i> , 2018, 18, 1564-1570.	1.1	3
30	Impact of short-time annealing of methylammonium lead iodide on the performance of perovskite solar cells prepared under a high humidity condition. <i>Molecular Crystals and Liquid Crystals</i> , 2018, 660, 79-84.	0.4	3
31	Influence of poly(2-methoxy-5-(2-ethyl-hexyloxy-p-phenylene vinylene):(6,6)-phenyl C61 butyric acid methyl ester blend ratio on the performance of inverted type organic solar cells based on Eosin-Y-coated ZnO nanorod arrays. <i>Thin Solid Films</i> , 2013, 536, 286-290.	0.8	2
32	Surface modification of ZnO nanorods with CdS quantum dots for application in inverted organic solar cells: effect of deposition duration. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 2601-2609.	1.1	2
33	Tailoring the photovoltaic performance of inverted hybrid solar cells by replacing PEDOT:PSS with V2O ₅ as hole-extraction layer. <i>AIP Conference Proceedings</i> , 2016, , .	0.3	1
34	Effect of Eosin-Y Coating Temperature on the Performance of Inverted Bulk Heterojunction Organic Solar Cells. <i>Advanced Materials Research</i> , 0, 501, 199-203.	0.3	0
35	Preparation of patterned graphene-ZnO hybrid nanoflower and nanorods on ITO surface. , 2013, , .		0
36	Impedance spectroscopy characterization of inverted type organic solar cells based on poly(3-hexylthiophene-2,5-diyl). , 2013, , .		0