

Baofu Ding

List of Publications by Year in descending order

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54
papers

2,031
citations

331670

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docs citations

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times ranked

3034
citing authors

#	ARTICLE	IF	CITATIONS
1	2D Functional Minerals as Sustainable Materials for Magneto-Optics. <i>Advanced Materials</i> , 2022, 34, e2110464.	21.0	26
2	Sustainable and high-performance Zn dual-ion batteries with a hydrogel-based water-in-salt electrolyte. <i>Energy Storage Materials</i> , 2022, 47, 187-194.	18.0	33
3	A 2D material-based transparent hydrogel with engineerable interference colours. <i>Nature Communications</i> , 2022, 13, 1212.	12.8	37
4	Viscous Solvent-Assisted Planetary Ball Milling for the Scalable Production of Large Ultrathin Two-Dimensional Materials. <i>ACS Nano</i> , 2022, 16, 10179-10187.	14.6	26
5	Angstrom-confined catalytic water purification within Co-TiO _x laminar membrane nanochannels. <i>Nature Communications</i> , 2022, 13, .	12.8	97
6	Manipulating Electrocatalysis using Mosaic Catalysts. <i>Small Science</i> , 2021, 1, 2000059.	9.9	15
7	Largely Tunable Magneto-Coloration of Monolayer 2D Materials via Size Tailoring. <i>ACS Nano</i> , 2021, 15, 9445-9452.	14.6	7
8	Catalyst-Free Growth of Atomically Thin Bi ₂ O ₂ Se Nanoribbons for High-Performance Electronics and Optoelectronics. <i>Advanced Functional Materials</i> , 2021, 31, 2101170.	14.9	23
9	Independent thickness and lateral size sorting of two-dimensional materials. <i>Science China Materials</i> , 2021, 64, 2739-2746.	6.3	4
10	Collective Behavior Induced Highly Sensitive Magneto-Optic Effect in 2D Inorganic Liquid Crystals. <i>Journal of the American Chemical Society</i> , 2021, 143, 12886-12893.	13.7	12
11	A Scalable Artificial Neuron Based on Ultrathin Two-Dimensional Titanium Oxide. <i>ACS Nano</i> , 2021, 15, 15123-15131.	14.6	25
12	Unsaturated Single Atoms on Monolayer Transition Metal Dichalcogenides for Ultrafast Hydrogen Evolution. <i>ACS Nano</i> , 2020, 14, 767-776.	14.6	106
13	Giant magneto-birefringence effect and tuneable colouration of 2D crystal suspensions. <i>Nature Communications</i> , 2020, 11, 3725.	12.8	28
14	High-Fidelity Transfer of 2D Bi ₂ O ₂ Se and Its Mechanical Properties. <i>Advanced Functional Materials</i> , 2020, 30, 2004960.	14.9	31
15	Magneto-Optic effect of two-dimensional materials and related applications. <i>Nano Select</i> , 2020, 1, 298-310.	3.7	30
16	Highly crystalline CsPbI ₂ Br films for efficient perovskite solar cells via compositional engineering. <i>RSC Advances</i> , 2019, 9, 30534-30540.	3.6	7
17	Crystallization process of perovskite modified by adding lead acetate in precursor solution for better morphology and higher device efficiency. <i>Organic Electronics</i> , 2017, 43, 189-195.	2.6	14
18	Mesoporous MnCo ₂ O _{4.5} nanoneedle arrays electrode for high-performance asymmetric supercapacitor application. <i>Chemical Engineering Journal</i> , 2017, 315, 491-499.	12.7	83

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19	Quantum conductance in MoS ₂ quantum dots-based nonvolatile resistive memory device. Applied Physics Letters, 2017, 110, .	3.3	43
20	Tuning Magneto-photocurrent between Positive and Negative Polarities in Perovskite Solar Cells. Journal of Physical Chemistry C, 2017, 121, 9537-9542.	3.1	8
21	Mechanism for bipolar resistive switching memory behaviors of a self-assembled three-dimensional MoS ₂ microsphere composed active layer. Journal of Applied Physics, 2017, 121, .	2.5	34
22	Impact of additive residue on the photodegradation of high performance polymer solar cells. Organic Electronics, 2017, 49, 226-233.	2.6	9
23	Simple in-situ growth of layered Ni ₃ S ₂ thin film electrode for the development of high-performance supercapacitors. Applied Surface Science, 2017, 399, 432-439.	6.1	21
24	Investigation of the behaviour of electronic resistive switching memory based on MoSe ₂ -doped ultralong Se microwires. Applied Physics Letters, 2016, 109, .	3.3	86
25	Efficient perovskite solar cell fabricated in ambient air using one-step spin-coating. RSC Advances, 2016, 6, 43299-43303.	3.6	52
26	Impact of alkyl chain length of 1,n-diiodoalkanes on PC71BM distribution in both bulk and air surface of PTB7:PC71BM film. Organic Electronics, 2016, 37, 358-365.	2.6	9
27	Synergetic Effect of Three-Dimensional Co ₃ O ₄ @Co(OH) ₂ Hybrid Nanostructure for Electrochemical Energy Storage. Electrochimica Acta, 2016, 215, 298-304.	5.2	31
28	Encapsulation of Tandem Organic Luminescence Solar Concentrator With Optically Transparent Triple Layers of SiO ₂ /Epoxy/SiO ₂ . IEEE Journal of Selected Topics in Quantum Electronics, 2016, 22, 82-87.	2.9	8
29	The effect of an external electric field on thermally-deposited thin CdS/CdTe-based solar cells. International Journal of Modern Physics B, 2015, 29, 1550238.	2.0	0
30	A simple method to experimentally determine the accurate RC-constant in nanosecond timescale transient photocurrent measurements on organic solar cells. RSC Advances, 2015, 5, 103403-103409.	3.6	2
31	PEIE capped ZnO as cathode buffer layer with enhanced charge transfer ability for high efficiency polymer solar cells. Synthetic Metals, 2015, 203, 243-248.	3.9	31
32	Evidences of photocurrent generation by hole-exciton interaction at organic semiconductor interfaces. Organic Electronics, 2015, 26, 75-80.	2.6	3
33	A simple and cost effective experimental method for verifying singlet fission in pentacene-C ₆₀ solar cells. RSC Advances, 2015, 5, 29718-29722.	3.6	5
34	A cost-effective, long-lifetime efficient organic luminescent solar concentrator. Journal of Applied Physics, 2015, 118, 015502.	2.5	12
35	Simultaneous monitoring of singlet and triplet exciton variations in solid organic semiconductors driven by an external static magnetic field. Applied Physics Letters, 2014, 105, 013304.	3.3	3
36	Room-temperature spin-polarized organic light-emitting diodes with a single ferromagnetic electrode. Applied Physics Letters, 2014, 104, .	3.3	5

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37	High-efficiency inverted polymer solar cells controlled by the thickness of polyethylenimine ethoxylated (PEIE) interfacial layers. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 23792-23799.	2.8	56
38	A reduced electron-extraction barrier at an interface between a polymer poly(3-hexylthiophene) layer and an indium tin oxide layer. <i>Organic Electronics</i> , 2013, 14, 457-463.	2.6	4
39	Buffer-enhanced electron injection in organic light-emitting devices with copper cathode. <i>Organic Electronics</i> , 2013, 14, 511-515.	2.6	11
40	Plasmonic Electrically Functionalized TiO ₂ for High-Performance Organic Solar Cells. <i>Advanced Functional Materials</i> , 2013, 23, 4255-4261.	14.9	138
41	High contrast tandem organic light emitting devices. <i>Applied Physics Letters</i> , 2012, 101, 133305.	3.3	10
42	High-Contrast Tandem Organic Light-Emitting Devices Employing Semitransparent Intermediate Layers of LiF/Al/C ₆₀ . <i>Journal of Physical Chemistry C</i> , 2012, 116, 24690-24694.	3.1	13
43	LiF Layer at the Interface of Au Cathode in Organic Light-Emitting Devices: A Nonchemical Induced Carrier Injection Enhancement. <i>Journal of Physical Chemistry C</i> , 2012, 116, 2543-2547.	3.1	30
44	Charge dynamics in solar cells with a blend of π -conjugated polymer-fullerene studied by transient photo-generated voltage. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 8397.	2.8	3
45	Dual Plasmonic Nanostructures for High Performance Inverted Organic Solar Cells. <i>Advanced Materials</i> , 2012, 24, 3046-3052.	21.0	654
46	Using Magneto-Electroluminescence As a Fingerprint to Identify the Carrier-to-Photon Conversion Process in Dye-Doped OLEDs. <i>Journal of Physical Chemistry C</i> , 2011, 115, 20295-20300.	3.1	13
47	Determination of capacitance-voltage characteristics of organic semiconductor devices by combined current-voltage and voltage decay measurements. <i>Science China Technological Sciences</i> , 2011, 54, 826-829.	4.0	9
48	A combined theoretical and experimental investigation on the transient photovoltage in organic photovoltaic cells. <i>Applied Physics Letters</i> , 2010, 96, .	3.3	16
49	Magnetic field modulated exciton generation in organic semiconductors: An intermolecular quantum correlated effect. <i>Physical Review B</i> , 2010, 82, .	3.2	20
50	Photoemission study of C ₆₀ -induced barrier reduction for hole injection at N,N'-bis(naphthalene-1-yl)-N,N'-bis(phenyl) benzidine/Al. <i>Journal of Applied Physics</i> , 2009, 105, 106105.	2.5	6
51	Loss and recovery of bistability of organic bistable devices. <i>Organic Electronics</i> , 2009, 10, 965-969.	2.6	9
52	Delayed-switch-on effect in metal-insulator-metal organic memories. <i>Applied Physics Letters</i> , 2007, 91, 143511.	3.3	25
53	Modification of the organic/La _{0.7} Sr _{0.3} MnO ₃ interface by in situ gas treatment. <i>Applied Surface Science</i> , 2007, 253, 9081-9084.	6.1	9
54	Small-molecular organic solar cells with C ₆₀ /Al composite anode. <i>Organic Electronics</i> , 2007, 8, 445-449.	2.6	39