

Bin Hu

List of Publications by Year in descending order

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217
papers

8,276
citations

71061

41
h-index

60583

81
g-index

220
all docs

220
docs citations

220
times ranked

9854
citing authors

#	ARTICLE	IF	CITATIONS
1	Giant magneto field effect in up-conversion amplified spontaneous emission via spatially extended states in organic-inorganic hybrid perovskites. <i>Opto-Electronic Advances</i> , 2022, 5, 200051-200051.	6.4	7
2	Magnetic Field Effects in Hybrid Organic-Inorganic Perovskites. , 2022, , 113-136.		0
3	Origin of Defects and Positron Annihilation in Hybrid and All-Inorganic Perovskites. <i>Chemistry of Materials</i> , 2022, 34, 297-306.	3.2	7
4	Exploiting the full advantages of colloidal perovskite nanocrystals for large-area efficient light-emitting diodes. <i>Nature Nanotechnology</i> , 2022, 17, 590-597.	15.6	81
5	Enabling AC electroluminescence in quasi-2D perovskites by uniformly arranging different-n-value nanoplates to allow bidirectional charge transport. <i>Nano Energy</i> , 2021, 79, 105413.	8.2	8
6	Ïfa€Conjugation and Hâ€Bondâ€Directed Supramolecular Selfâ€Assembly: Key Features for Efficient Longâ€Lived Room Temperature Phosphorescent Organic Molecular Crystals. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 2446-2454.	7.2	29
7	Direct Observation of Photoinduced Ion Migration in Lead Halide Perovskites. <i>Advanced Functional Materials</i> , 2021, 31, 2008777.	7.8	41
8	Ïfa€Conjugation and Hâ€Bondâ€Directed Supramolecular Selfâ€Assembly: Key Features for Efficient Longâ€Lived Room Temperature Phosphorescent Organic Molecular Crystals. <i>Angewandte Chemie</i> , 2021, 133, 2476-2484.	1.6	9
9	Improved Radiation Sensing with Methylammonium Lead Tribromide Perovskite Semiconductors. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2021, 986, 164710.	0.7	10
10	Comprehensive defect suppression in perovskite nanocrystals for high-efficiency light-emitting diodes. <i>Nature Photonics</i> , 2021, 15, 148-155.	15.6	590
11	Revealing longâ€range orbitâ€orbit interaction between coherent light-emitting excitons occurring in amplified spontaneous emission in CsPbBr ₃ microstructures. <i>Journal of Materials Chemistry C</i> , 2021, 9, 6034-6039.	2.7	3
12	A graphical guide for constructing a finite element model of the cervical spine with digital orthopedic software. <i>Annals of Translational Medicine</i> , 2021, 9, 169-169.	0.7	13
13	Enhancing the mechanical properties of SCF/PEEK composites in FDM via process-parameter optimization. <i>High Performance Polymers</i> , 2021, 33, 914-923.	0.8	13
14	Strain in Metal Halide Perovskites: The Critical Role of A-Site Cation. <i>ACS Applied Energy Materials</i> , 2021, 4, 2068-2072.	2.5	14
15	Slow Hot-Carrier Cooling Enabled by Uniformly Arranging Different- <i>n</i> -Value Nanoplates in Quasi-2D Perovskites through Long-Range Orbitâ€Orbit Interaction toward Enhancing Photovoltaic Actions. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 4072-4078.	2.1	7
16	Optically Induced Static Magnetization in Metal Halide Perovskite for Spinâ€Related Optoelectronics. <i>Advanced Science</i> , 2021, 8, 2004488.	5.6	14
17	Ferroelectric and Charge Transport Properties in Strain-Engineered Two-Dimensional Lead Iodide Perovskites. <i>Chemistry of Materials</i> , 2021, 33, 4077-4088.	3.2	10
18	Spin-orbital coupling and slow phonon effects enabled persistent photoluminescence in organic crystal under isomer doping. <i>Nature Communications</i> , 2021, 12, 3485.	5.8	8

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19	Aligning Transition Dipole Moment toward Light Amplification and Polarized Emission in Hybrid Perovskites. <i>Advanced Optical Materials</i> , 2021, 9, 2100984.	3.6	4
20	A modified rotating isosceles triangle osteotomy using a 3D-printed patient-specific guide for the treatment of cubitus varus in children: a case report and literature review. <i>Translational Pediatrics</i> , 2021, 10, 215-222.	0.5	2
21	Packing-Shape Effects of Optical Properties in Amplified Spontaneous Emission through Dynamics of Orbit-Orbit Polarization Interaction in Hybrid Perovskite Quantum Dots Based on Self-Assembly. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 11894-11901.	2.1	3
22	Mechanically tuning spin-orbit coupling effects in organic-inorganic hybrid perovskites. <i>Nano Energy</i> , 2020, 67, 104285.	8.2	6
23	Concave and Convex Bending Influenced Mechanical Stability in Flexible Perovskite Solar Cells. <i>Journal of Physical Chemistry C</i> , 2020, 124, 2340-2345.	1.5	14
24	Unveiling the underlying mechanism of record-high efficiency organic near-infrared photodetector harnessing a single-component photoactive layer. <i>Materials Horizons</i> , 2020, 7, 1171-1179.	6.4	17
25	Surface Modification of SnO ₂ via MAPbI ₃ Nanowires for a Highly Efficient Non-Fullerene Acceptor-Based Organic Solar Cell. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 5120-5127.	4.0	28
26	Exploring Orbit-Orbit Interaction in Relationship to Photoluminescence Quantum Efficiency in Perovskite Quantum Dots through Rashba Effect. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 1-6.	2.1	19
27	Self-Stimulated Dissociation in Non-Fullerene Organic Bulk-Heterojunction Solar Cells. <i>Joule</i> , 2020, 4, 2443-2457.	11.7	35
28	Stabilization of Blue Emitters with Thermally Activated Delayed Fluorescence by the Steric Effect: A Case Study by means of Magnetic Field Effects. <i>Physical Review Applied</i> , 2020, 14, .	1.5	16
29	External Field-Tunable Internal Orbit-Orbit Interaction in Flexible Perovskites. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 10323-10328.	2.1	2
30	Doping Induced Orbit-Orbit Interaction between Excitons While Enhancing Photovoltaic Performance in Tin Perovskite Solar Cells. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 6996-7001.	2.1	10
31	Exploring Light Polarization Effects of Photovoltaic Actions in Organic-Inorganic Hybrid Perovskites with Asymmetric and Symmetric Unit Structures. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 38054-38060.	4.0	2
32	Identifying Photoinduced Dipolar Polarization and Orbit-Orbit Interaction between Excitons in Organic-Inorganic Hybrid Perovskites. <i>Advanced Functional Materials</i> , 2020, 30, 2003476.	7.8	9
33	Establishing charge-transfer excitons in 2D perovskite heterostructures. <i>Nature Communications</i> , 2020, 11, 2618.	5.8	58
34	Optomechanical Effects Occurring in a Hybrid Metal-Halide Perovskite Single Crystal Based on Photoinduced Resonant Ultrasound Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 5407-5411.	2.1	0
35	Identifying Different Spin Mixing Channels Occurring in Charge-Transfer States. <i>Journal of Physical Chemistry C</i> , 2020, 124, 14832-14837.	1.5	6
36	Revealing photoinduced bulk polarization and spin-orbit coupling effects in high-efficiency 2D/3D Pb-Sn alloyed perovskite solar cells. <i>Nano Energy</i> , 2020, 76, 104999.	8.2	20

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37	Twin domains modulate light-matter interactions in metal halide perovskites. <i>APL Materials</i> , 2020, 8, .	2.2	17
38	PEDOT:PSS and Ni-based thermoelectric generator for solar thermal energy conversion. <i>Journal of Materials Chemistry C</i> , 2020, 8, 3914-3922.	2.7	17
39	Enhancing Device Performance in Quasi-2D Perovskite ((BA) ₂ (MA) ₃ Pb ₄ I ₁₃) Solar Cells Using PbCl ₂ Additives. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 11190-11196.	4.0	35
40	Exploring mechanisms for generating spin-orbital coupling through donor-acceptor design to realize spin flipping in thermally activated delayed fluorescence. <i>Journal of Materials Chemistry C</i> , 2020, 8, 3395-3401.	2.7	21
41	Strain-Chemical Gradient and Polarization in Metal Halide Perovskites. <i>Advanced Electronic Materials</i> , 2020, 6, 1901235.	2.6	19
42	Tuning spin-orbit coupling towards enhancing photocurrent in hybrid organic-inorganic perovskites by using mixed organic cations. <i>Organic Electronics</i> , 2020, 81, 105671.	1.4	10
43	Extremely Long Spin Lifetime of Light-Emitting States in Quasi-2D Perovskites through Orbit-Orbit Interaction. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 3647-3652.	2.1	17
44	Multi-Model Imaging of Local Chemistry and Ferroic Properties of Hybrid Organic-Inorganic Perovskites. <i>Microscopy and Microanalysis</i> , 2019, 25, 2076-2077.	0.2	3
45	Polarization effects of transition dipoles on photoluminescence and photocurrent in organic-inorganic hybrid perovskites. <i>Nano Energy</i> , 2019, 65, 104004.	8.2	7
46	Spin-Polarized Electronic Transport through Ferromagnet/Organic-Inorganic Hybrid Perovskite Spinterfaces at Room Temperature. <i>Advanced Materials Interfaces</i> , 2019, 6, 1900718.	1.9	21
47	Fundamental Thermoelectric Properties in Organic Heterojunctions from Molecular to Thin-Film and Hybrid Designs. <i>Advanced Electronic Materials</i> , 2019, 5, 1800877.	2.6	5
48	Exploring Deep and Shallow Trap States in a Non-Fullerene Acceptor ITIC-Based Organic Bulk Heterojunction Photovoltaic System. <i>Journal of Physical Chemistry C</i> , 2019, 123, 20691-20697.	1.5	15
49	Substrate-Dependent Spin-Orbit Coupling in Hybrid Perovskite Thin Films. <i>Advanced Functional Materials</i> , 2019, 29, 1904046.	7.8	23
50	Ferroic twin domains in metal halide perovskites. <i>MRS Advances</i> , 2019, 4, 2817-2830.	0.5	7
51	Uniform Permutation of Quasi-2D Perovskites by Vacuum Poling for Efficient, High-Fill-Factor Solar Cells. <i>Joule</i> , 2019, 3, 3061-3071.	11.7	177
52	Two-Photon Up-Conversion Photoluminescence Realized through Spatially Extended Gap States in Quasi-2D Perovskite Films. <i>Advanced Materials</i> , 2019, 31, 1901240.	11.1	23
53	Revealing the Cooperative Relationship between Spin, Energy, and Polarization Parameters toward Developing High-Efficiency Exciplex Light-Emitting Diodes. <i>Advanced Materials</i> , 2019, 31, e1904114.	11.1	49
54	Light-Ferroic Interaction in Hybrid Organic-Inorganic Perovskites. <i>Advanced Optical Materials</i> , 2019, 7, 1901451.	3.6	24

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55	Using Mechanical Stress to Investigate the Rashba Effect in Organic-Inorganic Hybrid Perovskites. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 5446-5450.	2.1	6
56	Enabling Self-passivation by Attaching Small Grains on Surfaces of Large Grains toward High-Performance Perovskite LEDs. <i>IScience</i> , 2019, 19, 378-387.	1.9	26
57	Insight into the reaction mechanism of water, oxygen and nitrogen molecules on a tin iodine perovskite surface. <i>Journal of Materials Chemistry A</i> , 2019, 7, 5779-5793.	5.2	40
58	Poly(ethylene oxide)-assisted energy funneling for efficient perovskite light emission. <i>Journal of Materials Chemistry C</i> , 2019, 7, 8287-8293.	2.7	11
59	Magnetic field effects on excited states, charge transport, and electrical polarization in organic semiconductors in spin and orbital regimes. <i>Advances in Physics</i> , 2019, 68, 49-121.	35.9	57
60	Tuning Charge Generation Process of Rylene Imide-Based Solar Cells via Chalcogen-Atom-Annulation. <i>Chemistry of Materials</i> , 2019, 31, 3636-3643.	3.2	22
61	Amplified Spontaneous Emission Realized by Cogrowing Large/Small Grains with Self-Passivating Defects and Aligning Transition Dipoles. <i>Advanced Optical Materials</i> , 2019, 7, 1900345.	3.6	19
62	Methylammonium lead tribromide semiconductors: Ionizing radiation detection and electronic properties. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2019, 927, 401-406.	0.7	37
63	Deep levels, charge transport and mixed conductivity in organometallic halide perovskites. <i>Energy and Environmental Science</i> , 2019, 12, 1413-1425.	15.6	60
64	Investigating underlying mechanism in spectral narrowing phenomenon induced by microcavity in organic light emitting diodes. <i>Nature Communications</i> , 2019, 10, 1614.	5.8	33
65	Environmental Gating and Galvanic Effects in Single Crystals of Organic-Inorganic Halide Perovskites. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 14722-14733.	4.0	14
66	Spin-Dependent Electron-Hole Recombination and Dissociation in Nonfullerene Acceptor ITIC-Based Organic Photovoltaic Systems. <i>Solar Rrl</i> , 2019, 3, 1900063.	3.1	16
67	Bismuth Doping-Induced Stable Seebeck Effect Based on MAPbI ₃ Polycrystalline Thin Films. <i>Advanced Functional Materials</i> , 2019, 29, 1900615.	7.8	42
68	Improved Radiation Sensing with Methylammonium Lead Bromide Perovskite Semiconductors. , 2019, , .		1
69	Light-Ferroic Interaction: Light-Ferroic Interaction in Hybrid Organic-Inorganic Perovskites (<i>Advanced Optical Materials</i> 23/2019). <i>Advanced Optical Materials</i> , 2019, 7, 1970090.	3.6	1
70	Reply to: On the ferroelectricity of CH ₃ NH ₃ PbI ₃ perovskites. <i>Nature Materials</i> , 2019, 18, 1051-1053.	13.3	21
71	Enhanced Seebeck Effect of a MAPbBr ₃ Single Crystal by an Organic and a Metal Modified Layer. <i>Advanced Electronic Materials</i> , 2019, 5, 1800759.	2.6	16
72	A Distributed Hybrid Event-Time-Driven Scheme for Optimization Over Sensor Networks. <i>IEEE Transactions on Industrial Electronics</i> , 2019, 66, 7199-7208.	5.2	13

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73	Photoexcitation-Controllable Magnetization in Magnetic ²⁺ Semiconducting Nanohybrid Containing Fe_2O_3 -Graphene ($0D \times 2D$) van der Waals Heterostructure Based on Steady-State Pump-Probe Light Scattering Measurement in Magnetic Field. <i>Journal of Physical Chemistry C</i> , 2018, 122, 6912-6917.	1.5	3
74	Introducing optically polarizable molecules into perovskite solar cells by simultaneously enhanced spin-orbital coupling, suppressed non-radiative recombination and improved transport balance towards enhancing photovoltaic actions. <i>Journal of Materials Chemistry C</i> , 2018, 6, 6164-6171.	2.7	18
75	Enhancing Photovoltaic Performance of Inverted Planar Perovskite Solar Cells by Cobalt-Doped Nickel Oxide Hole Transport Layer. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 14153-14159.	4.0	71
76	Unraveling surface and bulk trap states in lead halide perovskite solar cells using impedance spectroscopy. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 095501.	1.3	21
77	Exploring Anomalous Polarization Dynamics in Organometallic Halide Perovskites. <i>Advanced Materials</i> , 2018, 30, 1705298.	11.1	44
78	Exploring the role of spin-triplets and trap states in photovoltaic processes of perovskite solar cells. <i>Journal of Materials Chemistry C</i> , 2018, 6, 5055-5062.	2.7	10
79	Sign reversal of magneto-capacitance in an organic heterojunction based opto-spintronic system. <i>Journal of Materials Chemistry C</i> , 2018, 6, 4671-4676.	2.7	10
80	All-acrylic superelastomers: facile synthesis and exceptional mechanical behavior. <i>Polymer Chemistry</i> , 2018, 9, 160-168.	1.9	18
81	Precursor purity effects on solution-based growth of MAPbBr_3 single crystals towards efficient radiation sensing. <i>CrystEngComm</i> , 2018, 20, 7818-7825.	1.3	43
82	Effect of Bathocuproine Organic Additive on Optoelectronic Properties of Highly Efficient Methylammonium Lead Bromide Perovskite Light-Emitting Diodes. <i>ACS Applied Energy Materials</i> , 2018, 1, 6992-6998.	2.5	20
83	Improving photovoltaic performance of inverted planar structure perovskite solar cells via introducing photogenerated dipoles in the electron transport layer. <i>Organic Electronics</i> , 2018, 63, 137-142.	1.4	15
84	Revisiting the Impact of Interfacial Transport Layers on Organic Bulk Heterojunction Systems. <i>ACS Applied Energy Materials</i> , 2018, 1, 3457-3468.	2.5	7
85	Giant current amplification induced by ion migration in perovskite single crystal photodetectors. <i>Journal of Materials Chemistry C</i> , 2018, 6, 8042-8050.	2.7	31
86	Large Magneto-Current Effect in the Electrochemical Detection of Oxalate in Aqueous Solution. <i>Journal of Physical Chemistry C</i> , 2018, 122, 19880-19885.	1.5	13
87	Chemical nature of ferroelastic twin domains in $\text{CH}_3\text{NH}_3\text{PbI}_3$ perovskite. <i>Nature Materials</i> , 2018, 17, 1013-1019.	13.3	183
88	Surface polarization and recombination in organic-inorganic hybrid perovskite solar cells based on photo- and electrically induced negative capacitance studies. <i>Organic Electronics</i> , 2018, 62, 203-208.	1.4	28
89	Dynamic behavior of $\text{CH}_3\text{NH}_3\text{PbI}_3$ perovskite twin domains. <i>Applied Physics Letters</i> , 2018, 113, .	1.5	27
90	Time resolved surface photovoltage measurements using a big data capture approach to KPFM. <i>Nanotechnology</i> , 2018, 29, 445703.	1.3	36

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91	Charge-transfer versus energy-transfer in quasi-2D perovskite light-emitting diodes. <i>Nano Energy</i> , 2018, 50, 615-622.	8.2	103
92	Dynamic Impact of Electrode Materials on Interface of Single-Crystalline Methylammonium Lead Bromide Perovskite. <i>Advanced Materials Interfaces</i> , 2018, 5, 1800476.	1.9	31
93	Simultaneously Increased Seebeck Coefficient and Electrical Conductivity by Photoinduced Excited State Base on the Organic Thin Film Device. <i>Science of Advanced Materials</i> , 2018, 10, 827-834.	0.1	2
94	Experimental studies on magnetization in the excited state by using the magnetic field effect of light scattering based on multi-layer graphene particles suspended in organic solvents. <i>Nanoscale</i> , 2017, 9, 2563-2568.	2.8	6
95	Magneto-Photoluminescence Based on Two-Photon Excitation in Lanthanide-Doped Up-Conversion Crystal Particles. <i>Small</i> , 2017, 13, 1603363.	5.2	2
96	Highly Narrowband Photomultiplication Type Organic Photodetectors. <i>Nano Letters</i> , 2017, 17, 1995-2002.	4.5	278
97	Simultaneously enhancing dissociation and suppressing recombination in perovskite solar cells. <i>Nano Energy</i> , 2017, 36, 95-101.	8.2	27
98	Magnetodielectric Response from Spin-Orbital Interaction Occurring at Interface of Ferromagnetic Co and Organometal Halide Perovskite Layers via Rashba Effect. <i>Advanced Materials</i> , 2017, 29, 1603667.	11.1	19
99	Tuning the Seebeck effect in C ₆₀ -based hybrid thermoelectric devices through temperature-dependent surface polarization and thermally-modulated interface dipoles. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 14793-14800.	1.3	7
100	Fabricate organic thermoelectric modules use modified PCBM and PEDOT:PSS materials. <i>Frontiers of Optoelectronics</i> , 2017, 10, 117-123.	1.9	22
101	An extremely high power factor in Seebeck effects based on a new n-type copper-based organic/inorganic hybrid C ₆₀ H ₄ NH ₂ CuBr ₂ I film with metal-like conductivity. <i>Journal of Materials Chemistry A</i> , 2017, 5, 13834-13841.	5.2	27
102	Exploring spin-orbital coupling effects on photovoltaic actions in Sn and Pb based perovskite solar cells. <i>Nano Energy</i> , 2017, 38, 297-303.	8.2	42
103	Efficient deep-red electroluminescent donor-acceptor copolymers based on 6,7-dichloroquinoxaline. <i>Organic Electronics</i> , 2017, 46, 276-282.	1.4	16
104	Magneto-optical behaviors at a 2-D ferromagnetic/organic semiconductor interface for singlet fission. <i>Organic Electronics</i> , 2017, 45, 169-173.	1.4	4
105	Photoinduced Bulk Polarization and Its Effects on Photovoltaic Actions in Perovskite Solar Cells. <i>ACS Nano</i> , 2017, 11, 11542-11549.	7.3	44
106	Effects of Spin States on Photovoltaic Actions in Organo-Metal Halide Perovskite Solar Cells Based on Circularly Polarized Photoexcitation. <i>ACS Photonics</i> , 2017, 4, 2821-2827.	3.2	18
107	An Amidine-Type Dopant for Solution-Processed Field-Effect Transistors and Perovskite Solar Cells. <i>Advanced Functional Materials</i> , 2017, 27, 1703254.	7.8	40
108	A Review on Organic-Inorganic Halide Perovskite Photodetectors: Device Engineering and Fundamental Physics. <i>Advanced Materials</i> , 2017, 29, 1605242.	11.1	590

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109	Breaking the Time Barrier in Kelvin Probe Force Microscopy: Fast Free Force Reconstruction Using the G-Mode Platform. <i>ACS Nano</i> , 2017, 11, 8717-8729.	7.3	67
110	Generating Huge Magnetocurrent by Using Spin-Dependent Dehydrogenation Based on Electrochemical System. <i>Journal of Physical Chemistry C</i> , 2017, 121, 28420-28424.	1.5	12
111	Metal/Ion Interactions Induced p-n Junction in Methylammonium Lead Triiodide Perovskite Single Crystals. <i>Journal of the American Chemical Society</i> , 2017, 139, 17285-17288.	6.6	32
112	Optically tunable magneto-capacitance based on electron-hole pairs in organic electronic devices. <i>Organic Electronics</i> , 2017, 49, 300-304.	1.4	3
113	Effect of Photogenerated Dipoles in the Hole Transport Layer on Photovoltaic Performance of Organic-Inorganic Perovskite Solar Cells. <i>Advanced Energy Materials</i> , 2017, 7, 1601575.	10.2	54
114	Magneto-Seebeck effect in an ITO/PEDOT:PSS/Au thin-film device. <i>AIP Advances</i> , 2016, 6, .	0.6	3
115	Novel photoswitchable dielectric properties on nanomaterials of electronic core-shell $\text{Fe}_3\text{O}_4/\text{Au}$ @fullerosomes for GHz frequency applications. <i>Nanoscale</i> , 2016, 8, 6589-6599.	2.8	9
116	Electrode material dependent p- or n-like thermoelectric behavior of single electrochemically synthesized poly(2,2'-bithiophene) layer application to thin film thermoelectric generator. <i>Journal of Solid State Electrochemistry</i> , 2016, 20, 2191-2196.	1.2	6
117	Enhancing Gelation of Doubly Thermosensitive Hydrophilic ABC Linear Triblock Copolymers in Water by Thermoresponsive Hairy Nanoparticles. <i>Macromolecules</i> , 2016, 49, 5502-5513.	2.2	22
118	N and p-type properties in organo-metal halide perovskites studied by Seebeck effects. <i>Organic Electronics</i> , 2016, 35, 216-220.	1.4	15
119	Effect of Polymer Grafting Density on Mechanophore Activation at Heterointerfaces. <i>ACS Macro Letters</i> , 2016, 5, 819-822.	2.3	31
120	Revealing optically induced dipole-dipole interaction effects on charge dissociation at donor:acceptor interfaces in organic solar cells under device-operating condition. <i>Nano Energy</i> , 2016, 26, 595-602.	8.2	18
121	Spin-dependent deprotonation induced giant magnetocurrent in electrochemical cells. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 9897-9901.	1.3	6
122	Perovskite Solar Cells: Revealing Underlying Processes Involved in Light Soaking Effects and Hysteresis Phenomena in Perovskite Solar Cells (Adv. Energy Mater. 14/2015). <i>Advanced Energy Materials</i> , 2015, 5, .	10.2	12
123	Revealing Underlying Processes Involved in Light Soaking Effects and Hysteresis Phenomena in Perovskite Solar Cells. <i>Advanced Energy Materials</i> , 2015, 5, 1500279.	10.2	271
124	Enhanced d Electron Coupling in the Excited State by Combining Intramolecular Charge Transfer States with Surface-Modified Magnetic Nanoparticles in Organic Magnetic Nanocomposites. <i>Advanced Electronic Materials</i> , 2015, 1, 1500058.	2.6	5
125	Abnormal Magnetic Field Effects on Electrogenerated Chemiluminescence. <i>Scientific Reports</i> , 2015, 5, 9105.	1.6	2
126	Effects of a ferroelectric interface on thermionic injection-induced cooling in single-heterojunction devices based on thin-film electrode/medium/electrode design. <i>Journal of Materials Chemistry A</i> , 2015, 3, 14431-14437.	5.2	0

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127	Addressing dynamic photovoltaic processes at electrode:active layer and donor:acceptor interfaces in organic solar cells under device-operating conditions. <i>Science China Chemistry</i> , 2015, 58, 239-247.	4.2	5
128	Dynamic Coupling between Electrode Interface and Donor/Acceptor Interface via Charge Dissociation in Organic Solar Cells at Device-Operating Condition. <i>Journal of Physical Chemistry C</i> , 2015, 119, 2727-2732.	1.5	10
129	Seebeck Effects in N-Type and P-Type Polymers Driven Simultaneously by Surface Polarization and Entropy Differences Based on Conductor/Polymer/Conductor Thin-Film Devices. <i>ACS Nano</i> , 2015, 9, 5208-5213.	7.3	21
130	Magneto-Optical Studies on Spin-Dependent Charge Recombination and Dissociation in Perovskite Solar Cells. <i>Advanced Materials</i> , 2015, 27, 2899-2906.	11.1	109
131	Fundamental physics behind high-efficiency organo-metal halide perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2015, 3, 15372-15385.	5.2	120
132	Changing the Sign of Exchange Interaction in Radical Pairs to Tune Magnetic Field Effect on Electrogenerated Chemiluminescence. <i>Journal of Physical Chemistry C</i> , 2015, 119, 8089-8094.	1.5	8
133	Optically tunable Seebeck effect from intramolecular proton-transfer materials in organic vertical thin-film thermoelectric device. <i>Organic Electronics</i> , 2015, 26, 117-120.	1.4	8
134	Interaction Between Optically-Generated Charge-Transfer States and Magnetized Charge-Transfer States toward Magneto-Electric Coupling. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 4319-4325.	2.1	6
135	Distinguishing the Importance of Fullerene Phase Separation from Polymer Ordering in the Performance of Low Band Gap Polymer:Bis-Fullerene Heterojunctions. <i>Advanced Functional Materials</i> , 2014, 24, 7284-7290.	7.8	19
136	Power system optimal dispatch under low-carbon economy with significant photovoltaic generation. , 2014, , .		1
137	A Straightforward Synthesis of Chlorine-Bearing Donor-Acceptor Alternating Copolymers with Deep Frontier Orbital Levels. <i>Macromolecular Chemistry and Physics</i> , 2014, 215, 1388-1395.	1.1	17
138	Optimal scheduling of electric vehicle battery swap station based on time-of-use pricing. , 2014, , .		5
139	Optically tunable spin-exchange energy at donor:acceptor interfaces in organic solar cells. <i>Applied Physics Letters</i> , 2014, 105, .	1.5	7
140	Tuning the Morphology and Performance of Low Bandgap Polymer:Fullerene Heterojunctions via Solvent Annealing in Selective Solvents. <i>Advanced Functional Materials</i> , 2014, 24, 5129-5136.	7.8	45
141	Origin of the fill factor loss in bulk-heterojunction organic solar cells. <i>Applied Physics Letters</i> , 2014, 104, .	1.5	32
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