

List of Publications by Year in
Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

153 papers	11,858 citations	46 h-index	108 g-index
167 ext. papers	13,651 ext. citations	11.5 avg, IF	6.72 L-index

#	Paper	IF	Citations
153	Passivation principle of deep-level defects: a study of SnZn defects in kesterites for high-efficient solar cells. <i>Journal of Materials Chemistry A</i> , 2022 , 10, 2849-2855	13	1
152	Chemical Polishing of Perovskite Surface Enhances Photovoltaic Performances.. <i>Journal of the American Chemical Society</i> , 2022 ,	16.4	11
151	Photoprotective energy quenching in the red alga <i>Porphyridium purpureum</i> occurs at the core antenna of the photosystem II but not at its reaction center.. <i>Journal of Biological Chemistry</i> , 2022 , 1017834	5.4	0
150	Van der Waals integration of high- κ perovskite oxides and two-dimensional semiconductors. <i>Nature Electronics</i> , 2022 , 5, 233-240	28.4	13
149	Self-Assembled Porphyrin Nanoleaves with Unique Crossed Transportation of Photogenerated Carriers to Enhance Photocatalytic Hydrogen Production.. <i>Nano Letters</i> , 2021 ,	11.5	5
148	Mechanochemistry Advances High-Performance Perovskite Solar Cells. <i>Advanced Materials</i> , 2021 , e2107420	42.0	13
147	Dielectric screening in perovskite photovoltaics. <i>Nature Communications</i> , 2021 , 12, 2479	17.4	22
146	Perovskite Solar Cells for Space Applications: Progress and Challenges. <i>Advanced Materials</i> , 2021 , 33, e2006545	24	53
145	Overcoming the performance deadlock by ideal-bandgap perovskites. <i>Matter</i> , 2021 , 4, 1445-1447	12.7	
144	Interfacial stabilization for inverted perovskite solar cells with long-term stability. <i>Science Bulletin</i> , 2021 , 66, 991-1002	10.6	15
143	Plasma Oxidized TiCT MXene as Electron Transport Layer for Efficient Perovskite Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 32495-32502	9.5	13
142	Li-based selenized Cu ₂ ZnSnS ₄ surface: Possible route to overcoming voc-deficit of kesterite solar cells. <i>Applied Physics Letters</i> , 2021 , 118, 252106	3.4	2
141	Multiple-Defect Management for Efficient Perovskite Photovoltaics. <i>ACS Energy Letters</i> , 2021 , 6, 2404-2412	10.2	22
140	Linear Relationship between the Dielectric Constant and Band Gap in Low-Dimensional Mixed-Halide Perovskites. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 14883-14890	3.8	2
139	Torsional bandgap switching in metamaterials with compression-torsion interacted origami resonators. <i>Journal of Applied Physics</i> , 2021 , 130, 045105	2.5	7
138	Surface-anchoring zwitterionic antioxidant enables efficient, stable, and scalable all-perovskite tandem solar cells. <i>Science China Chemistry</i> , 2021 , 64, 3-4	7.9	1
137	Buried Interfaces in Halide Perovskite Photovoltaics. <i>Advanced Materials</i> , 2021 , 33, e2006435	24	83

136	Adaptive Phase Correction for Phase Measuring Deflectometry Based on Light Field Modulation. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021 , 70, 1-10	5.2	1
135	Optimizing Vertical Crystallization for Efficient Perovskite Solar Cells by Buried Composite Layers. <i>Solar Rrl</i> , 2021 , 5, 2100457	7.1	3
134	Quantum efficiency, intrinsic emittance, and response time measurements of a titanium nitride photocathode. <i>Physical Review Accelerators and Beams</i> , 2021 , 24,	1.8	2
133	The structural stability and defect-tolerance of ionic spinel semiconductors for high-efficiency solar cells. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 14566-14575	13	4
132	Green Solution-Bathing Process for Efficient Large-Area Planar Perovskite Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 24905-24912	9.5	12
131	Dopant-free hole transporting materials with supramolecular interactions and reverse diffusion for efficient and modular p-i-n perovskite solar cells. <i>Science China Chemistry</i> , 2020 , 63, 987-996	7.9	25
130	Designing Hole Transport Materials with High Hole Mobility and Outstanding Interface Properties for Perovskite Solar Cells. <i>ChemPhysChem</i> , 2020 , 21, 1866-1872	3.2	0
129	High-Performance CsPbI ₃ Br _{3-x} All-Inorganic Perovskite Solar Cells with Efficiency over 18% via Spontaneous Interfacial Manipulation. <i>Advanced Functional Materials</i> , 2020 , 30, 2000457	15.6	71
128	Tailoring Perovskite Adjacent Interfaces by Conjugated Polyelectrolyte for Stable and Efficient Solar Cells. <i>Solar Rrl</i> , 2020 , 4, 2000060	7.1	14
127	Non-resonant metasurface for broadband elastic wave mode splitting. <i>Applied Physics Letters</i> , 2020 , 116, 171903	3.4	15
126	Low-Dimensional Contact Layers for Enhanced Perovskite Photodiodes. <i>Advanced Functional Materials</i> , 2020 , 30, 2001692	15.6	15
125	Structuring Nonlinear Wavefront Emitted from Monolayer Transition-Metal Dichalcogenides. <i>Research</i> , 2020 , 2020, 9085782	7.8	25
124	Investigation of post-thermal annealing-induced enhancement in photovoltaic performance for squaraine-based organic solar cells. <i>Frontiers of Materials Science</i> , 2020 , 14, 81-88	2.5	
123	Minimizing non-radiative recombination losses in perovskite solar cells. <i>Nature Reviews Materials</i> , 2020 , 5, 44-60	73.3	428
122	Improving Efficiency and Stability of Perovskite Solar Cells Enabled by A Near-Infrared-Absorbing Moisture Barrier. <i>Joule</i> , 2020 , 4, 1575-1593	27.8	46
121	Molecular Engineering of Hexaazatriphenylene Derivatives toward More Efficient Electron-Transporting Materials for Inverted Perovskite Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 38222-38231	9.5	13
120	Reduced bilateral recombination by functional molecular interface engineering for efficient inverted perovskite solar cells. <i>Nano Energy</i> , 2020 , 78, 105249	17.1	27
119	Superior Carrier Lifetimes Exceeding 6 μ s in Polycrystalline Halide Perovskites. <i>Advanced Materials</i> , 2020 , 32, e2002585	24	64

118	Surface modification induced by perovskite quantum dots for triple-cation perovskite solar cells. <i>Nano Energy</i> , 2020 , 67, 104189	17.1	49
117	Modification of TiO Nanoparticles with Organodiboron Molecules Inducing Stable Surface Ti Complex. <i>IScience</i> , 2019 , 20, 195-204	6.1	14
116	Perovskite solar cell towards lower toxicity: a theoretical study of physical lead reduction strategy. <i>Science Bulletin</i> , 2019 , 64, 1255-1261	10.6	39
115	Introducing pyridyl into electron transport materials plays a key role in improving electron mobility and interface properties for inverted perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 16304-16312	13	6
114	Study of damage generation induced by focused helium ion beam in silicon. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2019 , 37, 031804	1.3	10
113	Improving the Stability of Metal Halide Perovskite Quantum Dots by Encapsulation. <i>Advanced Materials</i> , 2019 , 31, e1900682	24	146
112	Zn-O Dual-Spin Surface State Formation by Modification of ZnO Nanoparticles with Diboron Compounds. <i>Langmuir</i> , 2019 , 35, 14173-14179	4	5
111	Theory and Realization of Nonresonant Anisotropic Singly Polarized Solids Carrying Only Shear Waves. <i>Physical Review Applied</i> , 2019 , 12,	4.3	10
110	Synergy of Electron Transfer and Charge Transfer in the Control of Photodynamic Behavior of Coordination Polymers. <i>Chemistry - A European Journal</i> , 2019 , 25, 13152-13156	4.8	13
109	Diindolotriazatruxene-Based Hole-Transporting Materials for High-Efficiency Planar Perovskite Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 45717-45725	9.5	15
108	Research progress of solution processed all-inorganic perovskite solar cell. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2019 , 68, 158806	0.6	1
107	Mixed-cation perovskite solar cells in space. <i>Science China: Physics, Mechanics and Astronomy</i> , 2019 , 62, 1	3.6	85
106	Modular metamaterials composed of foldable obelisk-like units with reprogrammable mechanical behaviors based on multistability. <i>Scientific Reports</i> , 2019 , 9, 18812	4.9	3
105	MoS Memtransistors Fabricated by Localized Helium Ion Beam Irradiation. <i>ACS Nano</i> , 2019 , 13, 14262-14273	27.3	55
104	A peri-Xanthenoxanthene Centered Columnar-Stacking Organic Semiconductor for Efficient, Photothermally Stable Perovskite Solar Cells. <i>Chemistry - A European Journal</i> , 2019 , 25, 945-948	4.8	16
103	Flexible Photovoltaic Systems 2018 , 105-137		
102	Single crystalline SbB6 nanowires for self-powered, broadband photodetectors covering mid-infrared. <i>Applied Physics Letters</i> , 2018 , 112, 162106	3.4	6
101	Phototriggered Mechanical Movement in A Bipyridinium-based Coordination Polymer Powered by Electron Transfer. <i>Inorganic Chemistry</i> , 2018 , 57, 2724-2729	5.1	12

100	Plasmonic-Functionalized Broadband Perovskite Photodetector. <i>Advanced Optical Materials</i> , 2018 , 6, 1701271	8.1	63
99	Confined-path interference suppressed quantum correction on weak antilocalization effect in a BiSbTeSe ₂ topological insulator. <i>Applied Physics Letters</i> , 2018 , 112, 032102	3.4	6
98	N-Annulated Perylene-Based Hole Transporters for Perovskite Solar Cells: The Significant Influence of Lateral Substituents. <i>ChemSusChem</i> , 2018 , 11, 672-680	8.3	17
97	Low-dimensional perovskite interlayer for highly efficient lead-free formamidinium tin iodide perovskite solar cells. <i>Nano Energy</i> , 2018 , 49, 411-418	17.1	128
96	Bipyridinium-Bearing Multi-stimuli Responsive Chromic Material with High Stability. <i>Crystal Growth and Design</i> , 2018 , 18, 3236-3243	3.5	32
95	Perovskite Solar Cells: Stable Formamidinium-Based Perovskite Solar Cells via In Situ Grain Encapsulation (Adv. Energy Mater. 22/2018). <i>Advanced Energy Materials</i> , 2018 , 8, 1870101	21.8	1
94	Perovskite Single-Crystal Microarrays for Efficient Photovoltaic Devices. <i>Chemistry of Materials</i> , 2018 , 30, 4590-4596	9.6	21
93	Patterned Perovskites for Optoelectronic Applications. <i>Small Methods</i> , 2018 , 2, 1800110	12.8	42
92	Raman Signatures of Broken Inversion Symmetry and In-Plane Anisotropy in Type-II Weyl Semimetal Candidate TaIrTe. <i>Advanced Materials</i> , 2018 , 30, e1706402	24	37
91	Atomic-Scale Probing of Reversible Li Migration in 1T-VSe and the Interactions between Interstitial V and Li. <i>Nano Letters</i> , 2018 , 18, 6094-6099	11.5	12
90	Robust Nanoporous Supramolecular Network Through Charge-Transfer Interaction. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 43987-43992	9.5	5
89	Diboron-Assisted Interfacial Defect Control Strategy for Highly Efficient Planar Perovskite Solar Cells. <i>Advanced Materials</i> , 2018 , 30, e1805085	24	101
88	Increase of intrinsic emittance induced by multiphoton photoemission from copper cathodes illuminated by femtosecond laser pulses. <i>AIP Advances</i> , 2018 , 8, 055225	1.5	5
87	Control of Stacking of Dithienopyrrole-Based, Hole-Transporting Materials via Lateral Substituents for High-Efficiency Perovskite Solar Cells. <i>ACS Photonics</i> , 2018 , 5, 4694-4701	6.3	15
86	Nitrogen substitution improves the mobility and stability of electron transport materials for inverted perovskite solar cells. <i>Nanoscale</i> , 2018 , 10, 17873-17883	7.7	18
85	Improved Efficiency of Inverted Perovskite Solar Cells Via Surface Plasmon Resonance Effect of Au@PSS Core-Shell Tetrahedra Nanoparticles. <i>Solar Rrl</i> , 2018 , 2, 1800061	7.1	17
84	Stable Formamidinium-Based Perovskite Solar Cells via In Situ Grain Encapsulation. <i>Advanced Energy Materials</i> , 2018 , 8, 1800232	21.8	59
83	Enhanced photovoltage for inverted planar heterojunction perovskite solar cells. <i>Science</i> , 2018 , 360, 1442-1446	33.3	915

82	Applications of cesium in the perovskite solar cells. <i>Journal of Semiconductors</i> , 2017 , 38, 011003	2.3	23
81	Pinhole-Free Hybrid Perovskite Film with Arbitrarily-Shaped Micro-Patterns for Functional Optoelectronic Devices. <i>Nano Letters</i> , 2017 , 17, 3563-3569	11.5	37
80	In situ dynamic observations of perovskite crystallisation and microstructure evolution intermediated from [PbI] cage nanoparticles. <i>Nature Communications</i> , 2017 , 8, 15688	17.4	147
79	Fabrication of compact and stable perovskite films with optimized precursor composition in the fast-growing procedure. <i>Science China Materials</i> , 2017 , 60, 608-616	7.1	11
78	The intrinsic properties of FA(1-x)MAxPbI3 perovskite single crystals. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 8537-8544	13	110
77	Dual-Source Precursor Approach for Highly Efficient Inverted Planar Heterojunction Perovskite Solar Cells. <i>Advanced Materials</i> , 2017 , 29, 1604758	24	123
76	High-Performance Formamidinium-Based Perovskite Solar Cells via Microstructure-Mediated α - β Phase Transformation. <i>Chemistry of Materials</i> , 2017 , 29, 3246-3250	9.6	79
75	Spin-polarized surface state transport in a topological Kondo insulator SmB6 nanowire. <i>Physical Review B</i> , 2017 , 95,	3.3	8
74	Interplay between topological surface states and superconductivity in SmB6/NbN tunnel junctions. <i>Physical Review B</i> , 2017 , 96,	3.3	2
73	Polymer Solar Cells: High-Performance Polymer Solar Cells Based on a Wide-Bandgap Polymer Containing Pyrrolo[3,4-f]benzotriazole-5,7-dione with a Power Conversion Efficiency of 8.63% (Adv. Sci. 9/2016). <i>Advanced Science</i> , 2016 , 3,	13.6	78
72	Efficient perovskite solar cells by metal ion doping. <i>Energy and Environmental Science</i> , 2016 , 9, 2892-2901	15.4	301
71	Charge-Carrier Balance for Highly Efficient Inverted Planar Heterojunction Perovskite Solar Cells. <i>Advanced Materials</i> , 2016 , 28, 10718-10724	24	170
70	Organic Solar Cells: Multi-Length Scaled Silver Nanowire Grid for Application in Efficient Organic Solar Cells (Adv. Funct. Mater. 27/2016). <i>Advanced Functional Materials</i> , 2016 , 26, 4806-4806	15.6	3
69	High-Performance Inverted Planar Heterojunction Perovskite Solar Cells Based on Lead Acetate Precursor with Efficiency Exceeding 18%. <i>Advanced Functional Materials</i> , 2016 , 26, 3508-3514	15.6	159
68	Multi-Length Scaled Silver Nanowire Grid for Application in Efficient Organic Solar Cells. <i>Advanced Functional Materials</i> , 2016 , 26, 4822-4828	15.6	42
67	Mesoporous PbI2 Scaffold for High-Performance Planar Heterojunction Perovskite Solar Cells. <i>Advanced Energy Materials</i> , 2016 , 6, 1501890	21.8	102
66	Inverted Perovskite Solar Cells: Progresses and Perspectives. <i>Advanced Energy Materials</i> , 2016 , 6, 1600457	57.8	294
65	Perovskite Solar Cells: High-Performance Inverted Planar Heterojunction Perovskite Solar Cells Based on Lead Acetate Precursor with Efficiency Exceeding 18% (Adv. Funct. Mater. 20/2016). <i>Advanced Functional Materials</i> , 2016 , 26, 3551-3551	15.6	6

64	High-Performance Polymer Solar Cells Based on a Wide-Bandgap Polymer Containing Pyrrolo[3,4-]benzotriazole-5,7-dione with a Power Conversion Efficiency of 8.63. <i>Advanced Science</i> , 2016 , 3, 1600032	13.6	57
63	Efficient and low-temperature processed perovskite solar cells based on a cross-linkable hybrid interlayer. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 18483-18491	13	50
62	An All-in-one mesh-typed integrated energy unit for both photoelectric conversion and energy storage in uniform electrochemical system. <i>Nano Energy</i> , 2015 , 13, 670-678	17.1	47
61	Fast-growing procedure for perovskite films in planar heterojunction perovskite solar cells. <i>Chinese Chemical Letters</i> , 2015 , 26, 1518-1521	8.1	16
60	Strain Loading Mode Dependent Bandgap Deformation Potential in ZnO Micro/Nanowires. <i>ACS Nano</i> , 2015 , 9, 11960-7	16.7	28
59	An actively ultrafast tunable giant slow-light effect in ultrathin nonlinear metasurfaces. <i>Light: Science and Applications</i> , 2015 , 4, e302-e302	16.7	43
58	Large tunable linear magnetoresistance in gold nanoparticle decorated graphene. <i>Applied Physics Letters</i> , 2014 , 105, 143103	3.4	10
57	Engineering of electron-selective contact for perovskite solar cells with efficiency exceeding 15%. <i>ACS Nano</i> , 2014 , 8, 10161-7	16.7	209
56	Outermost tensile strain dominated exciton emission in bending CdSe nanowires. <i>Science China Materials</i> , 2014 , 57, 26-33	7.1	5
55	Modifying optical properties of ZnO nanowires via strain-gradient. <i>Frontiers of Physics</i> , 2013 , 8, 509-515	3.7	9
54	Facile synthesis and optical properties of ultrathin Cu-doped ZnSe nanorods. <i>CrystEngComm</i> , 2013 , 15, 10495	3.3	9
53	Formation mechanism of homo-epitaxial morphology on ZnO (0001) polar surfaces. <i>CrystEngComm</i> , 2013 , 15, 4249	3.3	2
52	Surface coating effect on field emission performance of ZnO nanowires. <i>Applied Physics A: Materials Science and Processing</i> , 2012 , 106, 557-562	2.6	
51	A 3-dimensional spiro-functionalized platinum(II) complex to suppress intermolecular π - π and Pt \cdots Pt supramolecular interactions for a high-performance electrophosphorescent device. <i>Chemical Communications</i> , 2012 , 48, 3854-6	5.8	37
50	Silver nanowire composite window layers for fully solution-deposited thin-film photovoltaic devices. <i>Advanced Materials</i> , 2012 , 24, 5499-504	24	111
49	Solution-processed flexible transparent conductors composed of silver nanowire networks embedded in indium tin oxide nanoparticle matrices. <i>Nano Research</i> , 2012 , 5, 805-814	10	124
48	Polymer solar cells. <i>Nature Photonics</i> , 2012 , 6, 153-161	33.9	3621
47	Visibly transparent polymer solar cells produced by solution processing. <i>ACS Nano</i> , 2012 , 6, 7185-90	16.7	434

46	Electrostatic Self-Assembly Conjugated Polyelectrolyte-Surfactant Complex as an Interlayer for High Performance Polymer Solar Cells. <i>Advanced Functional Materials</i> , 2012 , 22, 3284-3289	15.6	95
45	Solution-Processed TiO ₂ Nanoparticles as the Window Layer for CuIn(S,Se) ₂ Devices. <i>Advanced Energy Materials</i> , 2012 , 2, 1368-1374	21.8	6
44	High-performance hybrid solar cells employing metal-free organic dye modified TiO ₂ as photoelectrode. <i>Applied Energy</i> , 2012 , 90, 305-308	10.7	30
43	In situ growth and density-functional-theory study of polarity-dependent homo-epitaxial ZnO microwires. <i>CrystEngComm</i> , 2012 , 14, 355-358	3.3	4
42	Growth mechanism study via in situ epitaxial growth of high-oriented ZnO nanowires. <i>CrystEngComm</i> , 2011 , 13, 606-610	3.3	7
41	High-Performance Solid-State Organic Dye Sensitized Solar Cells with P3HT as Hole Transporter. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 7038-7043	3.8	103
40	Fused silver nanowires with metal oxide nanoparticles and organic polymers for highly transparent conductors. <i>ACS Nano</i> , 2011 , 5, 9877-82	16.7	326
39	Monochromic Red-Emitting Nonconjugated Copolymers Containing Double-Carrier-Trapping Phosphine Oxide Eu ³⁺ Segments: Toward Bright and Efficient Electroluminescence. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 15627-15638	3.8	43
38	A robust inter-connecting layer for achieving high performance tandem polymer solar cells. <i>Advanced Materials</i> , 2011 , 23, 3465-70	24	214
37	Polarizing organic photovoltaics. <i>Advanced Materials</i> , 2011 , 23, 4193-8	24	97
36	Regrowth of Template ZnO Nanowires for the Underlying Catalyst-Free Growth Mechanism. <i>Crystal Growth and Design</i> , 2011 , 11, 2135-2141	3.5	11
35	Photophysical and electroluminescent properties of a Series of Monochromatic red-emitting europium-complexed nonconjugated copolymers based on diphenylphosphine oxide modified polyvinylcarbazole. <i>Polymer</i> , 2011 , 52, 804-813	3.9	31
34	Low-Cost Fabrication of TiO ₂ Nanorod Photoelectrode for Dye-sensitized Solar Cell Application. <i>Australian Journal of Chemistry</i> , 2011 , 64, 1282	1.2	7
33	Spiro-functionalized Ligand with Supramolecular Steric Hindrance to Control Interaction in the Iridium Complex for High-Performance Electrophosphorescent Devices. <i>Journal of Physical Chemistry Letters</i> , 2010 , 1, 272-276	6.4	37
32	Enhanced near-band-edge emission and field emission properties from plasma treated ZnO nanowires. <i>Applied Physics A: Materials Science and Processing</i> , 2010 , 100, 165-170	2.6	13
31	Synthesis, characterization and applications of vinylsilfluorene copolymers: New host materials for electroluminescent devices. <i>Science China Chemistry</i> , 2010 , 53, 2329-2336	7.9	8
30	Anatase mesoporous TiO ₂ nanofibers with high surface area for solid-state dye-sensitized solar cells. <i>Small</i> , 2010 , 6, 2176-82	11	100
29	Highly Efficient Nanoporous TiO ₂ -Polythiophene Hybrid Solar Cells Based on Interfacial Modification Using a Metal-Free Organic Dye. <i>Advanced Materials</i> , 2009 , 21, 994-1000	24	234

28	Germafluorene conjugated copolymer synthesis and applications in blue-light-emitting diodes and host materials. <i>Science in China Series B: Chemistry</i> , 2009 , 52, 212-218		23
27	Poly(p-phenylene vinylenes) with pendent 2,4-difluorophenyl and fluorenyl moieties: Synthesis, characterization, and device performance. <i>Journal of Polymer Science Part A</i> , 2009 , 47, 2500-2508	2.5	11
26	Facile construction of nanofibrous ZnO photoelectrode for dye-sensitized solar cell applications. <i>Applied Physics Letters</i> , 2009 , 95, 043304	3.4	65
25	Improved adhesion of interconnected TiO ₂ nanofiber network on conductive substrate and its application in polymer photovoltaic devices. <i>Applied Physics Letters</i> , 2008 , 93, 013102	3.4	65
24	Anionic benzothiadiazole containing polyfluorene and oligofluorene as organic sensitizers for dye-sensitized solar cells. <i>Chemical Communications</i> , 2008 , 3789-91	5.8	48
23	Synthesis, structure, and optoelectronic properties of phosphafluorene copolymers. <i>Organic Letters</i> , 2008 , 10, 2913-6	6.2	74
22	Use of the beta-phase of poly(9,9-dioctylfluorene) as a probe into the interfacial interplay for the mixed bilayer films formed by sequential spin-coating. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 1611-8	3.4	31
21	Two novel oligomers based on fluorene and pyridine: Correlation between the structures and optoelectronic properties. <i>Journal of Polymer Science Part A</i> , 2008 , 46, 1548-1558	2.5	7
20	Synthesis and characterization of poly(fluorene vinylene) copolymers containing thienylenevinylene units. <i>Journal of Applied Polymer Science</i> , 2008 , 108, 2438-2445	2.9	20
19	Kinked Star-Shaped Fluorene/ Triazatruxene Co-oligomer Hybrids with Enhanced Functional Properties for High-Performance, Solution-Processed, Blue Organic Light-Emitting Diodes. <i>Advanced Functional Materials</i> , 2008 , 18, 265-276	15.6	161
18	Hyperbranched triazine-containing polyfluorenes: Efficient blue emitters for polymer light-emitting diodes (PLEDs). <i>Polymer</i> , 2007 , 48, 1824-1829	3.9	36
17	Synthesis and characterization of a main-chain-type conjugated copolymer containing rare earth with photocrosslinkable group. <i>Journal of Polymer Science Part A</i> , 2007 , 45, 388-394	2.5	22
16	Monodisperse star-shaped compound and its blend in uncapped polyfluorene matrices as the active materials for high-performance pure blue light-emitting devices. <i>Applied Physics Letters</i> , 2007 , 90, 141909	3.4	19
15	Synthesis and characterization of red phosphorescent-conjugated polymers containing charged iridium complexes and carbazole unit. <i>Synthetic Metals</i> , 2007 , 157, 813-822	3.6	19
14	Synthesis, Photophysics, and Electroluminescence of Poly(dibenzofluorene)s. <i>Macromolecular Rapid Communications</i> , 2006 , 27, 1142-1148	4.8	8
13	Cruciform p π diblock conjugated oligomers for electroluminescent applications. <i>New Journal of Chemistry</i> , 2006 , 30, 667-670	3.6	33
12	Monodisperse Six-Armed Triazatruxenes: Microwave-Enhanced Synthesis and Highly Efficient Pure-Deep-Blue Electroluminescence. <i>Macromolecules</i> , 2006 , 39, 3707-3709	5.5	148
11	Fluorene and silafluorene conjugated copolymer: A new blue light-emitting polymer. <i>Synthetic Metals</i> , 2006 , 156, 1161-1167	3.6	57

10	Color Tuning Based on a Six-membered Chelated Iridium(III) Complex with Aza-aromatic Ligand. <i>Chemistry Letters</i> , 2005 , 34, 1668-1669	1.7	23
9	Di-Channel Polyfluorene Containing Spiro-Bridged Oxadiazole Branches. <i>Macromolecular Rapid Communications</i> , 2005 , 26, 1729-1735	4.8	31
8	Eliminating chaos in the Belousov-Zhabotinsky reaction by no-delay feedback and delayed feedback. <i>Theoretical Chemistry Accounts</i> , 2003 , 110, 85-91	1.9	1
7	Linear stability analysis of a reaction-diffusion model of solid-phase combustion. <i>Theoretical Chemistry Accounts</i> , 2002 , 107, 357-361	1.9	3
6	Explicit internal signal stochastic resonance in a chemical model. <i>Physical Chemistry Chemical Physics</i> , 2002 , 4, 82-85	3.6	5
5	Optimizing the Back Contact of Kesterites and Perovskites: Band Edge Design and Defect Engineering in Molybdenum Chalcogenides. <i>Advanced Sustainable Systems</i> , 2100457	5.9	2
4	Tunable Intracrystal Cavity in Tungsten Bronze-Like Bimetallic Oxides for Electrochromic Energy Storage. <i>Advanced Energy Materials</i> , 2103106	21.8	7
3	Depth-dependent defect manipulation in perovskites for high-performance solar cells. <i>Energy and Environmental Science</i> ,	35.4	29
2	Laser-induced recoverable fluorescence quenching of perovskite films at a microscopic grain-scale. <i>Energy and Environmental Materials</i> ,	13	1
1	An efficient screening strategy towards multifunctional catalysts for the simultaneous electroreduction of NO ₃ ⁻ , NO ₂ ⁻ and NO to NH ₃ . <i>Journal of Materials Chemistry A</i> ,	13	8