

# Zhen Li

## 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.

135  
papers

11,914  
citations

57  
h-index

108  
g-index

142  
ext. papers

14,006  
ext. citations

13.2  
avg, IF

6.49  
L-index

#	Paper	IF	Citations
135	An effective and economical encapsulation method for trapping lead leakage in rigid and flexible perovskite photovoltaics. <i>Nano Energy</i> , <b>2022</b> , 93, 106853	17.1	15
134	Annealing free tin oxide electron transport layers for flexible perovskite solar cells. <i>Nano Energy</i> , <b>2022</b> , 94, 106919	17.1	4
133	Heterostructured Co/Mo-sulfide catalyst enables unbiased solar water splitting by integration with perovskite solar cells. <i>Applied Catalysis B: Environmental</i> , <b>2022</b> , 309, 121272	21.8	3
132	Sulfonated Graphene Aerogels Enable Safe-to-Use Flexible Perovskite Solar Modules. <i>Advanced Energy Materials</i> , <b>2022</b> , 12, 2103236	21.8	17
131	Organometallic-functionalized interfaces for highly efficient inverted perovskite solar cells.. <i>Science</i> , <b>2022</b> , 376, 416-420	33.3	81
130	Exciton-Phonon Coupling of Chiral One-Dimensional Lead-Free Hybrid Metal Halides at Room Temperature.. <i>Journal of Physical Chemistry Letters</i> , <b>2022</b> , 4073-4081	6.4	1
129	Low-Bandgap Organic Bulk-Heterojunction Enabled Efficient and Flexible Perovskite Solar Cells. <i>Advanced Materials</i> , <b>2021</b> , 33, e2105539	24	27
128	Efficient and Stable Carbon-Based Perovskite Solar Cells via Passivation by a Multifunctional Hydrophobic Molecule with Bidentate Anchors. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 16485-16497	9.5	10
127	Fluorine-Induced Surface Metallization for Ammonia Synthesis under Photoexcitation up to 1550 nm. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 11273-11279	3.6	
126	Fluorine-Induced Surface Metallization for Ammonia Synthesis under Photoexcitation up to 1550 nm. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 11173-11179	16.4	6
125	Recent progress in stabilizing perovskite solar cells through two-dimensional modification. <i>APL Materials</i> , <b>2021</b> , 9, 070702	5.7	4
124	Low-Temperature Processed Carbon Electrode-Based Inorganic Perovskite Solar Cells with Enhanced Photovoltaic Performance and Stability. <i>Energy and Environmental Materials</i> , <b>2021</b> , 4, 95-102	13	10
123	A Highly Flexible and Lightweight MnO <sub>2</sub> /Graphene Membrane for Superior Zinc-Ion Batteries. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2007397	15.6	58
122	Pseudo-bilayer architecture enables high-performance organic solar cells with enhanced exciton diffusion length. <i>Nature Communications</i> , <b>2021</b> , 12, 468	17.4	61
121	Efficient Inverted Perovskite Solar Cells with Low Voltage Loss Achieved by a Pyridine-Based Dopant-Free Polymer Semiconductor. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 7227-7233	16.4	42
120	Efficient Inverted Perovskite Solar Cells with Low Voltage Loss Achieved by a Pyridine-Based Dopant-Free Polymer Semiconductor. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 7303-7309	3.6	8
119	Unexpectedly high stability and surface reconstruction of PdAuAg nanoparticles for formate oxidation electrocatalysis. <i>Nanoscale</i> , <b>2020</b> , 12, 11659-11671	7.7	15

118	Modulation of Defects and Interfaces through Alkylammonium Interlayer for Efficient Inverted Perovskite Solar Cells. <i>Joule</i> , <b>2020</b> , 4, 1248-1262	27.8	143
117	Real-time Illumination Estimation for Mixed Reality on Mobile Devices <b>2020</b> ,		3
116	Hybrid Perovskite-Organic Flexible Tandem Solar Cell Enabling Highly Efficient Electrocatalysis Overall Water Splitting. <i>Advanced Energy Materials</i> , <b>2020</b> , 10, 2000361	21.8	37
115	Self-Assembly of Chiral Nematic Liquid Crystalline Phases of AgNR@SiO <sub>2</sub> @Cysteine@CsPbBr <sub>3</sub> Hybrid Nanorods with Plasmon-Dependent Photoluminescence. <i>Particle and Particle Systems Characterization</i> , <b>2020</b> , 37, 2000008	3.1	3
114	Lead-free perovskite [H <sub>3</sub> NC <sub>6</sub> H <sub>4</sub> NH <sub>3</sub> ] <sub>2</sub> CuBr <sub>4</sub> with both a bandgap of 1.43 eV and excellent stability. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 5484-5488	13	8
113	Strongly quantum-confined Mn <sup>2+</sup> -doped CsPbBr <sub>3</sub> nanocrystals in MCM-41 with pure blue emission. <i>New Journal of Chemistry</i> , <b>2020</b> , 44, 2980-2985	3.6	3
112	Exploitation of two-dimensional conjugated covalent organic frameworks based on tetraphenylethylene with bicarbazole and pyrene units and applications in perovskite solar cells. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 11448-11459	13	58
111	Silver-Mediated Growth of Chiral Ag/Au-Cysteine Hybrid Nanospheres with Giant Chiroptical Response. <i>Particle and Particle Systems Characterization</i> , <b>2020</b> , 37, 1900338	3.1	1
110	Vertical Orientated Dion-Jacobson Quasi-2D Perovskite Film with Improved Photovoltaic Performance and Stability. <i>Small Methods</i> , <b>2020</b> , 4, 1900831	12.8	52
109	Improving Photovoltaic Performance Using Perovskite/Surface-Modified Graphitic Carbon Nitride Heterojunction. <i>Solar Rrl</i> , <b>2020</b> , 4, 1900413	7.1	22
108	Inhomogeneous Doping of Perovskite Materials by Dopants from Hole-Transport Layer. <i>Matter</i> , <b>2020</b> , 2, 261-272	12.7	22
107	Introduction of a Stable Radical in Polymer Capacitor Enables High Energy Storage and Pulse Discharge Efficiency. <i>Chemistry of Materials</i> , <b>2020</b> , 32, 9355-9362	9.6	16
106	2D metal-organic framework for stable perovskite solar cells with minimized lead leakage. <i>Nature Nanotechnology</i> , <b>2020</b> , 15, 934-940	28.7	119
105	Thermally Stable Perovskite Solar Cells by Systematic Molecular Design of the Hole-Transport Layer. <i>ACS Energy Letters</i> , <b>2019</b> , 4, 473-482	20.1	48
104	Alcohol Vapor Post-Annealing for Highly Efficient Sb <sub>2</sub> S <sub>3</sub> Planar Heterojunction Solar Cells. <i>Solar Rrl</i> , <b>2019</b> , 3, 1900133	7.1	14
103	Enhanced performance and stability of p-i-n perovskite solar cells by utilizing an AIE-active cathode interlayer. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 15662-15672	13	16
102	(C <sub>6</sub> H <sub>5</sub> NH <sub>3</sub> )BiI <sub>4</sub> : a lead-free perovskite with >330 days humidity stability for optoelectronic applications. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 15722-15730	13	20
101	Carrier lifetimes of >1 μs in Sn-Pb perovskites enable efficient all-perovskite tandem solar cells. <i>Science</i> , <b>2019</b> , 364, 475-479	33.3	496

100	Insights into operational stability and processing of halide perovskite active layers. <i>Energy and Environmental Science</i> , <b>2019</b> , 12, 1341-1348	35.4	89
99	Water-Soluble Triazolium Ionic-Liquid-Induced Surface Self-Assembly to Enhance the Stability and Efficiency of Perovskite Solar Cells. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1900417	15.6	102
98	Bimolecular Additives Improve Wide-Band-Gap Perovskites for Efficient Tandem Solar Cells with CIGS. <i>Joule</i> , <b>2019</b> , 3, 1734-1745	27.8	131
97	Enabling highly efficient photocatalytic hydrogen generation and organics degradation via a perovskite solar cell-assisted semiconducting nanocomposite photoanode. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 165-171	13	25
96	Electron Transport Bilayer with Cascade Energy Alignment for Efficient Perovskite Solar Cells. <i>Solar Rrl</i> , <b>2019</b> , 3, 1900333	7.1	28
95	Block Iodide, Save Perovskite Modules. <i>Joule</i> , <b>2019</b> , 3, 2594-2595	27.8	2
94	Highly Efficient Perovskite Solar Modules by Scalable Fabrication and Interconnection Optimization. <i>ACS Energy Letters</i> , <b>2018</b> , 3, 322-328	20.1	111
93	Scalable fabrication of perovskite solar cells. <i>Nature Reviews Materials</i> , <b>2018</b> , 3,	73.3	532
92	Effect of non-stoichiometric solution chemistry on improving the performance of wide-bandgap perovskite solar cells. <i>Materials Today Energy</i> , <b>2018</b> , 7, 232-238	7	26
91	Perovskite Solar Cells: Stable Formamidinium-Based Perovskite Solar Cells via In Situ Grain Encapsulation (Adv. Energy Mater. 22/2018). <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1870101	21.8	1
90	Probing Perovskite Inhomogeneity beyond the Surface: TOF-SIMS Analysis of Halide Perovskite Photovoltaic Devices. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 28541-28552	9.5	49
89	Impact of Layer Thickness on the Charge Carrier and Spin Coherence Lifetime in Two-Dimensional Layered Perovskite Single Crystals. <i>ACS Energy Letters</i> , <b>2018</b> , 3, 2273-2279	20.1	84
88	Outlook and Challenges of Perovskite Solar Cells toward Terawatt-Scale Photovoltaic Module Technology. <i>Joule</i> , <b>2018</b> , 2, 1437-1451	27.8	113
87	Recent Advances in Perovskite Tandem Devices. <i>Materials and Energy</i> , <b>2018</b> , 141-197		
86	Suppressing defects through the synergistic effect of a Lewis base and a Lewis acid for highly efficient and stable perovskite solar cells. <i>Energy and Environmental Science</i> , <b>2018</b> , 11, 3480-3490	35.4	202
85	Large-scale preparation of segregated PLA/carbon nanotube composite with high efficient electromagnetic interference shielding and favourable mechanical properties. <i>Composites Part B: Engineering</i> , <b>2018</b> , 155, 405-413	10	75
84	Stable Formamidinium-Based Perovskite Solar Cells via In Situ Grain Encapsulation. <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1800232	21.8	59
83	Low-Cost, Efficient, and Durable H Production by Photoelectrochemical Water Splitting with CuGaSe Photocathodes. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 19573-19579	9.5	25

82	Do grain boundaries dominate non-radiative recombination in CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> perovskite thin films?. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 5043-5050	3.6	141
81	Electrochemical impedance analysis of perovskite-electrolyte interfaces. <i>Chemical Communications</i> , <b>2017</b> , 53, 2467-2470	5.8	31
80	Extrinsic ion migration in perovskite solar cells. <i>Energy and Environmental Science</i> , <b>2017</b> , 10, 1234-1242	35.4	336
79	300% Enhancement of Carrier Mobility in Uniaxial-Oriented Perovskite Films Formed by Topotactic-Oriented Attachment. <i>Advanced Materials</i> , <b>2017</b> , 29, 1606831	24	101
78	Ordered Single-Crystalline Anatase TiO <sub>2</sub> Nanorod Clusters Planted on Graphene for Fast Charge Transfer in Photoelectrochemical Solar Cells. <i>Small</i> , <b>2017</b> , 13, 1700793	11	16
77	High-Performance Formamidinium-Based Perovskite Solar Cells via Microstructure-Mediated $\alpha$ - $\beta$ Phase Transformation. <i>Chemistry of Materials</i> , <b>2017</b> , 29, 3246-3250	9.6	79
76	Perovskite ink with wide processing window for scalable high-efficiency solar cells. <i>Nature Energy</i> , <b>2017</b> , 2,	62.3	398
75	Quantitative analysis of time-resolved microwave conductivity data. <i>Journal Physics D: Applied Physics</i> , <b>2017</b> , 50, 493002	3	56
74	Facile and scalable synthesis of hierarchically porous graphene architecture for hydrogen storage and high-rate supercapacitors. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2017</b> , 28, 17675-17681	2.1	7
73	Ag nanoparticles decorated ZnO nanoarrays with enhanced surface-enhanced Raman scattering and field emission property. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2017</b> , 28, 16233-16238	2.1	13
72	Mechanical and thermal properties of waterborne polyurethane films modified by CaCO <sub>3</sub> @TiO <sub>2</sub> particles with UV absorption activity. <i>Chemical Research in Chinese Universities</i> , <b>2017</b> , 33, 1007-1011	2.2	3
71	Acid Additives Enhancing the Conductivity of Spiro-OMeTAD Toward High-Efficiency and Hysteresis-Less Planar Perovskite Solar Cells. <i>Advanced Energy Materials</i> , <b>2017</b> , 7, 1601451	21.8	90
70	Ionic and Optical Properties of Methylammonium Lead Iodide Perovskite across the Tetragonal-Cubic Structural Phase Transition. <i>ChemSusChem</i> , <b>2016</b> , 9, 2692-2698	8.3	51
69	Cooperative tin oxide fullerene electron selective layers for high-performance planar perovskite solar cells. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 14276-14283	13	178
68	Effects of alloying on the optical properties of organic/inorganic lead halide perovskite thin films. <i>Journal of Materials Chemistry C</i> , <b>2016</b> , 4, 7775-7782	7.1	75
67	Improved Phase Stability of Formamidinium Lead Triiodide Perovskite by Strain Relaxation. <i>ACS Energy Letters</i> , <b>2016</b> , 1, 1014-1020	20.1	244
66	Facile fabrication of large-grain CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> -xBr <sub>x</sub> films for high-efficiency solar cells via CH <sub>3</sub> NH <sub>3</sub> Br-selective Ostwald ripening. <i>Nature Communications</i> , <b>2016</b> , 7, 12305	17.4	358
65	Selective dissolution of halide perovskites as a step towards recycling solar cells. <i>Nature Communications</i> , <b>2016</b> , 7, 11735	17.4	92

64	Stabilizing Perovskite Structures by Tuning Tolerance Factor: Formation of Formamidinium and Cesium Lead Iodide Solid-State Alloys. <i>Chemistry of Materials</i> , <b>2016</b> , 28, 284-292	9.6	1186
63	Carbon nanotubes as an efficient hole collector for high voltage methylammonium lead bromide perovskite solar cells. <i>Nanoscale</i> , <b>2016</b> , 8, 6352-60	7.7	76
62	Polarization and Dielectric Study of Methylammonium Lead Iodide Thin Film to Reveal its Nonferroelectric Nature under Solar Cell Operating Conditions. <i>ACS Energy Letters</i> , <b>2016</b> , 1, 142-149	20.1	82
61	Wire-shaped perovskite solar cell based on TiO <sub>2</sub> nanotubes. <i>Nanotechnology</i> , <b>2016</b> , 27, 20LT01	3.4	15
60	Third-order nonlinear optical properties of methylammonium lead halide perovskite films. <i>Journal of Materials Chemistry C</i> , <b>2016</b> , 4, 4847-4852	7.1	36
59	Perovskite solar cell using a two-dimensional titania nanosheet thin film as the compact layer. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 15117-22	9.5	17
58	TiO <sub>2</sub> nanotube arrays based flexible perovskite solar cells with transparent carbon nanotube electrode. <i>Nano Energy</i> , <b>2015</b> , 11, 728-735	17.1	249
57	Room-temperature synthesis of Cu(2-x)E (E = S, Se) nanotubes with hierarchical architecture as high-performance counter electrodes of quantum-dot-sensitized solar cells. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 1055-63	4.8	65
56	Thermoelectric transport across graphene/hexagonal boron nitride/graphene heterostructures. <i>Nano Research</i> , <b>2015</b> , 8, 666-672	10	76
55	Targeting Ideal Dual-Absorber Tandem Water Splitting Using Perovskite Photovoltaics and CuIn <sub>x</sub> Ga <sub>1-x</sub> Se <sub>2</sub> Photocathodes. <i>Advanced Energy Materials</i> , <b>2015</b> , 5, 1501520	21.8	89
54	Comparison of Recombination Dynamics in CH <sub>3</sub> NH <sub>3</sub> PbBr <sub>3</sub> and CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> Perovskite Films: Influence of Exciton Binding Energy. <i>Journal of Physical Chemistry Letters</i> , <b>2015</b> , 6, 4688-92	6.4	284
53	Recent progress in thermoelectric materials. <i>Science Bulletin</i> , <b>2014</b> , 59, 2073-2091		83
52	Laminated carbon nanotube networks for metal electrode-free efficient perovskite solar cells. <i>ACS Nano</i> , <b>2014</b> , 8, 6797-804	16.7	371
51	Facile synthesis of core-shell CuO/Ag nanowires with enhanced photocatalytic and enhancement in photocurrent. <i>Journal of Colloid and Interface Science</i> , <b>2014</b> , 419, 9-16	9.3	31
50	Large-Area Flexible Core-Shell Graphene/Porous Carbon Woven Fabric Films for Fiber Supercapacitor Electrodes. <i>Advanced Functional Materials</i> , <b>2013</b> , 23, n/a-n/a	15.6	29
49	Colloidal antireflection coating improves graphene-silicon solar cells. <i>Nano Letters</i> , <b>2013</b> , 13, 1776-81	11.5	277
48	Elastic carbon nanotube straight yarns embedded with helical loops. <i>Nanoscale</i> , <b>2013</b> , 5, 2403-10	7.7	32
47	Oil spill cleanup from sea water by carbon nanotube sponges. <i>Frontiers of Materials Science</i> , <b>2013</b> , 7, 170-176	2.5	57

46	Highly twisted double-helix carbon nanotube yarns. <i>ACS Nano</i> , <b>2013</b> , 7, 1446-53	16.7	73
45	Overtwisted, resolvable carbon nanotube yarn entanglement as strain sensors and rotational actuators. <i>ACS Nano</i> , <b>2013</b> , 7, 8128-35	16.7	80
44	Improve photocurrent quantum efficiency of carbon nanotube by chemical treatment. <i>Materials Chemistry and Physics</i> , <b>2012</b> , 131, 680-685	4.4	1
43	TiO <sub>2</sub> -coated carbon nanotube-silicon solar cells with efficiency of 15%. <i>Scientific Reports</i> , <b>2012</b> , 2, 884	4.9	127
42	Superlow thermal conductivity 3D carbon nanotube network for thermoelectric applications. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2012</b> , 4, 81-6	9.5	105
41	Bubble-promoted assembly of hierarchical, porous Ag <sub>2</sub> S nanoparticle membranes. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 24721		5
40	Hybrid effect of gas flow and light excitation in carbon/silicon Schottky solar cells. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 3330		12
39	Wire-supported CdSe nanowire array photoelectrochemical solar cells. <i>Physical Chemistry Chemical Physics</i> , <b>2012</b> , 14, 3583-8	3.6	20
38	Solution-processed bulk heterojunction solar cells based on interpenetrating CdS nanowires and carbon nanotubes. <i>Nano Research</i> , <b>2012</b> , 5, 595-604	10	7
37	Nanobelt-carbon nanotube cross-junction solar cells. <i>Energy and Environmental Science</i> , <b>2012</b> , 5, 6119	35.4	11
36	Comparison of Photovoltaic Performance Enhancement in BiFeO <sub>3</sub> by Using Graphene and Carbon Nanotubes as Transparent Electrode <b>2012</b> ,		1
35	Efficiency enhancement of graphene/silicon-pillar-array solar cells by HNO <sub>3</sub> and PEDOT-PSS. <i>Nanoscale</i> , <b>2012</b> , 4, 2130-3	7.7	69
34	Super-stretchable spring-like carbon nanotube ropes. <i>Advanced Materials</i> , <b>2012</b> , 24, 2896-900	24	165
33	Boron Doping of Graphene for Graphene-Silicon p-n Junction Solar Cells. <i>Advanced Energy Materials</i> , <b>2012</b> , 2, 425-429	21.8	147
32	Fiber and fabric solar cells by directly weaving carbon nanotube yarns with CdSe nanowire-based electrodes. <i>Nanoscale</i> , <b>2012</b> , 4, 4954-9	7.7	33
31	Photocatalytic, recyclable CdS nanoparticle-carbon nanotube hybrid sponges. <i>Nano Research</i> , <b>2012</b> , 5, 265-271	10	36
30	Topology evolution of graphene in chemical vapor deposition, a combined theoretical/experimental approach toward shape control of graphene domains. <i>Nanotechnology</i> , <b>2012</b> , 23, 115605	3.4	39
29	Gate tunable graphene-silicon Ohmic/Schottky contacts. <i>Applied Physics Letters</i> , <b>2012</b> , 101, 223113	3.4	37



28	Enhanced photovoltaic properties in graphene/polycrystalline BiFeO <sub>3</sub> /Pt heterojunction structure. <i>Applied Physics Letters</i> , <b>2011</b> , 99, 132904	3.4	91
27	Achieving high efficiency silicon-carbon nanotube heterojunction solar cells by acid doping. <i>Nano Letters</i> , <b>2011</b> , 11, 1901-5	11.5	216
26	Flame synthesis of few-layered graphene/graphite films. <i>Chemical Communications</i> , <b>2011</b> , 47, 3520-2	5.8	60
25	Controllable growth of shaped graphene domains by atmospheric pressure chemical vapour deposition. <i>Nanoscale</i> , <b>2011</b> , 3, 4946	7.7	33
24	Graphene buffered galvanic synthesis of graphene-metal hybrids. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 13241		21
23	A facile route to isotropic conductive nanocomposites by direct polymer infiltration of carbon nanotube sponges. <i>ACS Nano</i> , <b>2011</b> , 5, 4276-83	16.7	51
22	Synthesis of nitrogen-doped carbon thin films and their applications in solar cells. <i>Carbon</i> , <b>2011</b> , 49, 5022-5028	4.5	50
21	Fabrication of silicon microwire arrays for photovoltaic applications. <i>Applied Physics A: Materials Science and Processing</i> , <b>2011</b> , 102, 109-114	2.6	16
20	Graphene-CdSe nanobelt solar cells with tunable configurations. <i>Nano Research</i> , <b>2011</b> , 4, 891-900	10	56
19	CuI-Si heterojunction solar cells with carbon nanotube films as flexible top-contact electrodes. <i>Nano Research</i> , <b>2011</b> , 4, 979-986	10	18
18	Suspended, straightened carbon nanotube arrays by gel chapping. <i>ACS Nano</i> , <b>2011</b> , 5, 5656-61	16.7	16
17	Ethanol flame synthesis of highly transparent carbon thin films. <i>Carbon</i> , <b>2011</b> , 49, 237-241	10.4	22
16	Recyclable carbon nanotube sponges for oil absorption. <i>Acta Materialia</i> , <b>2011</b> , 59, 4798-4804	8.4	255
15	Step driven competitive epitaxial and self-limited growth of graphene on copper surface. <i>AIP Advances</i> , <b>2011</b> , 1, 032145	1.5	19
14	Hybrid thin films of graphene nanowhiskers and amorphous carbon as transparent conductors. <i>Chemical Communications</i> , <b>2010</b> , 46, 3502-4	5.8	32
13	Graphene Nano-patches on a Carbon Nanotube Network for Highly Transparent/Conductive Thin Film Applications. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 14008-14012	3.8	114
12	Large area, highly transparent carbon nanotube spiderwebs for energy harvesting. <i>Journal of Materials Chemistry</i> , <b>2010</b> , 20, 7236		62
11	Carbon nanotube and CdSe nanobelt Schottky junction solar cells. <i>Nano Letters</i> , <b>2010</b> , 10, 3583-9	11.5	84



10	Efficient energy conversion of nanotube/nanowire-based solar cells. <i>Chemical Communications</i> , <b>2010</b> , 46, 5533-5	5.8	33
9	Soft, highly conductive nanotube sponges and composites with controlled compressibility. <i>ACS Nano</i> , <b>2010</b> , 4, 2320-6	16.7	206
8	Graphene-on-silicon Schottky junction solar cells. <i>Advanced Materials</i> , <b>2010</b> , 22, 2743-8	24	910
7	Doped carbon nanotube array with a gradient of nitrogen concentration. <i>Carbon</i> , <b>2010</b> , 48, 3097-3102	10.4	37
6	One-dimensional heterostructures of single-walled carbon nanotubes and CdSe nanowires. <i>Small</i> , <b>2010</b> , 6, 376-80	11	15
5	Hybrid heterojunction and photoelectrochemistry solar cell based on silicon nanowires and double-walled carbon nanotubes. <i>Nano Letters</i> , <b>2009</b> , 9, 4338-42	11.5	88
4	Chirality Transfer from Chiral Mesoporous Silica to Perovskite CsPbBr <sub>3</sub> Nanocrystals: The Role of Chiral Confinement. <i>CCS Chemistry</i> , 1-20	7.2	0
3	Controlling the band structure and photocatalytic performance of single atom Ag/C <sub>3</sub> N <sub>4</sub> catalysts by variation of silver concentration. <i>Inorganic Chemistry Frontiers</i> ,	6.8	4
2	Boosting the electrochemistry of Li <sub>2</sub> O <sub>2</sub> in lithium-oxygen batteries by plasmon-induced hot-electron injection. <i>New Journal of Chemistry</i> ,	3.6	1
1	Interfacial Engineering of Wide-Bandgap Perovskites for Efficient Perovskite/CZTS <sub>2</sub> Tandem Solar Cells. <i>Advanced Functional Materials</i> , 2107359	15.6	10