Yang Yang

List of Publications by Citations

198 papers	57,478 citations	91 h-index	204 g-index
204 ext. papers	63,377 ext. citations	17.7 avg, IF	7.99 L-index

#	Paper	IF	Citations
198	Photovoltaics. Interface engineering of highly efficient perovskite solar cells. *Science*, **2014**, 345, 542-6	33.3	5272
197	High-efficiency solution processable polymer photovoltaic cells by self-organization of polymer blends. *Nature Materials*, **2005**, 4, 864-868	27	4965
196	Polymer solar cells. *Nature Photonics*, **2012**, 6, 153-161	33.9	3621
195	Polymer solar cells with enhanced open-circuit voltage and efficiency. *Nature Photonics*, **2009**, 3, 649-653	33.9	2870
194	A polymer tandem solar cell with 10.6% power conversion efficiency. *Nature Communications*, **2013**, 4, 1446	17.4	2456
193	Planar heterojunction perovskite solar cells via vapor-assisted solution process. *Journal of the American Chemical Society*, **2014**, 136, 622-5	16.4	1921
192	Solution-processed hybrid perovskite photodetectors with high detectivity. *Nature Communications* , **2014**, 5, 5404	17.4	1749
191	Improved air stability of perovskite solar cells via solution-processed metal oxide transport layers. *Nature Nanotechnology*, **2016**, 11, 75-81	28.7	1614
190	Tandem polymer solar cells featuring a spectrally matched low-bandgap polymer. *Nature Photonics*, **2012**, 6, 180-185	33.9	1299
189	Low-temperature solution-processed perovskite solar cells with high efficiency and flexibility. *ACS Nano*, **2014**, 8, 1674-80	16.7	1216
188	Next-generation organic photovoltaics based on non-fullerene acceptors. *Nature Photonics*, **2018**, 12, 131-142	33.9	1155
187	Controllable self-induced passivation of hybrid lead iodide perovskites toward high performance solar cells. *Nano Letters*, **2014**, 14, 4158-63	11.5	1143
186	Recent Progress in Polymer Solar Cells: Manipulation of Polymer:Fullerene Morphology and the Formation of Efficient Inverted Polymer Solar Cells. *Advanced Materials*, **2009**, 21, 1434-1449	24	1142
185	Synthesis, characterization, and photovoltaic properties of a low band gap polymer based on silole-containing polythiophenes and 2,1,3-benzothiadiazole. *Journal of the American Chemical Society*, **2008**, 130, 16144-5	16.4	1051
184	25th anniversary article: a decade of organic/polymeric photovoltaic research. *Advanced Materials*, **2013**, 25, 6642-71	24	978
183	Low-Bandgap Near-IR Conjugated Polymers/Molecules for Organic Electronics. *Chemical Reviews*, **2015**, 115, 12633-65	68.1	863
182	An efficient triple-junction polymer solar cell having a power conversion efficiency exceeding 11%. *Advanced Materials*, **2014**, 26, 5670-7	24	718

181	Bandgap and Molecular Energy Level Control of Conjugated Polymer Photovoltaic Materials Based on Benzo[1,2-b:4,5-b?]dithiophene. *Macromolecules*, **2008**, 41, 6012-6018	5.5	675
180	Synthesis of a low band gap polymer and its application in highly efficient polymer solar cells. *Journal of the American Chemical Society*, **2009**, 131, 15586-7	16.4	673
179	Investigation of annealing effects and film thickness dependence of polymer solar cells based on poly(3-hexylthiophene). *Journal of Applied Physics*, **2005**, 98, 043704	2.5	661
178	Vertical Phase Separation in Poly(3-hexylthiophene): Fullerene Derivative Blends and its Advantage for Inverted Structure Solar Cells. *Advanced Functional Materials*, **2009**, 19, 1227-1234	15.6	628
177	Single Crystal Formamidinium Lead Iodide (FAPbI3): Insight into the Structural, Optical, and Electrical Properties. *Advanced Materials*, **2016**, 28, 2253-8	24	578
176	Ultra-bright and highly efficient inorganic based perovskite light-emitting diodes. *Nature Communications*, **2017**, 8, 15640	17.4	557
175	A Review of Perovskites Solar Cell Stability. *Advanced Functional Materials*, **2019**, 29, 1808843	15.6	554
174	Solution-processed small-molecule solar cells: breaking the 10% power conversion efficiency. *Scientific Reports*, **2013**, 3, 3356	4.9	511
173	Systematic investigation of benzodithiophene- and diketopyrrolopyrrole-based low-bandgap polymers designed for single junction and tandem polymer solar cells. *Journal of the American Chemical Society*, **2012**, 134, 10071-9	16.4	504
172	High-efficiency robust perovskite solar cells on ultrathin flexible substrates. *Nature Communications*, **2016**, 7, 10214	17.4	444
171	Polymer-modified halide perovskite films for efficient and stable planar heterojunction solar cells. *Science Advances*, **2017**, 3, e1700106	14.3	443
170	Bandgap and Molecular Level Control of the Low-Bandgap Polymers Based on 3,6-Dithiophen-2-yl-2,5-dihydropyrrolo[3,4-c]pyrrole-1,4-dione toward Highly Efficient Polymer Solar Cells. *Macromolecules*, **2009**, 42, 6564-6571	5.5	442
169	Efficiency enhancement in organic solar cells with ferroelectric polymers. *Nature Materials*, **2011**, 10, 296-302	27	439
168	Visibly transparent polymer solar cells produced by solution processing. *ACS Nano*, **2012**, 6, 7185-90	16.7	434
167	Constructive molecular configurations for surface-defect passivation of perovskite photovoltaics. *Science*, **2019**, 366, 1509-1513	33.3	434
166	Multifunctional Fullerene Derivative for Interface Engineering in Perovskite Solar Cells. *Journal of the American Chemical Society*, **2015**, 137, 15540-7	16.4	433
165	2D perovskite stabilized phase-pure formamidinium perovskite solar cells. *Nature Communications*, **2018**, 9, 3021	17.4	407
164	Guanidinium: A Route to Enhanced Carrier Lifetime and Open-Circuit Voltage in Hybrid Perovskite Solar Cells. *Nano Letters*, **2016**, 16, 1009-16	11.5	400

163	A selenium-substituted low-bandgap polymer with versatile photovoltaic applications. *Advanced Materials*, **2013**, 25, 825-31	24	370
162	Hole selective NiO contact for efficient perovskite solar cells with carbon electrode. *Nano Letters*, **2015**, 15, 2402-8	11.5	357
161	Interfacial Degradation of Planar Lead Halide Perovskite Solar Cells. *ACS Nano*, **2016**, 10, 218-24	16.7	357
160	The optoelectronic role of chlorine in CH3NH3PbI3(Cl)-based perovskite solar cells. *Nature Communications*, **2015**, 6, 7269	17.4	354
159	Silicon atom substitution enhances interchain packing in a thiophene-based polymer system. *Advanced Materials*, **2010**, 22, 371-5	24	340
158	Plasmonic polymer tandem solar cell. *ACS Nano*, **2011**, 5, 6210-7	16.7	304
157	Highly efficient tandem polymer photovoltaic cells. *Advanced Materials*, **2010**, 22, 380-3	24	304
156	Aptamer-field-effect transistors overcome Debye length limitations for small-molecule sensing. *Science*, **2018**, 362, 319-324	33.3	287
155	The identification and characterization of defect states in hybrid organic-inorganic perovskite photovoltaics. *Physical Chemistry Chemical Physics*, **2015**, 17, 112-6	3.6	285
154	Synthesis of 5H-Dithieno[3,2-b:2?,3?-d]pyran as an Electron-Rich Building Block for Donor–Acceptor Type Low-Bandgap Polymers. *Macromolecules*, **2013**, 46, 3384-3390	5.5	273
153	Caffeine Improves the Performance and Thermal Stability of Perovskite Solar Cells. *Joule*, **2019**, 3, 1464-1477	17.7	266
152	Perovskite-polymer composite cross-linker approach for highly-stable and efficient perovskite solar cells. *Nature Communications*, **2019**, 10, 520	17.4	262
151	Enabling low voltage losses and high photocurrent in fullerene-free organic photovoltaics. *Nature Communications*, **2019**, 10, 570	17.4	260
150	Efficient Polymer Solar Cells with Thin Active Layers Based on Alternating Polyfluorene Copolymer/Fullerene Bulk Heterojunctions. *Advanced Materials*, **2009**, 21, 4238-4242	24	240
149	Tuning Molecular Interactions for Highly Reproducible and Efficient Formamidinium Perovskite Solar Cells via Adduct Approach. *Journal of the American Chemical Society*, **2018**, 140, 6317-6324	16.4	233
148	A Bifunctional Lewis Base Additive for Microscopic Homogeneity in Perovskite Solar Cells. *CheM*, **2017**, 3, 290-302	16.2	232
147	Recent trends in polymer tandem solar cells research. *Progress in Polymer Science*, **2013**, 38, 1909-1928	29.6	232
146	Low-bandgap conjugated polymers enabling solution-processable tandem solar cells. *Nature Reviews Materials*, **2017**, 2,	73.3	229

145	High-performance perovskite/Cu(In,Ga)Se monolithic tandem solar cells. *Science*, **2018**, 361, 904-908	33.3	228
144	Tailoring the Interfacial Chemical Interaction for High-Efficiency Perovskite Solar Cells. *Nano Letters*, **2017**, 17, 269-275	11.5	223
143	Make perovskite solar cells stable. *Nature*, **2017**, 544, 155-156	50.4	221
142	Perovskite Solar Cells Employing Dopant-Free Organic Hole Transport Materials with Tunable Energy Levels. *Advanced Materials*, **2016**, 28, 440-6	24	217
141	A robust inter-connecting layer for achieving high performance tandem polymer solar cells. *Advanced Materials*, **2011**, 23, 3465-70	24	214
140	Interface and Defect Engineering for Metal Halide Perovskite Optoelectronic Devices. *Advanced Materials*, **2019**, 31, e1803515	24	201
139	Tandem polymer photovoltaic cells□urrent status, challenges and future outlook. *Energy and Environmental Science*, **2011**, 4, 1606	35.4	179
138	The Interplay between Trap Density and Hysteresis in Planar Heterojunction Perovskite Solar Cells. *Nano Letters*, **2017**, 17, 4270-4276	11.5	175
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136	Tailored Phase Conversion under Conjugated Polymer Enables Thermally Stable Perovskite Solar Cells with Efficiency Exceeding 21. *Journal of the American Chemical Society*, **2018**, 140, 17255-17262	16.4	162
135	A metal-oxide interconnection layer for polymer tandem solar cells with an inverted architecture. *Advanced Materials*, **2011**, 23, 1282-6	24	159
134	Efficient Planar Perovskite Solar Cells with Improved Fill Factor via Interface Engineering with Graphene. *Nano Letters*, **2018**, 18, 2442-2449	11.5	154
133	High-performance semi-transparent polymer solar cells possessing tandem structures. *Energy and Environmental Science*, **2013**, 6, 2714	35.4	154
132	Boost up mobility of solution-processed metal oxide thin-film transistors via confining structure on electron pathways. *Advanced Materials*, **2014**, 26, 4273-8	24	149
131	The role of grain boundaries in perovskite solar cells. *Materials Today Energy*, **2018**, 7, 149-160	7	149
130	Composition Stoichiometry of CsAgBiBr Films for Highly Efficient Lead-Free Perovskite Solar Cells. *Nano Letters*, **2019**, 19, 2066-2073	11.5	148
129	Pure Formamidinium-Based Perovskite Light-Emitting Diodes with High Efficiency and Low Driving Voltage. *Advanced Materials*, **2017**, 29, 1603826	24	145
128	Multilayer Transparent Top Electrode for Solution Processed Perovskite/Cu(In,Ga)(Se,S)2 Four Terminal Tandem Solar Cells. *ACS Nano*, **2015**, 9, 7714-21	16.7	139

127	Transparent Polymer Photovoltaics for Solar Energy Harvesting and Beyond. *Joule*, **2018**, 2, 1039-1054	27.8	137
126	Integrated perovskite/bulk-heterojunction toward efficient solar cells. *Nano Letters*, **2015**, 15, 662-8	11.5	129
125	Perovskite/polymer monolithic hybrid tandem solar cells utilizing a low-temperature, full solution process. *Materials Horizons*, **2015**, 2, 203-211	14.4	127
124	Verification and mitigation of ion migration in perovskite solar cells. *APL Materials*, **2019**, 7, 041111	5.7	125
123	High-Performance Organic Bulk-Heterojunction Solar Cells Based on Multiple-Donor or Multiple-Acceptor Components. *Advanced Materials*, **2018**, 30, 1705706	24	124
122	Active layer-incorporated, spectrally tuned Au/SiO2 core/shell nanorod-based light trapping for organic photovoltaics. *ACS Nano*, **2013**, 7, 3815-22	16.7	124
121	Highly Efficient Semitransparent Organic Solar Cells with Color Rendering Index Approaching 100. *Advanced Materials*, **2019**, 31, e1807159	24	122
120	The surface of halide perovskites from nano to bulk. *Nature Reviews Materials*, **2020**, 5, 809-827	73.3	119
119	Fabrication of High-Performance Ultrathin In2O3 Film Field-Effect Transistors and Biosensors Using Chemical Lift-Off Lithography. *ACS Nano*, **2015**, 9, 4572-82	16.7	117
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116	Capacitance–voltage characterization of polymer light-emitting diodes. *Journal of Applied Physics*, **2005**, 97, 054504	2.5	111
115	Unique Energy Alignments of a Ternary Material System toward High-Performance Organic Photovoltaics. *Advanced Materials*, **2018**, 30, e1801501	24	110
114	Rational Tuning of Molecular Interaction and Energy Level Alignment Enables High-Performance Organic Photovoltaics. *Advanced Materials*, **2019**, 31, e1904215	24	108
113	Direct light pattern integration of low-temperature solution-processed all-oxide flexible electronics. *ACS Nano*, **2014**, 8, 9680-6	16.7	106
112	Printable Ultrathin Metal Oxide Semiconductor-Based Conformal Biosensors. *ACS Nano*, **2015**, 9, 12174-81	16.7	105
111	Tailored Phase Transformation of CsPbIBr Films by Copper(II) Bromide for High-Performance All-Inorganic Perovskite Solar Cells. *Nano Letters*, **2019**, 19, 5176-5184	11.5	105
110	Poly[4,4-bis(2-ethylhexyl)cyclopenta[2,1-b;3,4-b?]dithiophene-2,6-diyl-alt-2,1,3-benzoselenadiazole-4,7-diyl], a New Low Band Gap Polymer in Polymer Solar Cells. *Journal of Physical Chemistry C*, **2009**, 113, 1601-1605	3.8	97

109	Crystalline Liquid-like Behavior: Surface-Induced Secondary Grain Growth of Photovoltaic Perovskite Thin Film. *Journal of the American Chemical Society*, **2019**, 141, 13948-13953	16.4	96
108	Narrowing the Band Gap: The Key to High-Performance Organic Photovoltaics. *Accounts of Chemical Research*, **2020**, 53, 1218-1228	24.3	93
107	Ternary System with Controlled Structure: A New Strategy toward Efficient Organic Photovoltaics. *Advanced Materials*, **2018**, 30, 1705243	24	91
106	Morphology Evolution of High Efficiency Perovskite Solar Cells via Vapor Induced Intermediate Phases. *Journal of the American Chemical Society*, **2016**, 138, 15710-15716	16.4	91
105	Low-Temperature TiOx Compact Layer for Planar Heterojunction Perovskite Solar Cells. *ACS Applied Materials & Interfaces*, **2016**, 8, 11076-83	9.5	91
104	Unraveling Sunlight by Transparent Organic Semiconductors toward Photovoltaic and Photosynthesis. *ACS Nano*, **2019**, 13, 1071-1077	16.7	89
103	A Polymerization-Assisted Grain Growth Strategy for Efficient and Stable Perovskite Solar Cells. *Advanced Materials*, **2020**, 32, e1907769	24	87
102	Combining Energy Transfer and Optimized Morphology for Highly Efficient Ternary Polymer Solar Cells. *Advanced Energy Materials*, **2017**, 7, 1602552	21.8	85
101	Relating Recombination, Density of States, and Device Performance in an Efficient Polymer:Fullerene Organic Solar Cell Blend. *Advanced Energy Materials*, **2013**, 3, 1201-1209	21.8	81
100	Side-Chain Tunability via Triple Component Random Copolymerization for Better Photovoltaic Polymers. *Advanced Energy Materials*, **2014**, 4, 1300864	21.8	76
99	Steric Impediment of Ion Migration Contributes to Improved Operational Stability of Perovskite Solar Cells. *Advanced Materials*, **2020**, 32, e1906995	24	76
98	Shallow Iodine Defects Accelerate the Degradation of α-Phase Formamidinium Perovskite. *Joule*, **2020**, 4, 2426-2442	27.8	72
97	Molecular Interaction Regulates the Performance and Longevity of Defect Passivation for Metal Halide Perovskite Solar Cells. *Journal of the American Chemical Society*, **2020**, 142, 20071-20079	16.4	72
96	Stable and low-photovoltage-loss perovskite solar cells by multifunctional passivation. *Nature Photonics*, **2021**, 15, 681-689	33.9	72
95	Core-Shell ZnO@SnO Nanoparticles for Efficient Inorganic Perovskite Solar Cells. *Journal of the American Chemical Society*, **2019**, 141, 17610-17616	16.4	69
94	Reconfiguring the band-edge states of photovoltaic perovskites by conjugated organic cations. *Science*, **2021**, 371, 636-640	33.3	69
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91	Extremely stable graphene electrodes doped with macromolecular acid. *Nature Communications*, **2018**, 9, 2037	17.4	65
90	Polarized Ferroelectric Polymers for High-Performance Perovskite Solar Cells. *Advanced Materials*, **2019**, 31, e1902222	24	64
89	Quasi-Two-Dimensional Metal Oxide Semiconductors Based Ultrasensitive Potentiometric Biosensors. *ACS Nano*, **2017**, 11, 4710-4718	16.7	61
88	Unraveling the High Open Circuit Voltage and High Performance of Integrated Perovskite/Organic Bulk-Heterojunction Solar Cells. *Nano Letters*, **2017**, 17, 5140-5147	11.5	61
87	A Small-Molecule "Charge Driver" enables Perovskite Quantum Dot Solar Cells with Efficiency Approaching 13. *Advanced Materials*, **2019**, 31, e1900111	24	58
86	Efficient and Reproducible Monolithic Perovskite/Organic Tandem Solar Cells with Low-Loss Interconnecting Layers. *Joule*, **2020**, 4, 1594-1606	27.8	57
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84	Hermetic seal for perovskite solar cells: An improved plasma enhanced atomic layer deposition encapsulation. *Nano Energy*, **2020**, 69, 104375	17.1	56
83	Efficient Tandem Organic Photovoltaics with Tunable Rear Sub-cells. *Joule*, **2019**, 3, 432-442	27.8	54
82	Highly efficient organic pin photovoltaic cells based on tetraphenyldibenzoperiflanthene and fullerene C70. *Energy and Environmental Science*, **2013**, 6, 249-255	35.4	53
81	Prospects for metal halide perovskite-based tandem solar cells. *Nature Photonics*, **2021**, 15, 411-425	33.9	52
80	Interface Engineering of Metal Oxide Semiconductors for Biosensing Applications. *Advanced Materials Interfaces*, **2017**, 4, 1700020	4.6	51
79	Single-Layered MXene Nanosheets Doping TiO for Efficient and Stable Double Perovskite Solar Cells. *Journal of the American Chemical Society*, **2021**, 143, 2593-2600	16.4	51
78	Printable Solar Cells from Advanced Solution-Processible Materials. *CheM*, **2016**, 1, 197-219	16.2	50
77	20% Efficient Perovskite Solar Cells with 2D Electron Transporting Layer. *Advanced Functional Materials*, **2019**, 29, 1805168	15.6	49
76	Achieving ordered and stable binary metal perovskite via strain engineering. *Nano Energy*, **2018**, 48, 117-127	17.1	48
75	Enhancing photovoltaic performance by tuning the domain sizes of a small-molecule acceptor by side-chain-engineered polymer donors. *Journal of Materials Chemistry A*, **2019**, 7, 3072-3082	13	46
74	High-Performance All-Polymer Solar Cells with a Pseudo-Bilayer Configuration Enabled by a Stepwise Optimization Strategy. *Advanced Functional Materials*, **2021**, 31, 2010411	15.6	46

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72	Semiconducting carbon nanotubes as crystal growth templates and grain bridges in perovskite solar cells. *Journal of Materials Chemistry A*, **2019**, 7, 12987-12992	13	44
71	Vapor-Assisted Ex-Situ Doping of Carbon Nanotube toward Efficient and Stable Perovskite Solar Cells. *Nano Letters*, **2019**, 19, 2223-2230	11.5	43
70	Stable and Reproducible 2D/3D Formamidinium□ead□bdide Perovskite Solar Cells. *ACS Applied Energy Materials*, **2019**, 2, 2486-2493	6.1	42
69	Halide Perovskites for Tandem Solar Cells. *Journal of Physical Chemistry Letters*, **2017**, 8, 1999-2011	6.4	41
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67	Energy transfer within small molecule/conjugated polymer blends enhances photovoltaic efficiency. *Journal of Materials Chemistry A*, **2017**, 5, 18053-18063	13	41
66	Molecular engineering of side chain architecture of conjugated polymers enhances performance of photovoltaics by tuning ternary blend structures. *Nano Energy*, **2018**, 43, 138-148	17.1	41
65	Surface Reconstruction of Halide Perovskites During Post-treatment. *Journal of the American Chemical Society*, **2021**, 143, 6781-6786	16.4	39
64	10.5% efficient polymer and amorphous silicon hybrid tandem photovoltaic cell. *Nature Communications*, **2015**, 6, 6391	17.4	38
63	Solid-phase hetero epitaxial growth of □phase formamidinium perovskite. *Nature Communications*, **2020**, 11, 5514	17.4	38
62	Surface-2D/Bulk-3D Heterophased Perovskite Nanograins for Long-Term-Stable Light-Emitting Diodes. *Advanced Materials*, **2020**, 32, e1905674	24	36
61	Controlled Redox of Lithium-Ion Endohedral Fullerene for Efficient and Stable Metal Electrode-Free Perovskite Solar Cells. *Journal of the American Chemical Society*, **2019**, 141, 16553-16558	16.4	35
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58	Potassium-Presenting Zinc Oxide Surfaces Induce Vertical Phase Separation in Fullerene-Free Organic Photovoltaics. *Nano Letters*, **2020**, 20, 715-721	11.5	34
57	Transparent Hole-Transporting Frameworks: A Unique Strategy to Design High-Performance Semitransparent Organic Photovoltaics. *Advanced Materials*, **2020**, 32, e2003891	24	34
56	Low-Impurity High-Performance Solution-Processed Metal Oxide Semiconductors via a Facile Redox Reaction. *Chemistry of Materials*, **2015**, 27, 4713-4718	9.6	33

55	Stability-limiting heterointerfaces of perovskite photovoltaics.. *Nature*, **2022**,	50.4	31
54	Triplet exciton formation for non-radiative voltage loss in high-efficiency nonfullerene organic solar cells. *Joule*, **2021**, 5, 1832-1844	27.8	30
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49	High Efficiency Non-fullerene Organic Tandem Photovoltaics Based on Ternary Blend Subcells. *Nano Letters*, **2018**, 18, 7977-7984	11.5	25
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46	High Mobility Indium Oxide Electron Transport Layer for an Efficient Charge Extraction and Optimized Nanomorphology in Organic Photovoltaics. *Nano Letters*, **2018**, 18, 5805-5811	11.5	22
45	High-Performance Organic Photovoltaics Incorporating an Active Layer with a Few Nanometer-Thick Third-Component Layer on a Binary Blend Layer. *Nano Letters*, **2021**, 21, 2207-2215	11.5	21
44	Stable and Efficient Methylammonium-, Cesium-, and Bromide-Free Perovskite Solar Cells by In-Situ Interlayer Formation. *Advanced Functional Materials*, **2021**, 31, 2007520	15.6	19
43	Photocatalytic Chemical CO2 Fixation by Cu-BDC Nanosheet@Macroporous□Mesoporous-TiO2 under Mild Conditions. *ACS Catalysis*, **2019**, 9, 8659-8668	13.1	17
42	Enabling Efficient Tandem Organic Photovoltaics with High Fill Factor via Reduced Charge Recombination. *ACS Energy Letters*, **2019**, 4, 1535-1540	20.1	16
41	High Performance Indium-Gallium-Zinc Oxide Thin Film Transistor via Interface Engineering. *Advanced Functional Materials*, **2020**, 30, 2003285	15.6	16
40	Surface Reconstruction for Stable Monolithic All-Inorganic Perovskite/Organic Tandem Solar Cells with over 21% Efficiency. *Advanced Functional Materials*,2109321	15.6	16
39	Enabling High-Performance Tandem Organic Photovoltaic Cells by Balancing the Front and Rear Subcells. *Advanced Materials*, **2020**, 32, e2002315	24	16
38	Large-Area, Ultrathin Metal-Oxide Semiconductor Nanoribbon Arrays Fabricated by Chemical Lift-Off Lithography. *Nano Letters*, **2018**, 18, 5590-5595	11.5	15

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33	High-Performance Organic Solar Cells Featuring Double Bulk Heterojunction Structures with Vertical-Gradient Selenium Heterocyclic Nonfullerene Acceptor Concentrations. *ACS Applied Materials & Interfaces*, **2021**, 13, 27227-27236	9.5	12
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