

# Yantao Shi

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5897887/publications.pdf>

Version: 2024-02-01

115  
papers

5,208  
citations

87888

38  
h-index

95266

68  
g-index

115  
all docs

115  
docs citations

115  
times ranked

6887  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Power of Single-Atom Catalysis. <i>ChemCatChem</i> , 2015, 7, 2559-2567.	3.7	289
2	Hole-Conductor-Free, Metal-Electrode-Free $\text{TiO}_2/\text{CH}_3\text{NH}_3\text{PbI}_3$ Heterojunction Solar Cells Based on a Low-Temperature Carbon Electrode. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 3241-3246.	4.6	258
3	Low-Temperature and Solution-Processed Amorphous $\text{WO}_x$ as Electron-Selective Layer for Perovskite Solar Cells. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 755-759.	4.6	224
4	Insight into Perovskite Solar Cells Based on $\text{SnO}_2$ Compact Electron-Selective Layer. <i>Journal of Physical Chemistry C</i> , 2015, 119, 10212-10217.	3.1	209
5	Interpenetrating interfaces for efficient perovskite solar cells with high operational stability and mechanical robustness. <i>Nature Communications</i> , 2021, 12, 973.	12.8	189
6	In-situ liquid cell transmission electron microscopy investigation on oriented attachment of gold nanoparticles. <i>Nature Communications</i> , 2018, 9, 421.	12.8	171
7	Energetically favored formation of $\text{SnO}_2$ nanocrystals as electron transfer layer in perovskite solar cells with high efficiency exceeding 19%. <i>Nano Energy</i> , 2017, 40, 336-344.	16.0	160
8	Low-Temperature Processed and Carbon-Based $\text{ZnO}/\text{CH}_3\text{NH}_3\text{PbI}_3/\text{C}$ Planar Heterojunction Perovskite Solar Cells. <i>Journal of Physical Chemistry C</i> , 2015, 119, 4600-4605.	3.1	153
9	Ultrarapid Sonochemical Synthesis of $\text{ZnO}$ Hierarchical Structures: From Fundamental Research to High Efficiencies up to 6.42% for Quasi-Solid Dye-Sensitized Solar Cells. <i>Chemistry of Materials</i> , 2013, 25, 1000-1012.	6.7	124
10	Single-Atom Catalysis in Mesoporous Photovoltaics: The Principle of Utility Maximization. <i>Advanced Materials</i> , 2014, 26, 8147-8153.	21.0	122
11	Flexible perovskite solar cells with simultaneously improved efficiency, operational stability, and mechanical reliability. <i>Joule</i> , 2021, 5, 1587-1601.	24.0	120
12	Amorphous Inorganic Electron-Selective Layers for Efficient Perovskite Solar Cells: Feasible Strategy Towards Room-Temperature Fabrication. <i>Advanced Materials</i> , 2016, 28, 1891-1897.	21.0	115
13	A dual functional additive for the HTM layer in perovskite solar cells. <i>Chemical Communications</i> , 2014, 50, 5020.	4.1	110
14	Highly efficient telluride electrocatalysts for use as Pt-free counter electrodes in dye-sensitized solar cells. <i>Chemical Communications</i> , 2013, 49, 10157.	4.1	107
15	Atomically thin $\text{MoSe}_2/\text{graphene}$ and $\text{WSe}_2/\text{graphene}$ nanosheets for the highly efficient oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2015, 3, 24397-24404.	10.3	106
16	Efficient stable graphene-based perovskite solar cells with high flexibility in device assembling via modular architecture design. <i>Energy and Environmental Science</i> , 2019, 12, 3585-3594.	30.8	102
17	Improved $\text{SnO}_2$ Electron Transport Layers Solution-Deposited at Near Room Temperature for Rigid or Flexible Perovskite Solar Cells with High Efficiencies. <i>Advanced Energy Materials</i> , 2019, 9, 1900834.	19.5	100
18	High-Performance Lead-Free Solar Cells Based on Tin-Halide Perovskite Thin Films Functionalized by a Divalent Organic Cation. <i>ACS Energy Letters</i> , 2020, 5, 2223-2230.	17.4	96

#	ARTICLE	IF	CITATIONS
19	Effects of 4-tert-butylpyridine on perovskite formation and performance of solution-processed perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2015, 3, 22191-22198.	10.3	85
20	W(Nb)O <sub>x</sub> -based efficient flexible perovskite solar cells: From material optimization to working principle. <i>Nano Energy</i> , 2017, 31, 424-431.	16.0	85
21	Solid-State Synthesis of ZnO Nanostructures for Quasi-Solid Dye-Sensitized Solar Cells with High Efficiencies up to 6.46%. <i>Advanced Materials</i> , 2013, 25, 4413-4419.	21.0	72
22	Composite catalyst of rosin carbon/Fe <sub>3</sub> O <sub>4</sub> : highly efficient counter electrode for dye-sensitized solar cells. <i>Chemical Communications</i> , 2014, 50, 1701.	4.1	72
23	Ti-graphene single-atom material for improved energy level alignment in perovskite solar cells. <i>Nature Energy</i> , 2021, 6, 1154-1163.	39.5	72
24	Bromine Doping as an Efficient Strategy to Reduce the Interfacial Defects in Hybrid Two-Dimensional/Three-Dimensional Stacking Perovskite Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 31755-31764.	8.0	65
25	CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> and CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> -xCl <sub>x</sub> in Planar or Mesoporous Perovskite Solar Cells: Comprehensive Insight into the Dependence of Performance on Architecture. <i>Journal of Physical Chemistry C</i> , 2015, 119, 15868-15873.	3.1	63
26	Surface Oxygen Vacancy-Dependent Electrocatalytic Activity of W <sub>18</sub> O <sub>49</sub> Nanowires. <i>Journal of Physical Chemistry C</i> , 2014, 118, 20100-20106.	3.1	62
27	Integration of Morphology and Electronic Structure Modulation on Atomic Iron-Nitrogen-Carbon Catalysts for Highly Efficient Oxygen Reduction. <i>Advanced Functional Materials</i> , 2022, 32, 2108345.	14.9	61
28	Carbon-based single atom catalysts for tailoring the ORR pathway: a concise review. <i>Journal of Materials Chemistry A</i> , 2021, 9, 24803-24829.	10.3	60
29	Transition metal selenides as efficient counter-electrode materials for dye-sensitized solar cells. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 28985-28992.	2.8	59
30	Interlaced W <sub>18</sub> O <sub>49</sub> nanofibers as a superior catalyst for the counter electrode of highly efficient dye-sensitized solar cells. <i>Journal of Materials Chemistry A</i> , 2014, 2, 4347-4354.	10.3	58
31	Melt-salt-assisted direct transformation of solid oxide into atomically dispersed FeN <sub>4</sub> sites on nitrogen-doped porous carbon. <i>Nano Energy</i> , 2020, 72, 104670.	16.0	58
32	Two methoxyaniline-substituted dibenzofuran derivatives as hole-transport materials for perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2016, 4, 5415-5422.	10.3	56
33	The electrically conductive function of high-molecular weight poly(ethylene oxide) in polymer gel electrolytes used for dye-sensitized solar cells. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 4230.	2.8	54
34	Cost-effective and morphology-controllable niobium diselenides for highly efficient counter electrodes of dye-sensitized solar cells. <i>Journal of Materials Chemistry A</i> , 2013, 1, 11874.	10.3	52
35	Discontinuous SnO <sub>2</sub> derived blended-interfacial-layer in mesoscopic perovskite solar cells: Minimizing electron transfer resistance and improving stability. <i>Nano Energy</i> , 2017, 38, 358-367.	16.0	47
36	Iron oxide nanostructures as highly efficient heterogeneous catalysts for mesoscopic photovoltaics. <i>Journal of Materials Chemistry A</i> , 2014, 2, 15279-15283.	10.3	45

#	ARTICLE	IF	CITATIONS
37	Room Temperature Fabrication of SnO <sub>2</sub> Electrodes Enabling Barrier-Free Electron Extraction for Efficient Flexible Perovskite Photovoltaics. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	42
38	CNT-based bifacial perovskite solar cells toward highly efficient 4-terminal tandem photovoltaics. <i>Energy and Environmental Science</i> , 2022, 15, 1536-1544.	30.8	39
39	Carbon-based HTL-free modular perovskite solar cells with improved contact at perovskite/carbon interfaces. <i>Journal of Materials Chemistry C</i> , 2020, 8, 9262-9270.	5.5	38
40	Asymmetric alkyl diamine based Dionâ€Jacobson low-dimensional perovskite solar cells with efficiency exceeding 15%. <i>Journal of Materials Chemistry A</i> , 2020, 8, 9919-9926.	10.3	38
41	Synergetic Coâ€Modulation of Crystallization and Coâ€Passivation of Defects for FAPbI <sub>3</sub> Perovskite Solar Cells. <i>Advanced Functional Materials</i> , 2022, 32, 2108567.	14.9	38
42	Asymmetric organic diammonium salt buried in SnO <sub>2</sub> layer enables fast carrier transfer and interfacial defects passivation for efficient perovskite solar cells. <i>Chemical Engineering Journal</i> , 2022, 442, 136291.	12.7	37
43	Hexylammonium Iodide Derived Two-Dimensional Perovskite as Interfacial Passivation Layer in Efficient Two-Dimensional/Three-Dimensional Perovskite Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 698-705.	8.0	36
44	Defective MWCNT Enabled Dual Interface Coupling for Carbonâ€Based Perovskite Solar Cells with Efficiency Exceeding 22%. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	35
45	Atomically thin SiC nanoparticles obtained via ultrasonic treatment to realize enhanced catalytic activity for the oxygen reduction reaction in both alkaline and acidic media. <i>RSC Advances</i> , 2017, 7, 22875-22881.	3.6	34
46	Tea-leaf-residual derived electrocatalyst: Hierarchical pore structure and self nitrogen and fluorine co-doping for efficient oxygen reduction reaction. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 19492-19499.	7.1	33
47	Biomass-Derived Multilayer-Graphene-Encapsulated Cobalt Nanoparticles as Efficient Electrocatalyst for Versatile Renewable Energy Applications. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 1137-1145.	6.7	31
48	A Novel Singleâ€Atom Electrocatalyst Ti <sub>1</sub> /rGO for Efficient Cathodic Reduction in Hybrid Photovoltaics. <i>Advanced Materials</i> , 2020, 32, e2000478.	21.0	31
49	Morphology dependence of performance of counter electrodes for dye-sensitized solar cells of hydrothermally prepared hierarchical Cu <sub>2</sub> ZnSnS <sub>4</sub> nanostructures. <i>RSC Advances</i> , 2013, 3, 23264.	3.6	29
50	Salt melt synthesis of Chlorella-derived nitrogen-doped porous carbon with atomically dispersed CoN <sub>4</sub> sites for efficient oxygen reduction reaction. <i>Journal of Colloid and Interface Science</i> , 2021, 586, 498-504.	9.4	29
51	Printable fabrication of Pt-and-ITO free counter electrodes for completely flexible quasi-solid dye-sensitized solar cells. <i>Journal of Materials Chemistry A</i> , 2013, 1, 3932.	10.3	28
52	Onion-like graphitic carbon covering metallic nanocrystals derived from brown coal as a stable and efficient counter electrode for dye-sensitized solar cells. <i>Journal of Power Sources</i> , 2019, 414, 495-501.	7.8	28
53	<math>C_3N_3H_3</math> Perovskite <math>C_3N_3H_3</math> Perovskite <math>C_3N_3H_3</math> Perovskite	3.2	26
54	High-Performance and Stable Mesoporous Perovskite Solar Cells via Well-Crystallized FA <sub>0.85</sub> MA <sub>0.15</sub> Pb(I <sub>0.8</sub> Br <sub>0.2</sub> ) <sub>3</sub> . <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 2989-2996.	8.0	26

#	ARTICLE	IF	CITATIONS
55	[NH <sub>3</sub> ](CH <sub>2</sub> ) <sub>6</sub> NH <sub>3</sub> ]PbI <sub>4</sub> as Dionâ€“Jacobson phase bifunctional capping layer for 2D/3D perovskite solar cells with high efficiency and excellent UV stability. <i>Journal of Materials Chemistry A</i> , 2020, 8, 10283-10290.	10.3	26
56	Critical Role of Organoamines in the Irreversible Degradation of a Metal Halide Perovskite Precursor Colloid: Mechanism and Inhibiting Strategy. <i>ACS Energy Letters</i> , 2022, 7, 481-489.	17.4	26
57	Lewis base governing superficial proton behavior of hybrid perovskite: Basicity dependent passivation strategy. <i>Chemical Engineering Journal</i> , 2022, 446, 137033.	12.7	26
58	Experimental investigation and theoretical exploration of single-atom electrocatalysis in hybrid photovoltaics: The powerful role of Pt atoms in triiodide reduction. <i>Nano Energy</i> , 2017, 39, 1-8.	16.0	25
59	An insight into the reaction mechanism of CO <sub>2</sub> photoreduction catalyzed by atomically dispersed Fe atoms supported on graphitic carbon nitride. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 4690-4699.	2.8	22
60	From marine plants to photovoltaic devices. <i>Energy and Environmental Science</i> , 2014, 7, 343-346.	30.8	21
61	Electrocatalytic properties of iron chalcogenides as low-cost counter electrode materials for dye-sensitized solar cells. <i>RSC Advances</i> , 2015, 5, 72553-72561.	3.6	20
62	Perovskite Solar Cell Using a Two-Dimensional Titania Nanosheet Thin Film as the Compact Layer. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 15117-15122.	8.0	20
63	Recent progress in interface modification for dye-sensitized solar cells. <i>Science China Chemistry</i> , 2010, 53, 1669-1678.	8.2	19
64	Room-temperature solution-processed amorphous NbO <sub>x</sub> as an electron transport layer in high-efficiency photovoltaics. <i>Journal of Materials Chemistry A</i> , 2018, 6, 17882-17888.	10.3	19
65	Understanding the Inhibition of the Shuttle Effect of Sulfides (S $\approx$ 3) in Lithiumâ€“Sulfur Batteries by Heteroatom-Doped Graphene: First-Principles Study. <i>Journal of Physical Chemistry C</i> , 2020, 124, 3644-3649.	3.1	19
66	Lead-Free Flexible Perovskite Solar Cells with Interfacial Native Oxide Have $\geq$ 10% Efficiency and Simultaneously Enhanced Stability and Reliability. <i>ACS Energy Letters</i> , 2022, 7, 2256-2264.	17.4	19
67	Flexibly assembled and readily detachable photovoltaics. <i>Energy and Environmental Science</i> , 2017, 10, 2117-2123.	30.8	17
68	A novel composite of W <sub>18</sub> O <sub>49</sub> nanorods on reduced graphene oxide sheets based on in situ synthesis and catalytic performance for oxygen reduction reaction. <i>RSC Advances</i> , 2017, 7, 2051-2057.	3.6	16
69	Theoretical insight into the carrier mobility anisotropy of organic-inorganic perovskite CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> . <i>Journal of Electroanalytical Chemistry</i> , 2018, 810, 11-17.	3.8	16
70	Unsupported Nanoporous Platinumâ€“Iron Bimetallic Catalyst for the Chemoselective Hydrogenation of Halonitrobenzenes to Haloanilines. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 23655-23661.	8.0	16
71	Low-temperature sprayed carbon electrode in modular HTL-free perovskite solar cells: a comparative study on the choice of carbon sources. <i>Journal of Materials Chemistry C</i> , 2021, 9, 3546-3554.	5.5	16
72	High-air-flow-velocity assisted intermediate phase engineering for controlled crystallization of mixed perovskite in high efficiency photovoltaics. <i>Journal of Materials Chemistry A</i> , 2018, 6, 8860-8867.	10.3	15

#	ARTICLE	IF	CITATIONS
73	Pseudohalogen-Based 2D Perovskite: A More Complex Thermal Degradation Mechanism Than 3D Perovskite. <i>Inorganic Chemistry</i> , 2018, 57, 2045-2050.	4.0	15
74	Soft interfaces within hybrid perovskite solar cells: real-time dynamic tracking of interfacial electrical property evolution by EIS. <i>Journal of Materials Chemistry C</i> , 2019, 7, 8294-8302.	5.5	15
75	Hierarchical ZnO Nanostructures with Blooming Flowers Driven by Screw Dislocations. <i>Scientific Reports</i> , 2015, 5, 8226.	3.3	14
76	Enhanced stability of perovskite solar cells using hydrophobic organic fluoropolymer. <i>Applied Physics Letters</i> , 2018, 113, .	3.3	14
77	Favorable growth of well-crystallized layered hybrid perovskite by combination of thermal and solvent assistance. <i>Journal of Power Sources</i> , 2019, 422, 156-162.	7.8	14
78	Tuned single atom coordination structures mediated by polarization force and sulfur anions for photovoltaics. <i>Nano Research</i> , 2021, 14, 4025-4032.	10.4	14
79	Molecular structure simplification of the most common hole transport materials in perovskite solar cells. <i>RSC Advances</i> , 2016, 6, 96990-96996.	3.6	13
80	Rational design of SnO <sub>2</sub> -based electron transport layer in mesoscopic perovskite solar cells: more kinetically favorable than traditional double-layer architecture. <i>Science China Materials</i> , 2017, 60, 963-976.	6.3	13
81	Interfacial negative capacitance in planar perovskite solar cells: An interpretation based on band theory. <i>Materials Research Bulletin</i> , 2018, 107, 74-79.	5.2	13
82	Atomic Evolution of Metal-Organic Frameworks into Co <sub>3</sub> Coupling Vacancies by Cooperative Cascade Protection Strategy for Promoting Triiodide Reduction. <i>Journal of Physical Chemistry C</i> , 2021, 125, 6147-6156.	3.1	13
83	Efficient Planar Perovskite Solar Cells with Carbon Quantum Dot-Modified spiro-MeOTAD as a Composite Hole Transport Layer. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 56265-56272.	8.0	13
84	Boosting oxygen-reduction catalysis over mononuclear Cu <sub>2</sub> moiety for rechargeable Zn-air battery. <i>Chemical Engineering Journal</i> , 2022, 430, 133105.	12.7	12
85	First application of bis(oxalate)borate ionic liquids (ILBOBs) in high-performance dye-sensitized solar cells. <i>RSC Advances</i> , 2013, 3, 12975.	3.6	11
86	New insight into the ultra-long lifetime of excitons in organic-inorganic perovskite: Reverse intersystem crossing. <i>Journal of Energy Chemistry</i> , 2018, 27, 1496-1500.	12.9	11
87	Molten salt as ultrastrong polar solvent enables the most straightforward pyrolysis towards highly efficient and stable single-atom electrocatalyst. <i>Journal of Energy Chemistry</i> , 2021, 54, 519-527.	12.9	11
88	Direct transformation of raw biomass into a Fe <sub>x</sub> C single-atom catalyst for efficient oxygen reduction reaction. <i>Materials Chemistry Frontiers</i> , 2021, 5, 3093-3098.	5.9	11
89	Single-atom-catalyst with abundant Co <sub>4</sub> sites for use as a counter electrode in photovoltaics. <i>Chemical Communications</i> , 2021, 57, 5302-5305.	4.1	11
90	Insight into the Activity and Stability of Transition-Metal Atoms Embedded in MnO for Triiodide Reduction Reaction. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 19303-19310.	6.7	10

#	ARTICLE	IF	CITATIONS
91	Imaging the Moisture-Induced Degradation Process of 2D Organolead Halide Perovskites. ACS Omega, 2022, 7, 10365-10371.	3.5	10
92	Theoretical design and experimental synthesis of counter electrode for dye-sensitized solar cells: Amino-functionalized graphene. Journal of Energy Chemistry, 2016, 25, 861-867.	12.9	9
93	Cs <sub>0.05</sub> (FA <sub>0.85</sub> MA <sub>0.15</sub> ) <sub>0.95</sub> Pb(I <sub>0.85</sub> Br <sub>0.15</sub> ) <sub>3</sub> based flexible perovskite light-emitting devices with excellent mechanical bending durability. Chemical Physics Letters, 2019, 723, 33-38.	2.6	9
94	Insight into the Interfacial Elastic Contact in Stacking Perovskite Solar Cells. Advanced Materials Interfaces, 2019, 6, 1900157.	3.7	9
95	Enhancing the Interface Contact of Stacking Perovskite Solar Cells with Hexamethylenediammonium Diiodide-Modified PEDOT:PSS as an Electrode. ACS Applied Materials & Interfaces, 2020, 12, 42321-42327.	8.0	9
96	Insight into the CO <sub>2</sub> photoreduction mechanism over 9-hydroxyphenal-1-one (HPHN) carbon quantum dots. Journal of Energy Chemistry, 2021, 52, 269-276.	12.9	9
97	Synergistically Enhanced Single-Atom Nickel Catalysis for Alkaline Hydrogen Evolution Reaction. ACS Applied Materials & Interfaces, 2022, 14, 29822-29831.	8.0	9
98	Degradation mechanism of flexible perovskite solar cells: Investigated by tracking of the heterojunction property. Materials Research Bulletin, 2020, 123, 110696.	5.2	8
99	Controlled synthesis of ZnO spindles and fabrication of composite photoanodes at low temperature for quasi-solid state dye-sensitized solar cells. Journal of Materials Chemistry, 2011, 21, 3183.	6.7	7
100	A green route and rational design for ZnO-based high-efficiency photovoltaics. Nanoscale, 2014, 6, 5093.	5.6	7
101	High electrocatalytic activity of W <sub>18</sub> O <sub>49</sub> nanowires for cobalt complex and ferrocenium redox mediators. RSC Advances, 2014, 4, 42190-42196.	3.6	7
102	Interplay between Exciton and Free Carriers in Organolead Perovskite Films. Scientific Reports, 2017, 7, 14760.	3.3	7
103	Accelerating Photogenerated Hole Tunneling through Passivation Layers <i>via</i> Reducing Interplanar Spacing for Efficient and Stable Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2022, 14, 16920-16927.	8.0	6
104	Ozonization, Amination and Photoreduction of Graphene Oxide for Triiodide Reduction Reaction: An Experimental and Theoretical Study. Electrochimica Acta, 2017, 226, 10-17.	5.2	5
105	Ozone-Mediated Controllable Hydrolysis for a High-Quality Amorphous NbO <sub>x</sub> Electron Transport Layer in Efficient Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2020, 12, 15194-15201.	8.0	5
106	Theoretical Insights into the Carrier Mobility Anisotropy of Organic-Inorganic Perovskite AB <sub>3</sub> (A = Tl, ET, Q, O, Rg, BT, Overlock, 10 Tf)	3.1	5
107	Computational insights into the mechanism of formaldehyde detection by luminescent covalent organic framework. Journal of Molecular Modeling, 2019, 25, 248.	1.8	4
108	Dual Sites of CoO Nanoparticles and Co <sub>N</sub> Embedded within Coal-Based Support toward Advanced Triiodide Reduction. ACS Sustainable Chemistry and Engineering, 2019, 7, 10484-10492.	6.7	4

#	ARTICLE	IF	CITATIONS
109	Semi-Transparent and Stable Solar Cells for Building Integrated Photovoltaics: The Confinement Effects of the Polymer Gel Electrolyte inside Mesoporous Films. ACS Omega, 2019, 4, 15097-15100.	3.5	3
110	Real-Time Dynamic Observation of a Thermal and Electrical Coeffect on the Interfacial Evolution of Hybrid Perovskite Solar Cells by Electrochemical Impedance Spectroscopy. ACS Applied Energy Materials, 2020, 3, 8017-8025.	5.1	3
111	Density of photoinduced free carriers in perovskite thin films via purely optical detection. Journal of Materials Chemistry C, 2017, 5, 3283-3287.	5.5	2
112	Correlation of ETL in perovskite light-emitting diodes and the ultra-long rise time in time-resolved electroluminescence. Materials Science in Semiconductor Processing, 2018, 80, 131-136.	4.0	2
113	Role of water oxidation in the photoreduction of graphene oxide. Chemical Communications, 2019, 55, 1837-1840.	4.1	2
114	Insights into the existing form of glycolaldehyde in methanol solution: an experimental and theoretical investigation. New Journal of Chemistry, 2021, 45, 8149-8154.	2.8	2
115	Identification of glycolaldehyde, the simplest sugar, in plant systems. New Journal of Chemistry, 2022, 46, 6360-6365.	2.8	0