

# Ting Hu

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/125427/ting-hu-publications-by-year.pdf>  
**Version:** 2024-04-09

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.  
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

59 papers	1,728 citations	20 h-index	40 g-index
64 ext. papers	2,412 ext. citations	11.3 avg, IF	5 L-index

#	Paper	IF	Citations
59	Deciphering the Precursor-Performance Relationship of Single-Atom Iron Oxygen Electroreduction Catalysts via Isomer Engineering.. <i>Small</i> , <b>2022</b> , e2106122	11	3
58	Advancements in organic small molecule hole-transporting materials for perovskite solar cells: past and future. <i>Journal of Materials Chemistry A</i> , <b>2022</b> , 10, 5044-5081	13	6
57	Simultaneously Integrate Iron Single Atom and Nanocluster Triggered Tandem Effect for Boosting Oxygen Electroreduction.. <i>Small</i> , <b>2022</b> , e2107225	11	5
56	Iron-based nanocomposites implanting in N, P Co-doped carbon nanosheets as efficient oxygen reduction electrocatalysts for Zn-Air batteries. <i>Composites Communications</i> , <b>2021</b> , 100994	6.7	1
55	Optimizing Microenvironment of Asymmetric N,S-Coordinated Single-Atom Fe via Axial Fifth Coordination toward Efficient Oxygen Electroreduction. <i>Small</i> , <b>2021</b> , e2105387	11	14
54	Colloidal chemistry in perovskite precursor solution. <i>Science Bulletin</i> , <b>2021</b> , 67, 561-561	10.6	1
53	Enabling 2.4-V aqueous supercapacitors through the rational design of an integrated electrode of hollow vanadium trioxide/carbon nanospheres. <i>Science China Materials</i> , <b>2021</b> , 64, 2163-2172	7.1	4
52	A non-wetting and conductive polyethylene dioxothiophene hole transport layer for scalable and flexible perovskite solar cells. <i>Science China Chemistry</i> , <b>2021</b> , 64, 834-843	7.9	9
51	Wearable Tin-Based Perovskite Solar Cells Achieved by a Crystallographic Size Effect. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 14693-14700	16.4	20
50	Wearable Tin-Based Perovskite Solar Cells Achieved by a Crystallographic Size Effect. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 14814-14821	3.6	1
49	Current Development toward Commercialization of Metal-Halide Perovskite Photovoltaics. <i>Advanced Optical Materials</i> , <b>2021</b> , 9, 2100390	8.1	9
48	Molecular Control of Carbon-Based Oxygen Reduction Electrocatalysts through Metal Macrocyclic Complexes Functionalization. <i>Advanced Energy Materials</i> , <b>2021</b> , 11, 2100866	21.8	6
47	Spontaneous Formation of Upper Gradient 2D Structure for Efficient and Stable Quasi-2D Perovskites. <i>Advanced Materials</i> , <b>2021</b> , 33, e2101823	24	7
46	An in situ bifacial passivation strategy for flexible perovskite solar module with mechanical robustness by roll-to-roll fabrication. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 5759-5768	13	21
45	Coupling of EDLC and the reversible redox reaction: oxygen functionalized porous carbon nanosheets for zinc-ion hybrid supercapacitors. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 15404-15414	13	16
44	Pyrolysis-free polymer-based oxygen electrocatalysts. <i>Energy and Environmental Science</i> , <b>2021</b> , 14, 2789-2808	35.4	14
43	Recent Developments of Microenvironment Engineering of Single-Atom Catalysts for Oxygen Reduction toward Desired Activity and Selectivity. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2103857	15.6	25

42	Molecular crowding agents engineered to make bioinspired electrolytes for high-voltage aqueous supercapacitors. <i>EScience</i> , <b>2021</b> , 1, 83-83		9
41	Fast assembly of MXene hydrogels by interfacial electrostatic interaction for supercapacitors. <i>Chemical Communications</i> , <b>2021</b> , 57, 10731-10734	5.8	7
40	Toward efficient perovskite solar cells by planar imprint for improved perovskite film quality and granted bifunctional barrier. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 16178-16186	13	5
39	Stretchable Perovskite Solar Cells with Recoverable Performance. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 16602-16608	16.4	57
38	Stretchable Perovskite Solar Cells with Recoverable Performance. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 16745-6		
37	Reducing Energy Loss and Morphology Optimization Manipulated by Molecular Geometry Engineering for Hetero-junction Organic Solar Cells. <i>Chinese Journal of Chemistry</i> , <b>2020</b> , 38, 1553-1559	4.9	6
36	Bio-inspired vertebral design for scalable and flexible perovskite solar cells. <i>Nature Communications</i> , <b>2020</b> , 11, 3016	17.4	86
35	Stabilized and Operational PbI <sub>2</sub> Precursor Ink for Large-Scale Perovskite Solar Cells via Two-Step Blade-Coating. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 8129-8139	3.8	14
34	An Effective Method for Recovering Nonradiative Recombination Loss in Scalable Organic Solar Cells. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 2000417	15.6	14
33	A generalized one-step in situ formation of metal sulfide/reduced graphene oxide nanosheets toward high-performance supercapacitors. <i>Science China Materials</i> , <b>2020</b> , 63, 1898-1909	7.1	30
32	Flexible and Wearable Solar Cells and Supercapacitors <b>2020</b> , 87-129		3
31	An efficient and stable tin-based perovskite solar cell passivated by aminoguanidine hydrochloride. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 7786-7792	7.1	14
30	Innenrücktitelbild: Stretchable Perovskite Solar Cells with Recoverable Performance (Angew. Chem. 38/2020). <i>Angewandte Chemie</i> , <b>2020</b> , 132, 16947	3.6	1
29	Covalently Sandwiching MXene by Conjugated Microporous Polymers with Excellent Stability for Supercapacitors. <i>Small Methods</i> , <b>2020</b> , 4, 2000434	12.8	17
28	Atomic Layer Deposition of Metal Oxides in Perovskite Solar Cells: Present and Future. <i>Small Methods</i> , <b>2020</b> , 4, 2000588	12.8	10
27	Concerted regulation on vertical orientation and film quality of two-dimensional ruddlesden-popper perovskite layer for efficient solar cells. <i>Science China Chemistry</i> , <b>2020</b> , 63, 1675-1683	7.9	5
26	Amphiphilic Fullerenes Employed to Improve the Quality of Perovskite Films and the Stability of Perovskite Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 24782-24788	9.5	43
25	Incorporation of two electron acceptors to improve the electron mobility and stability of perovskite solar cells. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 8344-8349	7.1	8

24	High-performance inverted planar perovskite solar cells based on solution-processed rubidium-doped nickel oxide hole-transporting layer. <i>Organic Electronics</i> , <b>2019</b> , 69, 34-41	3.5	15
23	Self-assembly monolayers manipulate the power conversion processes in organic photovoltaics. <i>Journal of Power Sources</i> , <b>2019</b> , 409, 66-75	8.9	6
22	Recent Progress on the Long-Term Stability of Perovskite Solar Cells. <i>Advanced Science</i> , <b>2018</b> , 5, 1700387	13.6	248
21	Distributed Feedback Lasers Based on MAPbBr <sub>3</sub> . <i>Advanced Materials Technologies</i> , <b>2018</b> , 3, 1700253	6.8	48
20	Cerium oxide as an efficient electron extraction layer for p-i-n structured perovskite solar cells. <i>Chemical Communications</i> , <b>2018</b> , 54, 471-474	5.8	44
19	Photonic Nanostructures Patterned by Thermal Nanoimprint Directly into Organo-Metal Halide Perovskites. <i>Advanced Materials</i> , <b>2017</b> , 29, 1605003	24	124
18	2D Heterostructures Derived from MoS <sub>2</sub> -Templated, Cobalt-Containing Conjugated Microporous Polymer Sandwiches for the Oxygen Reduction Reaction and Electrochemical Energy Storage. <i>ChemElectroChem</i> , <b>2017</b> , 4, 709-715	4.3	26
17	Indium-Free Perovskite Solar Cells Enabled by Impermeable Tin-Oxide Electron Extraction Layers. <i>Advanced Materials</i> , <b>2017</b> , 29, 1606656	24	61
16	Photonic Nanostructures: Photonic Nanostructures Patterned by Thermal Nanoimprint Directly into Organo-Metal Halide Perovskites (Adv. Mater. 12/2017). <i>Advanced Materials</i> , <b>2017</b> , 29,	24	4
15	Thermal Conductivity of Methylammonium Lead Halide Perovskite Single Crystals and Thin Films: A Comparative Study. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 28306-28311	3.8	65
14	Nitrogen-doped porous carbon/graphene nanosheets derived from two-dimensional conjugated microporous polymer sandwiches with promising capacitive performance. <i>Materials Chemistry Frontiers</i> , <b>2017</b> , 1, 278-285	7.8	49
13	A homogeneous ethanedithiol doped ZnO electron transporting layer for polymer solar cells. <i>Journal of Materials Chemistry C</i> , <b>2016</b> , 4, 8738-8744	7.1	12
12	Engineering the Morphology of Carbon Materials: 2D Porous Carbon Nanosheets for High-Performance Supercapacitors. <i>ChemElectroChem</i> , <b>2016</b> , 3, 822-828	4.3	75
11	Amphiphilic fullerene/ZnO hybrids as cathode buffer layers to improve charge selectivity of inverted polymer solar cells. <i>Nanoscale</i> , <b>2015</b> , 7, 9194-203	7.7	21
10	Amphiphilic fullerenes modified 1D ZnO arrayed nanorods/2D graphene hybrids as cathode buffer layers for inverted polymer solar cells. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 10890-10899	13	16
9	Nanofibrous and Graphene-Templated Conjugated Microporous Polymer Materials for Flexible Chemosensors and Supercapacitors. <i>Chemistry of Materials</i> , <b>2015</b> , 27, 7403-7411	9.6	138
8	Poly(3-butylthiophene) nanowires inducing crystallization of poly(3-hexylthiophene) for enhanced photovoltaic performance. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 809-819	7.1	23
7	A General Route to Enhance Polymer Solar Cell Performance using Plasmonic Nanoprisms. <i>Advanced Energy Materials</i> , <b>2014</b> , 4, 1400206	21.8	106

6	Poly(N-vinylpyrrolidone)-decorated reduced graphene oxide with ZnO grown in situ as a cathode buffer layer for polymer solar cells. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 17178-84	4.8	18
5	Efficiency and air-stability improvement of flexible inverted polymer solar cells using ZnO/poly(ethylene glycol) hybrids as cathode buffer layers. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 5763-70	9.5	76
4	Synthesis and properties of novel ferroelectric liquid crystalline polyacetylenes containing terphenyl mesogens with chiral groups. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2011</b> , 105, 995-1006 <sup>4.1</sup>		4
3	A Biomimetic Self-Shield Interface for Flexible Perovskite Solar Cells with Negligible Lead Leakage. <i>Advanced Functional Materials</i> , 2106460	15.6	16
2	Manipulating the Interlayer Spacing of 3D MXenes with Improved Stability and Zinc-Ion Storage Capability. <i>Advanced Functional Materials</i> , 2109524	15.6	14
1	A Highly Tolerant Printing for Scalable and Flexible Perovskite Solar Cells. <i>Advanced Functional Materials</i> , 2107726	15.6	13