

# Yong Wang

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/2655743/yong-wang-publications-by-citations.pdf>

**Version:** 2024-04-24

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.

53  
papers

2,514  
citations

20  
h-index

50  
g-index

54  
ext. papers

3,285  
ext. citations

10.1  
avg. IF

5.67  
L-index

#	Paper	IF	Citations
53	Thermodynamically stabilized $\text{CsPbI}_3$ -based perovskite solar cells with efficiencies >18. <i>Science</i> , <b>2019</b> , 365, 591-595	33.3	644
52	Bifunctional Stabilization of All-Inorganic $\text{CsPbI}_3$ Perovskite for 17% Efficiency Photovoltaics. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 12345-12348	16.4	434
51	The Role of Dimethylammonium Iodide in $\text{CsPbI}_3$ Perovskite Fabrication: Additive or Dopant?. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 16691-16696	16.4	264
50	Efficient $\text{CsPbI}_3$ Photovoltaics with Surface Terminated Organic Cations. <i>Joule</i> , <b>2018</b> , 2, 2065-2075	27.8	210
49	A Facile Low Temperature Fabrication of High Performance $\text{CsPbI}_2\text{Br}$ All-Inorganic Perovskite Solar Cells. <i>Solar Rrl</i> , <b>2018</b> , 2, 1700180	7.1	124
48	Li dopant induces moisture sensitive phase degradation of an all-inorganic $\text{CsPbI}_3$ perovskite. <i>Chemical Communications</i> , <b>2018</b> , 54, 9809-9812	5.8	66
47	High Phase Stability in $\text{CsPbI}_3$ Enabled by Pb-I Octahedra Anchors for Efficient Inorganic Perovskite Photovoltaics. <i>Advanced Materials</i> , <b>2020</b> , 32, e2000186	24	52
46	Chemically Stable Black Phase $\text{CsPbI}_3$ Inorganic Perovskites for High-Efficiency Photovoltaics. <i>Advanced Materials</i> , <b>2020</b> , 32, e2001025	24	48
45	Effects of Mn addition on the two-body abrasive wear behavior of Fe-3.0 wt% B alloy. <i>Tribology International</i> , <b>2016</b> , 103, 243-251	4.9	40
44	Efficient and Stable Red Perovskite Light-Emitting Diodes with Operational Stability >300 h. <i>Advanced Materials</i> , <b>2021</b> , 33, e2008820	24	38
43	Investigation on two-body abrasive wear behavior and mechanism of Fe-3.0 wt% B cast alloy with different chromium content. <i>Wear</i> , <b>2016</b> , 362-363, 68-77	3.5	37
42	The Role of Dimethylammonium Iodide in $\text{CsPbI}_3$ Perovskite Fabrication: Additive or Dopant?. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 16844-16849	3.6	32
41	Effect of Fe 2 B orientation on erosion/corrosion behavior of Fe-3.5 wt.% B steel in flowing zinc. <i>Corrosion Science</i> , <b>2015</b> , 98, 240-248	6.8	29
40	Organic salt mediated growth of phase pure and stable all-inorganic $\text{CsPbX}_3$ (X = I, Br) perovskites for efficient photovoltaics. <i>Science Bulletin</i> , <b>2019</b> , 64, 1773-1779	10.6	29
39	Photostability of $\text{MAPbI}_3$ Perovskite Solar Cells by Incorporating Black Phosphorus. <i>Solar Rrl</i> , <b>2019</b> , 3, 1900197	7.1	28
38	Spontaneous low-temperature crystallization of $\text{FAPbI}_3$ for highly efficient perovskite solar cells. <i>Science Bulletin</i> , <b>2019</b> , 64, 1608-1616	10.6	27
37	Inorganic $\text{CsPbI}_3$ Perovskites toward High-Efficiency Photovoltaics. <i>Energy and Environmental Materials</i> , <b>2019</b> , 2, 73-78	13	27

36	Triple Interface Passivation Strategy-Enabled Efficient and Stable Inverted Perovskite Solar Cells. <i>Small Methods</i> , <b>2020</b> , 4, 2000478	12.8	25
35	Efficient and Stable CsPbI Inorganic Perovskite Photovoltaics Enabled by Crystal Secondary Growth. <i>Advanced Materials</i> , <b>2021</b> , 33, e2103688	24	24
34	Integration of a functionalized graphene nano-network into a planar perovskite absorber for high-efficiency large-area solar cells. <i>Materials Horizons</i> , <b>2018</b> , 5, 868-873	14.4	21
33	CH <sub>3</sub> NH <sub>3</sub> Cl Assisted Solvent Engineering for Highly Crystallized and Large Grain Size Mixed-Composition (FAPbI <sub>3</sub> ) <sub>0.85</sub> (MAPbBr <sub>3</sub> ) <sub>0.15</sub> Perovskites. <i>Crystals</i> , <b>2017</b> , 7, 272	2.3	20
32	Tailoring the Interface in FAPbI <sub>3</sub> Planar Perovskite Solar Cells by Imidazole-Graphene-Quantum-Dots. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2101438	15.6	20
31	Efficient Interconnection in Perovskite Tandem Solar Cells. <i>Small Methods</i> , <b>2020</b> , 4, 2000093	12.8	20
30	A mixed-cation lead iodide MA <sub>1-x</sub> EAxPbI <sub>3</sub> absorber for perovskite solar cells. <i>Journal of Energy Chemistry</i> , <b>2018</b> , 27, 215-218	12	18
29	Effects of Erosion Angle on Erosion Properties of Fe-B Alloy in Flowing Liquid Zinc. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , <b>2015</b> , 46, 1900-1907	2.3	17
28	Buried Interface Modification in Perovskite Solar Cells: A Materials Perspective. <i>Advanced Energy Materials</i> , 2104030	21.8	16
27	Interface characterization and erosion-corrosion behavior of directional Fe-3.5 wt.% B steel in flowing liquid zinc at various temperatures. <i>Corrosion Science</i> , <b>2016</b> , 104, 260-268	6.8	14
26	Interfacial morphologies and erosion-corrosion behavior of directional Fe-3.5 wt.% B steel in flowing liquid Zn containing 0.30 wt.% Al. <i>Corrosion Science</i> , <b>2016</b> , 112, 25-35	6.8	14
25	A first principles study of adhesion and electronic structure at Fe (110)/graphite (0001) interface. <i>Applied Surface Science</i> , <b>2017</b> , 405, 497-502	6.7	13
24	Effect of crystal orientation on microstructure and properties of bulk Fe <sub>2</sub> B intermetallic. <i>Journal of Materials Research</i> , <b>2015</b> , 30, 257-265	2.5	13
23	Three-Body Abrasive Behavior of Cementite-Iron Composite with Different Cementite Volume Fractions. <i>Tribology Letters</i> , <b>2016</b> , 62, 1	2.8	13
22	Establishing Multifunctional Interface Layer of Perovskite Ligand Modified Lead Sulfide Quantum Dots for Improving the Performance and Stability of Perovskite Solar Cells. <i>Small</i> , <b>2020</b> , 16, e2002628	11	13
21	Highly Efficient (110) Orientated FA-MA Mixed Cation Perovskite Solar Cells via Functionalized Carbon Nanotube and Methylammonium Chloride Additive. <i>Small Methods</i> , <b>2020</b> , 4, 1900511	12.8	13
20	Steric Mixed-Cation 2D Perovskite as a Methylammonium Locker to Stabilize MAPbI <sub>3</sub> . <i>Angewandte Chemie</i> , <b>2020</b> , 132, 1485-1489	3.6	11
19	Interfacial morphology and corrosion-wear behavior of cast Fe-3.5 wt.% B steel in liquid zinc. <i>Corrosion Science</i> , <b>2018</b> , 131, 290-299	6.8	11

18	High crystallinity and photovoltaic performance of CsPbI <sub>3</sub> film enabled by secondary dimension. <i>Journal of Energy Chemistry</i> , <b>2020</b> , 48, 181-186	12	9
17	Stable Cesium-Rich Formamidinium/Cesium Pure-Iodide Perovskites for Efficient Photovoltaics. <i>ACS Energy Letters</i> , <b>2021</b> , 6, 2735-2741	20.1	9
16	Investigation of flowing liquid zinc erosion and corrosion properties of the FeB alloy at various times. <i>Journal of Materials Research</i> , <b>2015</b> , 30, 727-735	2.5	8
15	Effects of Chromium Addition on Preparation and Properties of Bulk Cementite. <i>Journal of Iron and Steel Research International</i> , <b>2016</b> , 23, 842-850	1.2	7
14	Realizing the ultimate goal of fully solution-processed organic solar cells: a compatible self-sintering method to achieve silver back electrode. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 6083-6091	13	6
13	Erosion/corrosion interaction of FeB alloy in flowing zinc. <i>Materials Science and Technology</i> , <b>2016</b> , 32, 49-56	1.5	6
12	Fast Charge Diffusion in MAPb(IBr) Films for High-Efficiency Solar Cells Revealed by Ultrafast Time-Resolved Reflectivity. <i>Journal of Physical Chemistry A</i> , <b>2019</b> , 123, 2674-2678	2.8	5
11	Effect of carbon equivalent on thermal and mechanical properties of compacted graphite cast iron. <i>Journal of Materials Research</i> , <b>2016</b> , 31, 2516-2523	2.5	5
10	Effect of erosion angle and Fe <sub>2</sub> B orientation on cavitation erosion and interfaces of Fe-B alloy in high-velocity flowing zinc. <i>Wear</i> , <b>2018</b> , 412-413, 60-68	3.5	5
9	Organic nanocrystals induced surface passivation towards high-efficiency and stable perovskite solar cells. <i>Nano Energy</i> , <b>2021</b> , 89, 106445	17.1	5
8	Effect of erosion speed on the interaction between erosion and corrosion of the Fe <sub>0.5</sub> wt% B alloy in a flowing zinc bath. <i>Journal of Materials Research</i> , <b>2015</b> , 30, 852-859	2.5	4
7	2-Aminobenzenethiol-Functionalized Silver-Decorated Nanoporous Silicon Photoelectrodes for Selective CO <sub>2</sub> Reduction. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 11559-11566	3.6	4
6	Multifunctional Ion-Lock Interface Layer Achieved by Solid-Solid Contact Approach for Stabilizing Perovskite Solar Cells. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 200473	15.6	4
5	Investigation of erosion properties of directionally solidified FeB alloy in various velocities liquid zinc. <i>Journal of Materials Research</i> , <b>2017</b> , 32, 2381-2388	2.5	3
4	Effect of 0.3 wt.% Al Addition in Flowing Liquid Zinc on the Erosion-Corrosion Behavior of Fe-3.5 wt.% B Alloy. <i>Journal of Materials Engineering and Performance</i> , <b>2015</b> , 24, 2444-2450	1.6	3
3	Evaporation-Free Organic Solar Cells with High Efficiency Enabled by Dry and Nonimmersive Sintering Strategy. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2010764	15.6	3
2	Hot Carrier Dynamics and Charge Trapping in Surface Passivated $\delta$ -CsPbI <sub>3</sub> Inorganic Perovskite. <i>Journal of Physical Chemistry Letters</i> , <b>2021</b> , 12, 6907-6913	6.4	1
1	Effect of Fe <sub>2</sub> B orientation morphology on high temperature erosion-wear behavior of FeB alloy in liquid zinc. <i>Wear</i> , <b>2021</b> , 484-485, 204038	3.5	1

