

Yuanyuan Zhao

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.

53 papers	2,319 citations	24 h-index	48 g-index
53 ext. papers	2,767 ext. citations	9 avg, IF	5.72 L-index

#	Paper	IF	Citations
53	Universal Dynamic Liquid Interface for Healing Perovskite Solar Cells.. <i>Advanced Materials</i> , 2022 , e2202304	10.1	12
52	Enhanced hole extraction by electron-rich alloys in all-inorganic CsPbBr ₃ perovskite solar cells. <i>Chemical Communications</i> , 2021 , 57, 7577-7580	5.8	2
51	Dimensionality Control of SnO Films for Hysteresis-Free, All-Inorganic CsPbBr ₃ Perovskite Solar Cells with Efficiency Exceeding 10. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 11058-11066	9.5	12
50	Boosted hole extraction in all-inorganic CsPbBr ₃ perovskite solar cells by interface engineering using MoO ₂ /N-doped carbon nanospheres composite. <i>Solar Energy Materials and Solar Cells</i> , 2020 , 209, 110460	6.4	16
49	Enhanced energy level alignment and hole extraction of carbon electrode for air-stable hole-transporting material-free CsPbBr ₃ perovskite solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2020 , 205, 110267	6.4	26
48	Hole-Boosted Cu(Cr,M)O ₂ Nanocrystals for All-Inorganic CsPbBr ₃ Perovskite Solar Cells. <i>Angewandte Chemie</i> , 2019 , 131, 16293-16297	3.6	19
47	Hole-Boosted Cu(Cr,M)O Nanocrystals for All-Inorganic CsPbBr ₃ Perovskite Solar Cells. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 16147-16151	16.4	77
46	Inorganic perovskite solar cells: an emerging member of the photovoltaic community. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 21036-21068	13	93
45	Photo-induced charge boosting of liquid-solid electrokinetic generators for efficient wave energy harvesting. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 5373-5380	13	9
44	Poly(3-hexylthiophene)/zinc phthalocyanine composites for advanced interface engineering of 10.03%-efficiency CsPbBr ₃ perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 12635-12644	13	63
43	Using SnO ₂ QDs and CsMBr ₃ (M = Sn, Bi, Cu) QDs as Charge-Transporting Materials for 10.6%-Efficiency All-Inorganic CsPbBr ₃ Perovskite Solar Cells with an Ultrahigh Open-Circuit Voltage of 1.610 V (Solar RRL 3/2019). <i>Solar Rrl</i> , 2019 , 3, 1970035	7.1	1
42	Well-aligned NiPt alloy counter electrodes for high-efficiency dye-sensitized solar cell applications. <i>Journal of Energy Chemistry</i> , 2019 , 30, 49-56	12	16
41	Enhanced charge extraction in carbon-based all-inorganic CsPbBr ₃ perovskite solar cells by dual-function interface engineering. <i>Electrochimica Acta</i> , 2019 , 328, 135102	6.7	22
40	10.34%-efficient integrated CsPbBr ₃ /bulk-heterojunction solar cells. <i>Journal of Power Sources</i> , 2019 , 440, 227151	8.9	25
39	Advanced Modification of Perovskite Surfaces for Defect Passivation and Efficient Charge Extraction in Air-Stable CsPbBr ₃ Perovskite Solar Cells. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 19286-19294	8.3	29
38	Divalent hard Lewis acid doped CsPbBr ₃ films for 9.63%-efficiency and ultra-stable all-inorganic perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 6877-6882	13	68
37	Sonochemistry-assisted black/red phosphorus hybrid quantum dots for dye-sensitized solar cells. <i>Journal of Power Sources</i> , 2019 , 410-411, 53-58	8.9	21

36	Using SnO ₂ QDs and CsMBr ₃ (M = Sn, Bi, Cu) QDs as Charge-Transporting Materials for 10.6%-Efficiency All-Inorganic CsPbBr ₃ Perovskite Solar Cells with an Ultrahigh Open-Circuit Voltage of 1.610 V. <i>Solar Rrl</i> , 2019 , 3, 1800284	7.1	65
35	Self-powered flexible monoelectrodes from graphene/reduced graphene oxide composite films to harvest rain energy. <i>Journal of Alloys and Compounds</i> , 2019 , 776, 31-35	5.7	7
34	Simplified Perovskite Solar Cell with 4.1% Efficiency Employing Inorganic CsPbBr as Light Absorber. <i>Small</i> , 2018 , 14, e1704443	11	91
33	Carbon-Electrode-Tailored All-Inorganic Perovskite Solar Cells To Harvest Solar and Water-Vapor Energy. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 5746-5749	16.4	95
32	High-Purity Inorganic Perovskite Films for Solar Cells with 9.72 % Efficiency. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 3787-3791	16.4	318
31	High-Purity Inorganic Perovskite Films for Solar Cells with 9.72 % Efficiency. <i>Angewandte Chemie</i> , 2018 , 130, 3849-3853	3.6	76
30	Self-Powered Low-Platinum Nanorod Alloy Monoelectrodes for Rain Energy Harvest. <i>Energy Technology</i> , 2018 , 6, 1606-1609	3.5	1
29	S-doped CQDs tailored transparent counter electrodes for high-efficiency bifacial dye-sensitized solar cells. <i>Electrochimica Acta</i> , 2018 , 261, 588-595	6.7	22
28	Carbon-Electrode-Tailored All-Inorganic Perovskite Solar Cells To Harvest Solar and Water-Vapor Energy. <i>Angewandte Chemie</i> , 2018 , 130, 5848-5851	3.6	17
27	Generators to harvest ocean wave energy through electrokinetic principle. <i>Nano Energy</i> , 2018 , 48, 128-133	17.1	34
26	Alloy-Controlled Work Function for Enhanced Charge Extraction in All-Inorganic CsPbBr Perovskite Solar Cells. <i>ChemSusChem</i> , 2018 , 11, 1432-1437	8.3	45
25	Harvest rain energy by polyaniline-graphene composite films. <i>Renewable Energy</i> , 2018 , 125, 995-1002	8.1	19
24	Seawater splitting for hydrogen evolution by robust electrocatalysts from secondaryIM (M = Cr, Fe, Co, Ni, Mo) incorporated Pt.. <i>RSC Advances</i> , 2018 , 8, 9423-9429	3.7	19
23	Bifunctional polyaniline electrode tailored hybridized solar cells for energy harvesting from sun and rain. <i>Journal of Energy Chemistry</i> , 2018 , 27, 742-747	12	10
22	9.13%-Efficiency and stable inorganic CsPbBr ₃ solar cells. Lead-free CsSnBr ₃ -xI _x quantum dots promote charge extraction. <i>Journal of Power Sources</i> , 2018 , 399, 76-82	8.9	79
21	Lattice Modulation of Alkali Metal Cations Doped Cs _{1-x} R _x PbBr ₃ Halides for Inorganic Perovskite Solar Cells. <i>Solar Rrl</i> , 2018 , 2, 1800164	7.1	119
20	A ceramic NiO/ZrO ₂ separator for high-temperature supercapacitor up to 140 °C. <i>Journal of Power Sources</i> , 2018 , 400, 126-134	8.9	18
19	Rain-responsive polypyrrole-graphene/PtCo electrodes for energy harvest. <i>Electrochimica Acta</i> , 2018 , 285, 139-148	6.7	4

18	All-inorganic CsPbBr ₃ perovskite solar cell with 10.26% efficiency by spectra engineering. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 24324-24329	13	133
17	Organic hole-transporting materials for 9.32%-efficiency and stable CsPbBr ₃ perovskite solar cells. <i>Materials Chemistry Frontiers</i> , 2018 , 2, 2239-2244	7.8	30
16	Lanthanide Ions Doped CsPbBr ₃ Halides for HTM-Free 10.14%-Efficiency Inorganic Perovskite Solar Cell with an Ultrahigh Open-Circuit Voltage of 1.594 V. <i>Advanced Energy Materials</i> , 2018 , 8, 1802346	21.8	281
15	Enhanced charge extraction with all-carbon electrodes for inorganic CsPbBr ₃ perovskite solar cells. <i>Dalton Transactions</i> , 2018 , 47, 15283-15287	4.3	26
14	Spray-assisted deposition of CsPbBr ₃ films in ambient air for large-area inorganic perovskite solar cells. <i>Materials Today Energy</i> , 2018 , 10, 146-152	7	45
13	Enhanced charge extraction by setting intermediate energy levels in all-inorganic CsPbBr ₃ perovskite solar cells. <i>Electrochimica Acta</i> , 2018 , 279, 84-90	6.7	38
12	Self-powered monoelectrodes made from graphene composite films to harvest rain energy. <i>Energy</i> , 2018 , 158, 555-563	7.9	11
11	All-inorganic bifacial CsPbBr ₃ perovskite solar cells with a 98.5%-bifacial factor. <i>Chemical Communications</i> , 2018 , 54, 8237-8240	5.8	21
10	Toward fast charge extraction in all-inorganic CsPbBr ₃ perovskite solar cells by setting intermediate energy levels. <i>Solar Energy</i> , 2018 , 171, 279-285	6.8	54
9	Mo incorporated W18O49 nanofibers as robust electrocatalysts for high-efficiency hydrogen evolution. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 14534-14546	6.7	11
8	Robust electrocatalysts from metal doped WO nanofibers for hydrogen evolution. <i>Chemical Communications</i> , 2017 , 53, 4323-4326	5.8	15
7	Efficiency enhancement of hybridized solar cells through co-sensitization and fast charge extraction by up-converted polyethylene glycol modified carbon quantum dots. <i>Journal of Power Sources</i> , 2017 , 367, 158-166	8.9	11
6	Self-powered PEDOT and derivate monoelectrodes to harvest rain energy. <i>Nano Energy</i> , 2017 , 41, 293-300	10.1	22
5	Hollow optical fiber induced solar cells with optical energy storage and conversion. <i>Chemical Communications</i> , 2017 , 53, 12233-12235	5.8	5
4	Carbon quantum dot tailored counter electrode for 7.01%-rear efficiency in a bifacial dye-sensitized solar cell. <i>Chemical Communications</i> , 2017 , 53, 9894-9897	5.8	30
3	Interfacial engineering of hybridized solar cells for simultaneously harvesting solar and rain energies. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 18551-18560	13	8
2	Extra-high short-circuit current for bifacial solar cells in sunny and dark-light conditions. <i>Chemical Communications</i> , 2017 , 53, 10046-10049	5.8	7
1	Carbide decorated carbon nanotube electrocatalyst for high-efficiency hydrogen evolution from seawater. <i>RSC Advances</i> , 2016 , 6, 93267-93274	3.7	21

