Yuanyuan Zhao

List of Publications by Citations

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	High-Purity Inorganic Perovskite Films for Solar Cells with 9.72 % Efficiency. *Angewandte Chemie - International Edition*, **2018**, 57, 3787-3791	16.4	318
52	Lanthanide Ions Doped CsPbBr3 Halides for HTM-Free 10.14%-Efficiency Inorganic Perovskite Solar Cell with an Ultrahigh Open-Circuit Voltage of 1.594 V. *Advanced Energy Materials*, **2018**, 8, 1802346	21.8	281
51	All-inorganic CsPbBr3 perovskite solar cell with 10.26% efficiency by spectra engineering. *Journal of Materials Chemistry A*, **2018**, 6, 24324-24329	13	133
50	Lattice Modulation of Alkali Metal Cations Doped Cs1−RxPbBr3 Halides for Inorganic Perovskite Solar Cells. *Solar Rrl*, **2018**, 2, 1800164	7.1	119
49	Carbon-Electrode-Tailored All-Inorganic Perovskite Solar Cells To Harvest Solar and Water-Vapor Energy. *Angewandte Chemie - International Edition*, **2018**, 57, 5746-5749	16.4	95
48	Inorganic perovskite solar cells: an emerging member of the photovoltaic community. *Journal of Materials Chemistry A*, **2019**, 7, 21036-21068	13	93
47	Simplified Perovskite Solar Cell with 4.1% Efficiency Employing Inorganic CsPbBr as Light Absorber. *Small*, **2018**, 14, e1704443	11	91
46	9.13%-Efficiency and stable inorganic CsPbBr3 solar cells. Lead-free CsSnBr3-xIx quantum dots promote charge extraction. *Journal of Power Sources*, **2018**, 399, 76-82	8.9	79
45	Hole-Boosted Cu(Cr,M)O Nanocrystals for All-Inorganic CsPbBr Perovskite Solar Cells. *Angewandte Chemie - International Edition*, **2019**, 58, 16147-16151	16.4	77
44	High-Purity Inorganic Perovskite Films for Solar Cells with 9.72 % Efficiency. *Angewandte Chemie*, **2018**, 130, 3849-3853	3.6	76
43	Divalent hard Lewis acid doped CsPbBr3 films for 9.63%-efficiency and ultra-stable all-inorganic perovskite solar cells. *Journal of Materials Chemistry A*, **2019**, 7, 6877-6882	13	68
42	Using SnO2 QDs and CsMBr3 (M = Sn, Bi, Cu) QDs as Charge-Transporting Materials for 10.6%-Efficiency All-Inorganic CsPbBr3 Perovskite Solar Cells with an Ultrahigh Open-Circuit Voltage of 1.610 V. *Solar Rrl*, **2019**, 3, 1800284	7.1	65
41	Poly(3-hexylthiophene)/zinc phthalocyanine composites for advanced interface engineering of 10.03%-efficiency CsPbBr3 perovskite solar cells. *Journal of Materials Chemistry A*, **2019**, 7, 12635-12644	13	63
40	Toward fast charge extraction in all-inorganic CsPbBr3 perovskite solar cells by setting intermediate energy levels. *Solar Energy*, **2018**, 171, 279-285	6.8	54
39	Alloy-Controlled Work Function for Enhanced Charge Extraction in All-Inorganic CsPbBr Perovskite Solar Cells. *ChemSusChem*, **2018**, 11, 1432-1437	8.3	45
38	Spray-assisted deposition of CsPbBr3 films in ambient air for large-area inorganic perovskite solar cells. *Materials Today Energy*, **2018**, 10, 146-152	7	45
37	Enhanced charge extraction by setting intermediate energy levels in all-inorganic CsPbBr3 perovskite solar cells. *Electrochimica Acta*, **2018**, 279, 84-90	6.7	38

36	Generators to harvest ocean wave energy through electrokinetic principle. *Nano Energy*, **2018**, 48, 128-133	17.1	34
35	Carbon quantum dot tailored counter electrode for 7.01%-rear efficiency in a bifacial dye-sensitized solar cell. *Chemical Communications*, **2017**, 53, 9894-9897	5.8	30
34	Organic hole-transporting materials for 9.32%-efficiency and stable CsPbBr3 perovskite solar cells. *Materials Chemistry Frontiers*, **2018**, 2, 2239-2244	7.8	30
33	Advanced Modification of Perovskite Surfaces for Defect Passivation and Efficient Charge Extraction in Air-Stable CsPbBr3 Perovskite Solar Cells. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 19286-19294	8.3	29
32	Enhanced energy level alignment and hole extraction of carbon electrode for air-stable hole-transporting material-free CsPbBr3 perovskite solar cells. *Solar Energy Materials and Solar Cells*, **2020**, 205, 110267	6.4	26
31	Enhanced charge extraction with all-carbon electrodes for inorganic CsPbBr perovskite solar cells. *Dalton Transactions*, **2018**, 47, 15283-15287	4.3	26
30	10.34%-efficient integrated CsPbBr3/bulk-heterojunction solar cells. *Journal of Power Sources*, **2019**, 440, 227151	8.9	25
29	Self-powered PEDOT and derivate monoelectrodes to harvest rain energy. *Nano Energy*, **2017**, 41, 293-300	17.1	22
28	S-doped CQDs tailored transparent counter electrodes for high-efficiency bifacial dye-sensitized solar cells. *Electrochimica Acta*, **2018**, 261, 588-595	6.7	22
27	Enhanced charge extraction in carbon-based all-inorganic CsPbBr3 perovskite solar cells by dual-function interface engineering. *Electrochimica Acta*, **2019**, 328, 135102	6.7	22
26	Carbide decorated carbon nanotube electrocatalyst for high-efficiency hydrogen evolution from seawater. *RSC Advances*, **2016**, 6, 93267-93274	3.7	21
25	Sonochemistry-assisted black/red phosphorus hybrid quantum dots for dye-sensitized solar cells. *Journal of Power Sources*, **2019**, 410-411, 53-58	8.9	21
24	All-inorganic bifacial CsPbBr perovskite solar cells with a 98.5%-bifacial factor. *Chemical Communications*, **2018**, 54, 8237-8240	5.8	21
23	Hole-Boosted Cu(Cr,M)O2 Nanocrystals for All-Inorganic CsPbBr3 Perovskite Solar Cells. *Angewandte Chemie*, **2019**, 131, 16293-16297	3.6	19
22	Harvest rain energy by polyaniline-graphene composite films. *Renewable Energy*, **2018**, 125, 995-1002	8.1	19
21	Seawater splitting for hydrogen evolution by robust electrocatalysts from secondary□M (M = Cr, Fe, Co, Ni, Mo) incorporated Pt.. *RSC Advances*, **2018**, 8, 9423-9429	3.7	19
20	A ceramic NiO/ZrO2 separator for high-temperature supercapacitor up to 140 □C. *Journal of Power Sources*, **2018**, 400, 126-134	8.9	18
19	Carbon-Electrode-Tailored All-Inorganic Perovskite Solar Cells To Harvest Solar and Water-Vapor Energy. *Angewandte Chemie*, **2018**, 130, 5848-5851	3.6	17

18	Boosted hole extraction in all-inorganic CsPbBr3 perovskite solar cells by interface engineering using MoO2/N-doped carbon nanospheres composite. *Solar Energy Materials and Solar Cells*, **2020**, 209, 110460	6.4	16
17	Well-aligned NiPt alloy counter electrodes for high-efficiency dye-sensitized solar cell applications. *Journal of Energy Chemistry*, **2019**, 30, 49-56	12	16
16	Robust electrocatalysts from metal doped WO nanofibers for hydrogen evolution. *Chemical Communications*, **2017**, 53, 4323-4326	5.8	15
15	Dimensionality Control of SnO Films for Hysteresis-Free, All-Inorganic CsPbBr Perovskite Solar Cells with Efficiency Exceeding 10. *ACS Applied Materials & Interfaces*, **2021**, 13, 11058-11066	9.5	12
14	Universal Dynamic Liquid Interface for Healing Perovskite Solar Cells.. *Advanced Materials*, **2022**, e2202301	24	12
13	Mo incorporated W18O49 nanofibers as robust electrocatalysts for high-efficiency hydrogen evolution. *International Journal of Hydrogen Energy*, **2017**, 42, 14534-14546	6.7	11
12	Efficiency enhancement of hybridized solar cells through co-sensitization and fast charge extraction by up-converted polyethylene glycol modified carbon quantum dots. *Journal of Power Sources*, **2017**, 367, 158-166	8.9	11
11	Self-powered monoelectrodes made from graphene composite films to harvest rain energy. *Energy*, **2018**, 158, 555-563	7.9	11
10	Bifunctional polyaniline electrode tailored hybridized solar cells for energy harvesting from sun and rain. *Journal of Energy Chemistry*, **2018**, 27, 742-747	12	10
9	Photo-induced charge boosting of liquid–solid electrokinetic generators for efficient wave energy harvesting. *Journal of Materials Chemistry A*, **2019**, 7, 5373-5380	13	9
8	Interfacial engineering of hybridized solar cells for simultaneously harvesting solar and rain energies. *Journal of Materials Chemistry A*, **2017**, 5, 18551-18560	13	8
7	Extra-high short-circuit current for bifacial solar cells in sunny and dark-light conditions. *Chemical Communications*, **2017**, 53, 10046-10049	5.8	7
6	Self-powered flexible monoelectrodes from graphene/reduced graphene oxide composite films to harvest rain energy. *Journal of Alloys and Compounds*, **2019**, 776, 31-35	5.7	7
5	Hollow optical fiber induced solar cells with optical energy storage and conversion. *Chemical Communications*, **2017**, 53, 12233-12235	5.8	5
4	Rain-responsive polypyrrole-graphene/PtCo electrodes for energy harvest. *Electrochimica Acta*, **2018**, 285, 139-148	6.7	4
3	Enhanced hole extraction by electron-rich alloys in all-inorganic CsPbBr perovskite solar cells. *Chemical Communications*, **2021**, 57, 7577-7580	5.8	2
2	Using SnO2 QDs and CsMBr3 (M = Sn, Bi, Cu) QDs as Charge-Transporting Materials for 10.6%-Efficiency All-Inorganic CsPbBr3 Perovskite Solar Cells with an Ultrahigh Open-Circuit Voltage of 1.610 V (Solar RRL 32019). *Solar Rrl*, **2019**, 3, 1970035	7.1	1
1	Self-Powered Low-Platinum Nanorod Alloy Monoelectrodes for Rain Energy Harvest. *Energy Technology*, **2018**, 6, 1606-1609	3.5	1