Jingru Zhang

List of Publications by Year
in descending order

24 papers	3,826 citations	394421 19 h-index	580821 25 g-index
26 all docs	26 docs citations	26 times ranked	4753 citing authors

#	Article	IF	Citations
1	Twoâ€Inchâ€Sized Perovskite CH₃NH₃PbX₃ (X = Cl, Br, I) Crystals: Growth and Characterization. Advanced Materials, 2015, 27, 5176-5183.	21.0	914
2	Allâ€Inorganic CsPbX₃ Perovskite Solar Cells: Progress and Prospects. Angewandte Chemie - International Edition, 2019, 58, 15596-15618.	13.8	425
3	All-inorganic cesium lead iodide perovskite solar cells with stabilized efficiency beyond 15%. Nature Communications, 2018, 9, 4544.	12.8	379
4	Interstitial Mn²⁺-Driven High-Aspect-Ratio Grain Growth for Low-Trap-Density Microcrystalline Films for Record Efficiency CsPbI₂Br Solar Cells. ACS Energy Letters, 2018, 3, 970-978.	17.4	356
5	Graded Bandgap CsPbI2+Br1â^' Perovskite Solar Cells with a Stabilized Efficiency of 14.4%. Joule, 2018, 2, 1500-1510.	24.0	307
6	3Dâ€“2Dâ€“0D Interface Profiling for Record Efficiency Allâ€Inorganic CsPbBrI₂ Perovskite Solar Cells with Superior Stability. Advanced Energy Materials, 2018, 8, 1703246.	19.5	301
7	Energy-Down-Shift CsPbCl₃:Mn Quantum Dots for Boosting the Efficiency and Stability of Perovskite Solar Cells. ACS Energy Letters, 2017, 2, 1479-1486.	17.4	221
8	All-Ambient Processed Binary CsPbBr₃â€“CsPb₂Br₅ Perovskites with Synergistic Enhancement for High-Efficiency Csâ€“Pbâ€“Br-Based Solar Cells. ACS Applied Materials & Interfaces, 2018, 10, 7145-7154.	8.0	171
9	ITIC surface modification to achieve synergistic electron transport layer enhancement for planar-type perovskite solar cells with efficiency exceeding 20%. Journal of Materials Chemistry A, 2017, 5, 9514-9522.	10.3	103
10	Stable ultra-fast broad-bandwidth photodetectors based on Î±-CsPbI₃ perovskite and NaYF₄:Yb,Er quantum dots. Nanoscale, 2017, 9, 6278-6285.	5.6	93
11	High-performance transparent ultraviolet photodetectors based on inorganic perovskite CsPbCl₃ nanocrystals. RSC Advances, 2017, 7, 36722-36727.	3.6	90
12	Iodineâ€Optimized Interface for Inorganic CsPbI₂Br Perovskite Solar Cell to Attain High Stabilized Efficiency Exceeding 14%. Advanced Science, 2018, 5, 1801123.	11.2	90
13	Moltenâ€Saltâ€Assisted CsPbI₃ Perovskite Crystallization for Nearly 20%â€Efficiency Solar Cells. Advanced Materials, 2021, 33, e2103770.	21.0	81
14	Enhanced Efficiency of Inorganic CsPbI_{3â^'}_xBr_x Perovskite Solar Cell via Selfâ€Regulation of Antisite Defects. Advanced Energy Materials, 2021, 11, 2100403.	19.5	45
15	Ligandâ€Anchoringâ€Induced Oriented Crystal Growth for Highâ€Efficiency Leadâ€Tin Perovskite Solar Cells. Advanced Functional Materials, 2022, 32, .	14.9	38
16	Defects in CsPbX₃ Perovskite: From Understanding to Effective Manipulation for Highâ€Performance Solar Cells. Small Methods, 2021, 5, e2100725.	8.6	37
17	Design of surface termination for high-performance perovskite solar cells. Journal of Materials Chemistry A, 2021, 9, 23597-23606.	10.3	25
18	Anorganische CsPbX₃â€Perowskitâ€Solarzellen: Fortschritte und Perspektiven. Angewandte Chemie, 2019, 131, 15742-15765.	2.0	20

#	Article	IF	Citations
19	Highly Efficient and Stable CsPbTh₃ (Th = I, Br, Cl) Perovskite Solar Cells by Combinational Passivation Strategy. Advanced Science, 2022, 9, e2105103.	11.2	20
20	Identification and Characterization of lncRNAs Related to the Muscle Growth and Development of Japanese Flounder (Paralichthys olivaceus). Frontiers in Genetics, 2020, 11, 1034.	2.3	11
21	Joint Subcarrier Assignment and Downlink-Uplink Time-Power Allocation for Wireless Powered OFDM-NOMA Systems. , 2018, , .		6
22	Methylation status and expression patterns of myomaker gene play important roles in postnatal development in the Japanese flounder (Paralichthys olivaceus). General and Comparative Endocrinology, 2019, 280, 104-114.	1.8	6
23	Pore structure and VOCs adsorption characteristics of activated coke powders derived via oneâ€step rapid pyrolysis activation method. Asia-Pacific Journal of Chemical Engineering, 2020, 15, e2503.	1.5	4
24	Systematic identification and expression analysis of the Sox gene family in spotted sea bass (Lateolabrax maculatus). Comparative Biochemistry and Physiology Part D: Genomics and Proteomics, 2021, 38, 100817.	1.0	2