

Congcong Wang

List of Publications by Year in descending order

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21
papers

3,010
citations

471509

17
h-index

713466

21
g-index

21
all docs

21
docs citations

21
times ranked

5148
citing authors

#	ARTICLE	IF	CITATIONS
1	Sensitive X-ray detectors made of methylammonium lead tribromide perovskite single crystals. <i>Nature Photonics</i> , 2016, 10, 333-339.	31.4	1,271
2	Stabilizing halide perovskite surfaces for solar cell operation with wide-bandgap lead oxysalts. <i>Science</i> , 2019, 365, 473-478.	12.6	723
3	Light-Induced Degradation of CH ₃ NH ₃ PbI ₃ Hybrid Perovskite Thin Film. <i>Journal of Physical Chemistry C</i> , 2017, 121, 3904-3910.	3.1	265
4	Degradation by Exposure of Coevaporated CH ₃ NH ₃ PbI ₃ Thin Films. <i>Journal of Physical Chemistry C</i> , 2015, 119, 23996-24002.	3.1	112
5	Electronic structures at the interface between Au and CH ₃ NH ₃ PbI ₃ . <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 896-902.	2.8	82
6	Argon Plasma Treatment to Tune Perovskite Surface Composition for High Efficiency Solar Cells and Fast Photodetectors. <i>Advanced Materials</i> , 2018, 30, 1705176.	21.0	81
7	Environmental Surface Stability of the MAPbBr ₃ Single Crystal. <i>Journal of Physical Chemistry C</i> , 2018, 122, 3513-3522.	3.1	66
8	Semiconductor quantum dot-sensitized rainbow photocathode for effective photoelectrochemical hydrogen generation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 11297-11302.	7.1	53
9	Electronic structure evolution of fullerene on CH ₃ NH ₃ PbI ₃ . <i>Applied Physics Letters</i> , 2015, 106, .	3.3	44
10	Surface analytical investigation on organometal triiodide perovskite. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2015, 33, .	1.2	43
11	Investigation on thermal evaporated CH ₃ NH ₃ PbI ₃ thin films. <i>AIP Advances</i> , 2015, 5, .	1.3	42
12	Interfacial electronic structures of buffer-modified pentacene/C60-based charge generation layer. <i>Organic Electronics</i> , 2015, 17, 325-333.	2.6	39
13	Degradation of co-evaporated perovskite thin film in air. <i>Chemical Physics Letters</i> , 2016, 649, 151-155.	2.6	39
14	Electronic structure evolution and energy level alignment at C60/4,4'-cyclohexylidenebis[N,N-bis(4-methylphenyl) benzenamine]/MoOx/indium tin oxide interfaces. <i>Journal of Applied Physics</i> , 2014, 115, .	2.5	36
15	Valence band dispersion measurements of perovskite single crystals using angle-resolved photoemission spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 5361-5365.	2.8	32
16	Investigation of a Solution-Processable, Nonspecific Surface Modifier for Low Cost, High Work Function Electrodes. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 19658-19664.	8.0	24
17	Intrinsic Behavior of CH ₃ NH ₃ PbBr ₃ Single Crystals under Light Illumination. <i>Advanced Materials Interfaces</i> , 2018, 5, 1801206.	3.7	18
18	Stability of Perovskites at the Surface Analytic Level. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 4657-4666.	4.6	17

#	ARTICLE	IF	CITATIONS
19	Molecular orientation of copper phthalocyanine thin films on different monolayers of fullerene on SiO ₂ or highly oriented pyrolytic graphite. Applied Physics Letters, 2015, 106, .	3.3	12
20	Electronic structure evolution in doping of fullerene (C ₆₀) by ultra-thin layer molybdenum trioxide. Journal of Applied Physics, 2015, 118, .	2.5	7
21	Degradation of Co-Evaporated Perovskite Thin Films. MRS Advances, 2016, 1, 923-929.	0.9	4