

Congcong Wang

List of Publications by Year in descending order

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21
papers

3,010
citations

471061

17
h-index

713013

21
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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. Nature Photonics, 2016, 10, 333-339. | 15.6 | 1,271 |
| 2 | Stabilizing halide perovskite surfaces for solar cell operation with wide-bandgap lead oxysalts. Science, 2019, 365, 473-478. | 6.0 | 723 |
| 3 | Light-Induced Degradation of CH ₃ NH ₃ PbI ₃ Hybrid Perovskite Thin Film. Journal of Physical Chemistry C, 2017, 121, 3904-3910. | 1.5 | 265 |
| 4 | Degradation by Exposure of Coevaporated CH ₃ NH ₃ PbI ₃ Thin Films. Journal of Physical Chemistry C, 2015, 119, 23996-24002. | 1.5 | 112 |
| 5 | Electronic structures at the interface between Au and CH ₃ NH ₃ PbI ₃ . Physical Chemistry Chemical Physics, 2015, 17, 896-902. | 1.3 | 82 |
| 6 | Argon Plasma Treatment to Tune Perovskite Surface Composition for High Efficiency Solar Cells and Fast Photodetectors. Advanced Materials, 2018, 30, 1705176. | 11.1 | 81 |
| 7 | Environmental Surface Stability of the MAPbBr ₃ Single Crystal. Journal of Physical Chemistry C, 2018, 122, 3513-3522. | 1.5 | 66 |
| 8 | Semiconductor quantum dot-sensitized rainbow photocathode for effective photoelectrochemical hydrogen generation. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 11297-11302. | 3.3 | 53 |
| 9 | Electronic structure evolution of fullerene on CH ₃ NH ₃ PbI ₃ . Applied Physics Letters, 2015, 106, . | 1.5 | 44 |
| 10 | Surface analytical investigation on organometal triiodide perovskite. Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics, 2015, 33, . | 0.6 | 43 |
| 11 | Investigation on thermal evaporated CH ₃ NH ₃ PbI ₃ thin films. AIP Advances, 2015, 5, . | 0.6 | 42 |
| 12 | Interfacial electronic structures of buffer-modified pentacene/C60-based charge generation layer. Organic Electronics, 2015, 17, 325-333. | 1.4 | 39 |
| 13 | Degradation of co-evaporated perovskite thin film in air. Chemical Physics Letters, 2016, 649, 151-155. | 1.2 | 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. Journal of Applied Physics, 2014, 115, . | 1.1 | 36 |
| 15 | Valence band dispersion measurements of perovskite single crystals using angle-resolved photoemission spectroscopy. Physical Chemistry Chemical Physics, 2017, 19, 5361-5365. | 1.3 | 32 |
| 16 | Investigation of a Solution-Processable, Nonspecific Surface Modifier for Low Cost, High Work Function Electrodes. ACS Applied Materials & Interfaces, 2016, 8, 19658-19664. | 4.0 | 24 |
| 17 | Intrinsic Behavior of CH ₃ NH ₃ PbBr ₃ Single Crystals under Light Illumination. Advanced Materials Interfaces, 2018, 5, 1801206. | 1.9 | 18 |
| 18 | Stability of Perovskites at the Surface Analytic Level. Journal of Physical Chemistry Letters, 2018, 9, 4657-4666. | 2.1 | 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, . | 1.5 | 12 |
| 20 | Electronic structure evolution in doping of fullerene (C ₆₀) by ultra-thin layer molybdenum trioxide. Journal of Applied Physics, 2015, 118, . | 1.1 | 7 |
| 21 | Degradation of Co-Evaporated Perovskite Thin Films. MRS Advances, 2016, 1, 923-929. | 0.5 | 4 |