ChuanXiang Sheng

List of Publications by Year
in descending order

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Version: 2024-02-01

31 papers	567 citations	687363 13 h-index	642732 23 g-index
31 all docs	31 docs citations	31 times ranked	1184 citing authors

#	Article	IF	Citations
1	Slow Hot-Carrier-Cooling in a 2D Lead-Iodide Perovskite Film and Its Photovoltaic Device. Journal of Physical Chemistry C, 2022, 126, 2374-2382.	3.1	6
2	Gridizationâ€Driven Mesoscale Selfâ€Assembly of Conjugated Nanopolymers into Luminescenceâ€Anisotropic Photonic Crystals. Advanced Materials, 2022, 34, e2109399.	21.0	14
3	Phase segregation leading to tunable amplified spontaneous emission in mixed halide perovskites. Materials Letters, 2022, 313, 131843.	2.6	1
4	Simple method to synthesize larger n 2D perovskite from (C(NH2)3)(CH3NH3)n[PbnI3n+1] of n = 1 using isopropanol. Organic Electronics, 2022, 105, 106486.	2.6	3
5	Effects of Spin-Casting Speed on Solar Cell Performances and Corresponding Films Morphology and Optical Properties Using 2D Perovskite of PEA2MA2Pb3I10. Electronic Materials Letters, 2022, 18, 282-293.	2.2	3
6	Highly efficient inverted planar solar cell using formamidinium-based quasi-two dimensional perovskites. Journal of Alloys and Compounds, 2022, 921, 166139.	5.5	6
7	Excitonic Solar Cells Using 2D Perovskite of (BA)₂(FA)₂Pb₃I₁₀. Journal of Physical Chemistry C, 2021, 125, 2212-2219.	3.1	17
8	Unusual Polarization Relation between Single-Mode Lasing Emission and Excitation Laser from an Evanescent-Wave Pumped Micro-Cavity Laser. Photonics, 2021, 8, 66.	2.0	0
9	Electrohydrodynamics-Printed Silver Nanoparticle Flexible Pressure Sensors With Improved Gauge Factor. IEEE Sensors Journal, 2021, 21, 5836-5844.	4.7	15
10	Light-Induced Photoluminescence Quenching and Degradation in Quasi 2D Perovskites Film of (C6H5C2H4NH3)2 (CH3NH3)2[Pb3I10]. Applied Sciences (Switzerland), 2021, 11, 2683.	2.5	7
11	Robust and Swiftly Reversible Thermochromic Behavior of a 2D Perovskite of (C₆H₄(CH₂NH₃)₂)(CH₃NH₃)[Pb₂<s for Smart Window and Photovoltaic Smart Window Applications. ACS Applied Materials & Interfaces, 2021, 13, 12042-12048.	8.0	32
12	Efficient Hole Transfer via Delocalized Excited State in Small Molecular Acceptor: A Comparative Study on Photodynamics of PM6:Y6 and PM6:ITIC Organic Photovoltaic Blends. Advanced Functional Materials, 2021, 31, 2102764.	14.9	37
13	Improved Hole Transfer and Charge Generation in All-Polymer Photovoltaic Blends with a Pâ€“iâ€“N Structure. Journal of Physical Chemistry C, 2020, 124, 25262-25269.	3.1	11
14	Contrasting Electron and Hole Transfer Dynamics from CH(NH2)2PbI3 Perovskite Quantum Dots to Charge Transport Layers. Applied Sciences (Switzerland), 2020, 10, 5553.	2.5	5
15	Effect of Thermal Annealing on Conformation of MEH-PPV Chains in Polymer Matrix: Coexistence of H- and J-Aggregates. Polymers, 2020, 12, 1771.	4.5	4
16	Effect of Thermal Annealing on Aggregations in MEH-PPV Films. Journal of Physical Chemistry C, 2019, 123, 11055-11062.	3.1	7
17	Optical Properties of Two-Dimensional Perovskite Films of (C₆H₅C₂H₄NH₃)₂[PbI₄] and (C₆H₅C₂H₄NH₃)₂(CH₃NH₃)₂[Pb₃I₁₀]. Journal of Physical Chemistry Letters, 2019, 10, 13-19.	4.6	43
18	Circularly polarized photoluminescence and Hanle effect measurements of spin relaxation in organicâ€“inorganic hybrid perovskite films. Journal of Materials Chemistry C, 2018, 6, 2989-2995.	5.5	35

#	Article	IF	Citations
19	A theoretical study on achieving the generalized binomial states with second harmonic generation processes. Optical and Quantum Electronics, 2018, 50, 1.	3.3	0
20	Improved Charge Generation via Ultrafast Effective Holeâ€Transfer in Allâ€Polymer Photovoltaic Blends with Large Highest Occupied Molecular Orbital (HOMO) Energy Offset and Proper Crystal Orientation. Advanced Functional Materials, 2018, 28, 1801611.	14.9	27
21	Photoluminescence in Organometal Halide Perovskites: Free Carrier Versus Exciton. IEEE Journal of Photovoltaics, 2017, 7, 513-517.	2.5	2
22	Effect on the morphology and optical properties of CH 3 NH 3 PbI 3 with additive of NH 4 Cl. Optical Materials, 2017, 64, 461-467.	3.6	6
23	Thermal Annealing Effect on Ultrafast Charge Transfer in All-Polymer Solar Cells with a Non-Fullerene Acceptor N2200. Journal of Physical Chemistry C, 2017, 121, 8804-8811.	3.1	20
24	SESAM Q -Switched Ho3+-Doped ZBLAN Fiber Laser at 1190 nm. IEEE Photonics Technology Letters, 2017, 29, 743-746.	2.5	14
25	Long Lived Photoexcitation Dynamics in Ï€-Conjugated Polymer/PbS Quantum Dot Blended Films for Photovoltaic Application. Polymers, 2017, 9, 352.	4.5	5
26	Origin of thermal instability of CH 3 NH 3 PbI 3âˆ'x Cl x films for photovoltaic devices. Materials Letters, 2016, 176, 114-117.	2.6	9
27	Light induced metastable modification of optical properties in CH3NH3PbI3âˆ'xBrx perovskite films: Two-step mechanism. Organic Electronics, 2016, 34, 79-83.	2.6	73
28	Exceptional elastic anisotropy of hybrid organicâ€“inorganic perovskite CH₃NH₃PbBr₃ measured by laser ultrasonic technique. Physica Status Solidi - Rapid Research Letters, 2016, 10, 606-612.	2.4	31
29	Ultrafast Electron Transfer in Lowâ€Band Gap Polymer/PbS Nanocrystalline Blend Films. Advanced Functional Materials, 2016, 26, 713-721.	14.9	17
30	Ultrafast photomodulation spectroscopy of Ï€-conjugated polymers, nanotubes and organometal trihalide perovskites: A comparison. Synthetic Metals, 2016, 216, 31-39.	3.9	4
31	Exciton versus Free Carrier Photogeneration in Organometal Trihalide Perovskites Probed by Broadband Ultrafast Polarization Memory Dynamics. Physical Review Letters, 2015, 114, 116601.	7.8	113