Jun-Ze Li

List of Publications by Year
in descending order

31	1,359	394421 19	434195 31
papers	citations	h-index	g-index

31	31	31	1749
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Nonvolatile electrical switching of optical and valleytronic properties of interlayer excitons. Light: Science and Applications, 2022, 11, 23.	16.6	9
2	Enhanced Rashba Indirect Exciton Emission in 2D Dionâ€“Jacobson Perovskite Microplates via Efficient Photon Recycling. Advanced Optical Materials, 2022, 10, 2102103.	7.3	3
3	Light-Controlled Reconfigurable Optical Synapse Based on Carbon Nanotubes/2D Perovskite Heterostructure for Image Recognition. ACS Applied Materials & Interfaces, 2022, 14, 28221-28229.	8.0	6
4	2D perovskite narrowband photodetector arrays. Journal of Materials Chemistry C, 2021, 9, 11085-11090.	5.5	18
5	Excitonâ€“Phonon Interaction-Induced Large In-Plane Optical Anisotropy in Two-Dimensional All-Inorganic Perovskite Crystals. Journal of Physical Chemistry Letters, 2021, 12, 3387-3392.	4.6	15
6	Thermally Assisted Rashba Splitting and Circular Photogalvanic Effect in Aqueously Synthesized 2D Dionâ€“Jacobson Perovskite Crystals. Nano Letters, 2021, 21, 4584-4591.	9.1	22
7	Self-Powered Filterless On-Chip Full-Stokes Polarimeter. Nano Letters, 2021, 21, 6156-6162.	9.1	13
8	A chain-type diamine strategy towards strongly anisotropic triiodide of DMEDAÂ·I6. Science China Materials, 2020, 63, 566-574.	6.3	4
9	Robust Interlayer Coupling in Two-Dimensional Perovskite/Monolayer Transition Metal Dichalcogenide Heterostructures. ACS Nano, 2020, 14, 10258-10264.	14.6	67
10	Manipulation of Valley Pseudospin by Selective Spin Injection in Chiral Two-Dimensional Perovskite/Monolayer Transition Metal Dichalcogenide Heterostructures. ACS Nano, 2020, 14, 15154-15160.	14.6	49
11	Self-trapped excitons in two-dimensional perovskites. Frontiers of Optoelectronics, 2020, 13, 225-234.	3.7	77
12	Electric-field-induced phase transition in 2D layered perovskite (BA)2PbI4 microplate crystals. Applied Physics Letters, 2020, 116, .	3.3	4
13	Circularly Polarized Luminescence from Chiral Tetranuclear Copper(I) Iodide Clusters. Journal of Physical Chemistry Letters, 2020, 11, 1255-1260.	4.6	79
14	Anisotropy of Excitons in Two-Dimensional Perovskite Crystals. ACS Nano, 2020, 14, 2156-2161.	14.6	52
15	Optical anisotropy of one-dimensional perovskite C₄N₂H₁₄PbI₄ crystals. JPhys Photonics, 2020, 2, 014008.	4.6	16
16	Multistate Memory Enabled by Interface Engineering Based on Multilayer Tungsten Diselenide. ACS Applied Materials & Interfaces, 2020, 12, 58428-58434.	8.0	18
17	Light-Enhanced Ion Migration in Two-Dimensional Perovskite Single Crystals Revealed in Carbon Nanotubes/Two-Dimensional Perovskite Heterostructure and Its Photomemory Application. ACS Central Science, 2019, 5, 1857-1865.	11.3	45
18	Filterless Polarizationâ€Sensitive 2D Perovskite Narrowband Photodetectors. Advanced Optical Materials, 2019, 7, 1900988.	7.3	83

#	Article	IF	Citations
19	Chargeâ€Accumulation Effect in Transition Metal Dichalcogenide Heterobilayers. Small, 2019, 15, e1902424.	10.0	30
20	Surface depletion field in 2D perovskite microplates: Structural phase transition, quantum confinement and Stark effect. Nano Research, 2019, 12, 2858-2865.	10.4	11
21	The Role of Chloride Incorporation in Leadâ€Free 2D Perovskite (BA)₂SnI₄: Morphology, Photoluminescence, Phase Transition, and Charge Transport. Advanced Science, 2019, 6, 1802019.	11.2	42
22	Giant Nonlinear Optical Response in 2D Perovskite Heterostructures. Advanced Optical Materials, 2019, 7, 1900398.	7.3	58
23	Controllable Growth of Centimeter-Sized 2D Perovskite Heterostructures for Highly Narrow Dual-Band Photodetectors. ACS Nano, 2019, 13, 5473-5484.	14.6	110
24	Temperature-Dependent Band Gap in Two-Dimensional Perovskites: Thermal Expansion Interaction and Electronâ€“Phonon Interaction. Journal of Physical Chemistry Letters, 2019, 10, 2546-2553.	4.6	90
25	Self-trapped state enabled filterless narrowband photodetections in 2D layered perovskite single crystals. Nature Communications, 2019, 10, 806.	12.8	207
26	Two-Dimensional Lead-Free Perovskite (C₆H₅C₂H₄NH₃)₂CsSn₂I₇ with High Hole Mobility. Journal of Physical Chemistry Letters, 2019, 10, 7-12.	4.6	37
27	Vaporâ€Phase Growth of CsPbBr₃ Microstructures for Highly Efficient Pure Green Light Emission. Advanced Optical Materials, 2019, 7, 1801336.	7.3	30
28	Fabrication of single phase 2D homologous perovskite microplates by mechanical exfoliation. 2D Materials, 2018, 5, 021001.	4.4	65
29	Controllable growth of two-dimensional perovskite microstructures. CrystEngComm, 2018, 20, 6538-6545.	2.6	14
30	Two-Step Growth of 2D Organicâ€“Inorganic Perovskite Microplates and Arrays for Functional Optoelectronics. Journal of Physical Chemistry Letters, 2018, 9, 4532-4538.	4.6	31
31	Controllable Synthesis of Two-Dimensional Ruddlesdenâ€“Popper-Type Perovskite Heterostructures. Journal of Physical Chemistry Letters, 2017, 8, 6211-6219.	4.6	54