

Jun-Ze Li

List of Publications by Year in descending order

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31
papers

1,359
citations

394421

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31
docs citations

31
times ranked

1749
citing authors

#	ARTICLE	IF	CITATIONS
1	Self-trapped state enabled filterless narrowband photodetections in 2D layered perovskite single crystals. <i>Nature Communications</i> , 2019, 10, 806.	12.8	207
2	Controllable Growth of Centimeter-Sized 2D Perovskite Heterostructures for Highly Narrow Dual-Band Photodetectors. <i>ACS Nano</i> , 2019, 13, 5473-5484.	14.6	110
3	Temperature-Dependent Band Gap in Two-Dimensional Perovskites: Thermal Expansion Interaction and Electron-Phonon Interaction. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 2546-2553.	4.6	90
4	Filterless Polarization-Sensitive 2D Perovskite Narrowband Photodetectors. <i>Advanced Optical Materials</i> , 2019, 7, 1900988.	7.3	83
5	Circularly Polarized Luminescence from Chiral Tetranuclear Copper(I) Iodide Clusters. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 1255-1260.	4.6	79
6	Self-trapped excitons in two-dimensional perovskites. <i>Frontiers of Optoelectronics</i> , 2020, 13, 225-234.	3.7	77
7	Robust Interlayer Coupling in Two-Dimensional Perovskite/Monolayer Transition Metal Dichalcogenide Heterostructures. <i>ACS Nano</i> , 2020, 14, 10258-10264.	14.6	67
8	Fabrication of single phase 2D homologous perovskite microplates by mechanical exfoliation. <i>2D Materials</i> , 2018, 5, 021001.	4.4	65
9	Giant Nonlinear Optical Response in 2D Perovskite Heterostructures. <i>Advanced Optical Materials</i> , 2019, 7, 1900398.	7.3	58
10	Controllable Synthesis of Two-Dimensional Ruddlesden-Popper-Type Perovskite Heterostructures. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 6211-6219.	4.6	54
11	Anisotropy of Excitons in Two-Dimensional Perovskite Crystals. <i>ACS Nano</i> , 2020, 14, 2156-2161.	14.6	52
12	Manipulation of Valley Pseudospin by Selective Spin Injection in Chiral Two-Dimensional Perovskite/Monolayer Transition Metal Dichalcogenide Heterostructures. <i>ACS Nano</i> , 2020, 14, 15154-15160.	14.6	49
13	Light-Enhanced Ion Migration in Two-Dimensional Perovskite Single Crystals Revealed in Carbon Nanotubes/Two-Dimensional Perovskite Heterostructure and Its Photomemory Application. <i>ACS Central Science</i> , 2019, 5, 1857-1865.	11.3	45
14	The Role of Chloride Incorporation in Lead-Free 2D Perovskite (BA) ₂ SnI ₄ : Morphology, Photoluminescence, Phase Transition, and Charge Transport. <i>Advanced Science</i> , 2019, 6, 1802019.	11.2	42
15	Two-Dimensional Lead-Free Perovskite (C ₆ H ₅ C ₂ H ₄ NH ₃) ₂ CsSn ₂ X ₇ with High Hole Mobility. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 7-12.		
16	Two-Step Growth of 2D Organic-Inorganic Perovskite Microplates and Arrays for Functional Optoelectronics. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 4532-4538.	4.6	31
17	Charge Accumulation Effect in Transition Metal Dichalcogenide Heterobilayers. <i>Small</i> , 2019, 15, e1902424.	10.0	30
18	Vapor-Phase Growth of CsPbBr ₃ Microstructures for Highly Efficient Pure Green Light Emission. <i>Advanced Optical Materials</i> , 2019, 7, 1801336.	7.3	30

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19	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
20	2D perovskite narrowband photodetector arrays. Journal of Materials Chemistry C, 2021, 9, 11085-11090.	5.5	18
21	Multistate Memory Enabled by Interface Engineering Based on Multilayer Tungsten Diselenide. ACS Applied Materials & Interfaces, 2020, 12, 58428-58434.	8.0	18
22	Optical anisotropy of one-dimensional perovskite $C_{4}N_{2}H_{14}Pb_{4}$ crystals. JPhys Photonics, 2020, 2, 014008.	4.6	16
23	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
24	Controllable growth of two-dimensional perovskite microstructures. CrystEngComm, 2018, 20, 6538-6545.	2.6	14
25	Self-Powered Filterless On-Chip Full-Stokes Polarimeter. Nano Letters, 2021, 21, 6156-6162.	9.1	13
26	Surface depletion field in 2D perovskite microplates: Structural phase transition, quantum confinement and Stark effect. Nano Research, 2019, 12, 2858-2865.	10.4	11
27	Nonvolatile electrical switching of optical and valleytronic properties of interlayer excitons. Light: Science and Applications, 2022, 11, 23.	16.6	9
28	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
29	A chain-type diamine strategy towards strongly anisotropic triiodide of DMEDA-16. Science China Materials, 2020, 63, 566-574.	6.3	4
30	Electric-field-induced phase transition in 2D layered perovskite (BA) ₂ PbI ₄ microplate crystals. Applied Physics Letters, 2020, 116, .	3.3	4
31	Enhanced Rashba Indirect Exciton Emission in 2D Dionâ€“Jacobson Perovskite Microplates via Efficient Photon Recycling. Advanced Optical Materials, 2022, 10, 2102103.	7.3	3