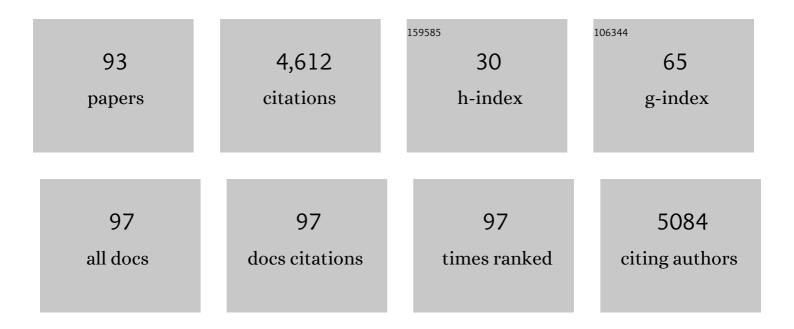


List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Overcoming the Limitation of Cs ₂ AgBiBr ₆ Double Perovskite Solar Cells Through Using Mesoporous TiO ₂ Electron Extraction Layer. Energy and Environmental Materials, 2022, 5, 1317-1322.	12.8	17
2	Enhancement of morphological and emission stability of deep-blue small molecular emitter via a universal side-chain coupling strategy for optoelectronic device. Chinese Chemical Letters, 2022, 33, 835-841.	9.0	7
3	The 3D-structure-mediated growth of zero-dimensional Cs ₄ SnX ₆ nanocrystals. Nanoscale, 2022, 14, 2248-2255.	5.6	19
4	Insight into the Enhanced Charge Transport in Quasi-2D Perovskite via Fluorination of Ammonium Cations for Photovoltaic Applications. ACS Applied Materials & Interfaces, 2022, 14, 7917-7925.	8.0	9
5	Gain Bandwidth Engineering in Polymer Blends for Fullâ€Colorâ€Tunable Lasers. Advanced Optical Materials, 2022, 10, .	7.3	5
6	Self-assembled lead-free double perovskite-MXene heterostructure with efficient charge separation for photocatalytic CO2 reduction. Applied Catalysis B: Environmental, 2022, 312, 121358.	20.2	53
7	Enhancing the Deep-Blue Emission Property of Wide Bandgap Conjugated Polymers through a Self-Cross-Linking Strategy. ACS Applied Polymer Materials, 2022, 4, 2283-2293.	4.4	4
8	Large Photomultiplication by Charge-Self-Trapping for High-Response Quantum Dot Infrared Photodetectors. ACS Applied Materials & amp; Interfaces, 2022, 14, 14783-14790.	8.0	12
9	A Molecular Design Principle for Pure-Blue Light-Emitting Polydiarylfluorene with Suppressed Defect Emission by the Side-Chain Steric Hindrance Effect. Macromolecules, 2022, 55, 3335-3343.	4.8	4
10	Large-Size and Polarization-Sensitive Two-Dimensional Sn Perovskite Single Crystals. , 2022, 4, 987-994.		8
11	Nonlinear Infrared Photodetection Based on Strong Nondegenerate Twoâ€Photon Absorption of Perovskite Single Crystal. Advanced Optical Materials, 2022, 10, .	7.3	1
12	Multiple exciton generation in tin–lead halide perovskite nanocrystals for photocurrent quantum efficiency enhancement. Nature Photonics, 2022, 16, 485-490.	31.4	40
13	Stabilizing wide-bandgap halide perovskites through hydrogen bonding. Science China Chemistry, 2022, 65, 1650-1660.	8.2	9
14	Efficient and Stable Perovskite Solar Cells by Fluorinated Ionic Liquid–Induced Component Interaction. Solar Rrl, 2021, 5, .	5.8	24
15	Toward Efficient and Stable Perovskite Solar Cells by 2D Interface Energy Band Alignment. Advanced Materials Interfaces, 2021, 8, .	3.7	19
16	Spacer Cation Tuning Enables Vertically Oriented and Graded Quasiâ€⊋D Perovskites for Efficient Solar Cells. Advanced Functional Materials, 2021, 31, 2008404.	14.9	94
17	Synergistic Interplay between Asymmetric Backbone Conformation, Molecular Aggregation, and Charge-Carrier Dynamics in Fused-Ring Electron Acceptor-Based Bulk Heterojunction Solar Cells. ACS Applied Materials & Interfaces, 2021, 13, 2961-2970.	8.0	12
18	Stabilizing black-phase formamidinium perovskite formation at room temperature and high humidity. Science, 2021, 371, 1359-1364.	12.6	508

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19	Origin of Intramolecular Lowâ€Threshold Amplified Spontaneous Emission. Advanced Optical Materials, 2021, 9, 2001956.	7.3	5
20	Effect of Zincâ€Doping on the Reduction of the Hotâ€Carrier Cooling Rate in Halide Perovskites. Angewandte Chemie, 2021, 133, 11052-11058.	2.0	2
21	Effect of Zincâ€Doping on the Reduction of the Hotâ€Carrier Cooling Rate in Halide Perovskites. Angewandte Chemie - International Edition, 2021, 60, 10957-10963.	13.8	50
22	Phase Tailoring of Ruddlesden–Popper Perovskite at Fixed Large Spacer Cation Ratio. Small, 2021, 17, e2100560.	10.0	10
23	Enhanced Electrochemical Stability by Alkyldiammonium in Dion–Jacobson Perovskite toward Ultrastable Lightâ€Emitting Diodes. Advanced Optical Materials, 2021, 9, 2100243.	7.3	21
24	Two-Dimensional Bi ₂ Sr ₂ CaCu ₂ O _{8+δ} Nanosheets for Ultrafast Photonics and Optoelectronics. ACS Nano, 2021, 15, 8919-8929.	14.6	20
25	Stable and Efficient Blueâ€Emitting CsPbBr ₃ Nanoplatelets with Potassium Bromide Surface Passivation. Small, 2021, 17, e2101359.	10.0	41
26	Diarylfluorene Flexible Pendant Functionalization of Polystyrene for Efficient and Stable Deep-Blue Polymer Light-Emitting Diodes. Macromolecules, 2021, 54, 6525-6533.	4.8	12
27	Lowâ€Ðimensional Inorganic Tin Perovskite Solar Cells Prepared by Templated Growth. Angewandte Chemie, 2021, 133, 16466-16472.	2.0	13
28	Lowâ€Dimensional Inorganic Tin Perovskite Solar Cells Prepared by Templated Growth. Angewandte Chemie - International Edition, 2021, 60, 16330-16336.	13.8	48
29	Frontispiz: Lowâ€Dimensional Inorganic Tin Perovskite Solar Cells Prepared by Templated Growth. Angewandte Chemie, 2021, 133, .	2.0	0
30	Chiral Perovskite Spin-Optoelectronics and Spintronics: Toward Judicious Design and Application. , 2021, 3, 1266-1275.		52
31	Efficient and stable Ruddlesden-Popper layered tin-based perovskite solar cells enabled by ionic liquid-bulky spacers. Science China Chemistry, 2021, 64, 1577-1585.	8.2	26
32	Frontispiece: Lowâ€Dimensional Inorganic Tin Perovskite Solar Cells Prepared by Templated Growth. Angewandte Chemie - International Edition, 2021, 60, .	13.8	0
33	Giant Spin Splitting in Chiral Perovskites Based on Local Electrical Field Engineering. Journal of Physical Chemistry Letters, 2021, 12, 6492-6498.	4.6	12
34	One-Step Synthesis of Snl ₂ ·(DMSO) _{<i>x</i>} Adducts for High-Performance Tin Perovskite Solar Cells. Journal of the American Chemical Society, 2021, 143, 10970-10976.	13.7	280
35	Elucidating the Role of Substrates on Domain Distribution of Quasi-2D Perovskites for Blue Light-Emitting Diodes. ACS Applied Electronic Materials, 2021, 3, 4056-4065.	4.3	3
36	Suppressed Phase Segregation in Highâ€Humidityâ€Processed Dion–Jacobson Perovskite Solar Cells Toward High Efficiency and Stability. Solar Rrl, 2021, 5, 2100555.	5.8	6

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37	Multiexcitonic Emission in Zero-Dimensional Cs ₂ ZrCl ₆ :Sb ³⁺ Perovskite Crystals. Journal of the American Chemical Society, 2021, 143, 17599-17606.	13.7	131
38	Suppressing the defects in cesium-based perovskites <i>via</i> polymeric interlayer assisted crystallization control. Journal of Materials Chemistry A, 2021, 9, 26149-26158.	10.3	6
39	Low–threshold sky-blue gain medium from a Triazine-capped ladder-type oligomer neat film. Organic Electronics, 2020, 76, 105452.	2.6	2
40	Crystal face dependent charge carrier extraction in TiO2/perovskite heterojunctions. Nano Energy, 2020, 67, 104227.	16.0	19
41	Cs0.15FA0.85PbI3/CsxFA1-xPbI3 Core/Shell Heterostructure for Highly Stable and Efficient Perovskite Solar Cells. Cell Reports Physical Science, 2020, 1, 100224.	5.6	35
42	Hydrothermal deposition of antimony selenosulfide thin films enables solar cells with 10% efficiency. Nature Energy, 2020, 5, 587-595.	39.5	338
43	Toward high efficiency tin perovskite solar cells: A perspective. Applied Physics Letters, 2020, 117, .	3.3	25
44	Suppressing Strong Exciton–Phonon Coupling in Blue Perovskite Nanoplatelet Solids by Binary Systems. Angewandte Chemie, 2020, 132, 22340-22346.	2.0	2
45	Suppressing Strong Exciton–Phonon Coupling in Blue Perovskite Nanoplatelet Solids by Binary Systems. Angewandte Chemie - International Edition, 2020, 59, 22156-22162.	13.8	24
46	Centimeterâ€6ized Single Crystal of Twoâ€Dimensional Halide Perovskites Incorporating Straightâ€Chain Symmetric Diammonium Ion for Xâ€Ray Detection. Angewandte Chemie - International Edition, 2020, 59, 14896-14902.	13.8	124
47	Facile deposition of high-quality Cs2AgBiBr6 films for efficient double perovskite solar cells. Science China Materials, 2020, 63, 1518-1525.	6.3	41
48	Two-dimensional tin perovskite nanoplate for pure red light-emitting diodes. Journal Physics D: Applied Physics, 2020, 53, 414005.	2.8	25
49	Theoretical Study of Using Kinetics Strategy to Enhance the Stability of Tin Perovskite. Energy and Environmental Materials, 2020, 3, 541-547.	12.8	13
50	Photoluminescence Emission during Photoreduction of Graphene Oxide Sheets as Investigated with Single-Molecule Microscopy. Journal of Physical Chemistry C, 2020, 124, 7914-7921.	3.1	15
51	Isolated asymmetric bilateral steric conjugated polymers with thickness-independent emission for efficient and stable light-emitting optoelectronic devices. Journal of Materials Chemistry C, 2020, 8, 5064-5070.	5.5	7
52	High Visibleâ€Lightâ€&timulated Plasticity in Optoelectronic Synaptic Transistors for Irradiation Historyâ€Dependent Learning. Advanced Electronic Materials, 2020, 6, 1901255.	5.1	13
53	Ultra-high open-circuit voltage of tin perovskite solar cells via an electron transporting layer design. Nature Communications, 2020, 11, 1245.	12.8	408
54	Tailoring the Surface Morphology and Phase Distribution for Efficient Perovskite Electroluminescence. Journal of Physical Chemistry Letters, 2020, 11, 5877-5882.	4.6	17

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55	Over 1Âμm electron-hole diffusion lengths in CsPbI2Br for high efficient solar cells. Journal of Power Sources, 2020, 454, 227913.	7.8	31
56	Controlling the film structure by regulating 2D Ruddlesden–Popper perovskite formation enthalpy for efficient and stable tri-cation perovskite solar cells. Journal of Materials Chemistry A, 2020, 8, 5874-5881.	10.3	23
57	Morphology Control of Doped Spiroâ€MeOTAD Films for Air Stable Perovskite Solar Cells. Small, 2020, 16, e1907513.	10.0	16
58	Centimeter‧ized Single Crystal of Twoâ€Dimensional Halide Perovskites Incorporating Straightâ€Chain Symmetric Diammonium Ion for Xâ€Ray Detection. Angewandte Chemie, 2020, 132, 15006-15012.	2.0	11
59	Vibronic coherence contributes to photocurrent generation in organic semiconductor heterojunction diodes. Nature Communications, 2020, 11, 617.	12.8	28
60	Origin of High Efficiency and Long-Term Stability in Ionic Liquid Perovskite Photovoltaic. Research, 2020, 2016345.	5.7	59
61	Near-Infrared-Excitable Organic Ultralong Phosphorescence through Multiphoton Absorption. Research, 2020, 2020, 2904928.	5.7	10
62	Unveiling the Effects of Interchain Hydrogen Bonds on Solution Gelation and Mechanical Properties of Diarylfluorene-Based Semiconductor Polymers. Research, 2020, 2020, 3405826.	5.7	29
63	Unconventional solution-phase epitaxial growth of organic-inorganic hybrid perovskite nanocrystals on metal sulfide nanosheets. Science China Materials, 2019, 62, 43-53.	6.3	20
64	Lasing from Mechanically Exfoliated 2D Homologous Ruddlesden–Popper Perovskite Engineered by Inorganic Layer Thickness. Advanced Materials, 2019, 31, e1903030.	21.0	128
65	Highly stable hybrid perovskite light-emitting diodes based on Dion-Jacobson structure. Science Advances, 2019, 5, eaaw8072.	10.3	188
66	Vapor-Phase Incommensurate Heteroepitaxy of Oriented Single-Crystal CsPbBr ₃ on GaN: Toward Integrated Optoelectronic Applications. ACS Nano, 2019, 13, 10085-10094.	14.6	59
67	Enhanced Performance of Perovskite Light-Emitting Diodes via Diamine Interface Modification. ACS Applied Materials & Interfaces, 2019, 11, 29132-29138.	8.0	42
68	Hot-substrate deposition of all-inorganic perovskite films for low-temperature processed high-efficiency solar cells. Journal of Materials Chemistry A, 2019, 7, 2773-2779.	10.3	65
69	Recent Progress in Metal Halide Perovskite Micro―and Nanolasers. Advanced Optical Materials, 2019, 7, 1900080.	7.3	95
70	Lowâ€Threshold Organic Semiconductor Lasers with the Aid of Phosphorescent Ir(III) Complexes as Triplet Sensitizers. Advanced Functional Materials, 2019, 29, 1806719.	14.9	52
71	Highâ€Performance Organic Fieldâ€Effect Transistor with Matching Energyâ€Band Alignment between Organic Semiconductor and the Chargeâ€Trapping Dielectric. Advanced Electronic Materials, 2019, 5, 1800865.	5.1	7
72	Charge Carrier Dynamics and Broad Wavelength Tunable Amplified Spontaneous Emission in Zn <i>_{<i>x</i>}</i> Cd _{1–<i>x</i>} Se Nanowires. Journal of Physical Chemistry Letters, 2019, 10, 7516-7522.	4.6	5

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73	Concurrent Optical Gain Optimization and Electrical Tuning in Novel Oligomer:Polymer Blends with Yellowâ€Green Laser Emission. Advanced Science, 2019, 6, 1801455.	11.2	12
74	Allâ€Inorganic Perovskite Nanocrystalsâ€Based Light Emitting Diodes and Solar Cells. ChemNanoMat, 2019, 5, 266-277.	2.8	18
75	Lasing: Host Exciton Confinement for Enhanced Förster-Transfer-Blend Gain Media Yielding Highly Efficient Yellow-Green Lasers (Adv. Funct. Mater. 17/2018). Advanced Functional Materials, 2018, 28, 1870115.	14.9	1
76	Trapâ€Fillingâ€Induced Charge Carrier Dynamics in Organic Solar Cells. Advanced Optical Materials, 2018, 6, 1800027.	7.3	10
77	Host Exciton Confinement for Enhanced Försterâ€Transferâ€Blend Gain Media Yielding Highly Efficient Yellowâ€Green Lasers. Advanced Functional Materials, 2018, 28, 1705824.	14.9	39
78	Enhanced Exciton and Photon Confinement in Ruddlesden–Popper Perovskite Microplatelets for Highly Stable Lowâ€Threshold Polarized Lasing. Advanced Materials, 2018, 30, e1707235.	21.0	101
79	Efficient recycling of trapped energies for dual-emission in Mn-doped perovskite nanocrystals. Nano Energy, 2018, 51, 704-710.	16.0	54
80	Super air stable quasi-2D organic-inorganic hybrid perovskites for visible light-emitting diodes. Optics Express, 2018, 26, A66.	3.4	46
81	Low Threshold Fabry–Pérot Mode Lasing from Lead Iodide Trapezoidal Nanoplatelets. Small, 2018, 14, e1801938.	10.0	17
82	A High Performance Deep Blue Organic Laser Gain Material. Advanced Optical Materials, 2017, 5, 1601003.	7.3	29
83	Transcending the slow bimolecular recombination in lead-halide perovskites for electroluminescence. Nature Communications, 2017, 8, 14558.	12.8	473
84	Twoâ€Photon Optical Properties in Individual Organic–Inorganic Perovskite Microplates. Advanced Optical Materials, 2017, 5, 1700809.	7.3	33
85	Oriented Nano–Microstructureâ€Assisted Controllable Fabrication of Metal–Organic Framework Membranes onÂNickel Foam. Advanced Materials, 2016, 28, 2374-2381.	21.0	99
86	Deep Blue Laser Gain Medium Based on Triphenylamine Substituted Arylfluorene With Improved Photo-Stability. IEEE Journal of Selected Topics in Quantum Electronics, 2016, 22, 15-20.	2.9	3
87	Fluoreneâ€based rib waveguides with optimized geometry for longâ€ŧerm amplified spontaneous emission stability. Journal of Polymer Science, Part B: Polymer Physics, 2015, 53, 1040-1045.	2.1	5
88	Arylfluorene based universal hosts for solution-processed RGB and white phosphorescent organic light-emitting devices. RSC Advances, 2015, 5, 94077-94083.	3.6	8
89	Photo-induced storage and mask-free arbitrary micro-patterning in solution-processable and simple-structured photochromic organic light-emitting diodes. Organic Electronics, 2015, 26, 476-480.	2.6	12
90	Dimeric SFX host materials for red, green and blue phosphorescent organic light-emitting devices. Synthetic Metals, 2014, 195, 321-327.	3.9	15

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91	Hâ€Shaped Oligofluorenes for Highly Airâ€Stable and Lowâ€Threshold Nonâ€Doped Deep Blue Lasing. Advanced Materials, 2014, 26, 2937-2942.	21.0	57
92	Universal Strategy for Cheap and Colorâ€Stable Singleâ€EML WOLEDs Utilizing Two Complementaryâ€Color Nondoped Emitters without Energy Transfer. Advanced Optical Materials, 2014, 2, 938-944.	7.3	21
93	Ball Robot and the Graphics Generation and its Image Calculation Based on CAD Geometric Model. , 2009, , .		0