Yan-Lin Song

List of Publications by Year
in descending order

320 papers	19,645 citations	6613 79 h-index	15732 125 g-index
328 all docs	328 docs citations	328 times ranked	17947 citing authors

#	Article	IF	Citations
1	Bioinspired molecules design for bilateral synergistic passivation in buried interfaces of planar perovskite solar cells. Nano Research, 2022, 15, 1069-1078.	10.4	52
2	Controllable printing of large-scale compact perovskite films for flexible photodetectors. Nano Research, 2022, 15, 1547-1553.	10.4	30
3	Printable Smart Materials and Devices: Strategies and Applications. Chemical Reviews, 2022, 122, 5144-5164.	47.7	121
4	Flexible transparent electrodes based on metallic microâ€“nano architectures for perovskite solar cells. Journal of Materials Chemistry C, 2022, 10, 2349-2363.	5.5	4
5	Chargeâ€Carrier Transport in Quasiâ€2D Ruddlesdenâ€“Popper Perovskite Solar Cells. Advanced Materials, 2022, 34, e2106822.	21.0	74
6	Suppressing the Step Effect of 3D Printing for Constructing Contact Lenses. Advanced Materials, 2022, 34, e2107249.	21.0	23
7	Flexible and Wearable Optoelectronic Devices Based on Perovskites. Advanced Materials Technologies, 2022, 7, .	5.8	26
8	Bioinspired Quasiâ€3D Multiplexed Antiâ€Counterfeit Imaging via Selfâ€Assembled and Nanoimprinted Photonic Architectures. Advanced Materials, 2022, 34, e2107243.	21.0	70
9	Pen-writing high-quality perovskite films and degradable optoelectronic devices. RSC Advances, 2022, 12, 3924-3930.	3.6	2
10	Intrinsic carbon nanotube liquid crystalline elastomer photoactuators for high-definition biomechanics. Materials Horizons, 2022, 9, 1045-1056.	12.2	40
11	Stabilizing all-inorganic CsPbI₃ perovskite films with polyacrylonitrile for photovoltaic solar cells. Energy Advances, 2022, 1, 62-66.	3.3	4
12	Research Progress on Nano Photonics Technology-based SARS-CoV-2 Detection^{â€»}. Acta Chimica Sinica, 2022, 80, 80.	1.4	2
13	Circular Subwavelength Photodetectors for 3D Space Exploration. Advanced Optical Materials, 2022, 10, .	7.3	7
14	A Coloration Biochip for Optical Virus Detection Based on Printed Single Nanoparticle Array. Advanced Materials Interfaces, 2022, 9, .	3.7	1
15	Two-dimensional perovskites: Impacts of species, components, and properties of organic spacers on solar cells. Nano Today, 2022, 43, 101394.	11.9	58
16	From Structural Design to Functional Construction: Amine Molecules in Highâ€Performance Formamidiniumâ€Based Perovskite Solar Cells. Angewandte Chemie, 2022, 134, .	2.0	17
17	From Structural Design to Functional Construction: Amine Molecules in Highâ€Performance Formamidiniumâ€Based Perovskite Solar Cells. Angewandte Chemie - International Edition, 2022, 61, .	13.8	63
18	Recent Progress in Responsive Structural Color. Journal of Physical Chemistry Letters, 2022, 13, 2885-2900.	4.6	38

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19	Adjustable object floating states based on three-segment three-phase contact line evolution. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2201665119.	7.1	1
20	Negative Refraction Acoustic Lens Based on Elastic Shell Encapsulated Bubbles. Advanced Materials Technologies, 2022, 7, .	5.8	7
21	FAPbI₃ Perovskite Solar Cells: From Film Morphology Regulation to Device Optimization. Solar Rrl, 2022, 6, .	5.8	19
22	Reconfigurable Magnetic Liquid Metal Robot for High-Performance Droplet Manipulation. Nano Letters, 2022, 22, 2923-2933.	9.1	57
23	A Direct Writing Approach for Organic Semiconductor Singleâ€Crystal Patterns with Unique Orientation. Advanced Materials, 2022, 34, e2200928.	21.0	14
24	Flexible substrates enabled highly integrated patterns with submicron precision towardÂintrinsically stretchable circuits. SmartMat, 2022, 3, 503-512.	10.7	6
25	Nonâ€Hookean Droplet Spring for Enhancing Hydropower Harvest. Small, 2022, 18, e2200875.	10.0	7
26	Waterâ€Dispersing Perovskite Probes for the Rapid Imaging of Glioma Cells. Advanced Optical Materials, 2022, 10, .	7.3	8
27	Programming Hydrogels with Complex Transient Behaviors via Autocatalytic Cascade Reactions. ACS Applied Materials & Interfaces, 2022, 14, 20073-20082.	8.0	5
28	Self-assembled 1D nanostructures for direct nanoscale detection and biosensing. Matter, 2022, 5, 1865-1876.	10.0	12
29	Nacre inspired robust self-encapsulating flexible perovskite photodetector. Nano Energy, 2022, 98, 107254.	16.0	17
30	Surface fluoride management for enhanced stability and efficiency of halide perovskite solar cells via a thermal evaporation method. Journal of Materials Chemistry A, 2022, 10, 12882-12889.	10.3	5
31	All-printed nanophotonic biochip for point-of-care testing of biomarkers. Science Bulletin, 2022, 67, 1191-1191.	9.0	1
32	Vacuumâ€Assisted Thermal Annealing of CsPbI₃ for Highly Stable and Efficient Inorganic Perovskite Solar Cells. Angewandte Chemie - International Edition, 2022, 61, .	13.8	37
33	Microâ€Nano Structure Functionalized Perovskite Optoelectronics: From Structure Functionalities to Device Applications. Advanced Functional Materials, 2022, 32, .	14.9	25
34	Cracking enabled unclonability in colloidal crystal patterns authenticated with computer vision. Nanoscale, 2022, 14, 8833-8841.	5.6	18
35	Active Matrix Flexible Sensory Systems: Materials, Design, Fabrication, and Integration. Advanced Intelligent Systems, 2022, 4, .	6.1	9
36	Advanced unconventional techniques for subâ€100â€‰nm nanopatterning. InformaÄnÃ-MateriÃ¡ly, 2022, 4, .	17.3	6

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37	Fabricating flexible conductive structures by printing techniques and printable conductive materials. Journal of Materials Chemistry C, 2022, 10, 9441-9464.	5.5	22
38	All-printed point-of-care immunosensing biochip for one drop blood diagnostics. Lab on A Chip, 2022, 22, 3008-3014.	6.0	7
39	One-Pot Self-Assembly of Dual-Color Domes Using Mono-Sized Silica Nanoparticles. Nano Letters, 2022, 22, 5236-5243.	9.1	4
40	Micellar Ratiometric Fluorescent Blood pH Probe Based on Triplet-Sensitized Upconversion and Energy-Transfer Behaviors. Journal of Physical Chemistry Letters, 2022, 13, 5758-5765.	4.6	10
41	Directional Laser from Solutionâ€Grown Gratingâ€Patterned Perovskite Singleâ€Crystal Microdisks. Angewandte Chemie - International Edition, 2022, 61, .	13.8	5
42	Thermally driven self-healing efficient flexible perovskite solar cells. Nano Energy, 2022, 100, 107523.	16.0	20
43	Toward High Sensitivity: Perspective on Colorimetric Photonic Crystal Sensors. Analytical Chemistry, 2022, 94, 9497-9507.	6.5	19
44	Sustainable Pb Management in Perovskite Solar Cells toward Ecoâ€Friendly Development. Advanced Energy Materials, 2022, 12, .	19.5	38
45	Cementitious grain-boundary passivation for flexible perovskite solar cells with superior environmental stability and mechanical robustness. Science Bulletin, 2021, 66, 527-535.	9.0	54
46	A fluid-guided printing strategy for patterning high refractive index photonic microarrays. Science Bulletin, 2021, 66, 250-256.	9.0	10
47	Controllable excitation-dependent fluorescence triggered by the increasing graphitic nitrogen in carbon dots and its application in multi-analyte detection. Dyes and Pigments, 2021, 184, 108772.	3.7	5
48	Solution-processed electronics for artificial synapses. Materials Horizons, 2021, 8, 447-470.	12.2	74
49	Solution-processed organic semiconductor crystals for field-effect transistors: from crystallization mechanism towards morphology control. Journal of Materials Chemistry C, 2021, 9, 1126-1149.	5.5	37
50	Vapor-Induced Liquid Collection and Microfluidics on Superlyophilic Substrates. ACS Applied Materials & Interfaces, 2021, 13, 3454-3462.	8.0	8
51	Methylamine-assisted secondary grain growth for CH₃NH₃PbI₃ perovskite films with large grains and a highly preferred orientation. Journal of Materials Chemistry A, 2021, 9, 7625-7630.	10.3	12
52	Fabrication of Silver Mesh/Grid and Its Applications in Electronics. ACS Applied Materials & Interfaces, 2021, 13, 3493-3511.	8.0	36
53	Wafer-scale single crystals: crystal growth mechanisms, fabrication methods, and functional applications. Journal of Materials Chemistry C, 2021, 9, 7829-7851.	5.5	11
54	Designable structural coloration by colloidal particle assembly: from nature to artificial manufacturing. IScience, 2021, 24, 102121.	4.1	52

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55	Tautomeric Molecule Acts as a â€œSunscreenâ€•for Metal Halide Perovskite Solar Cells. Angewandte Chemie, 2021, 133, 8755-8759.	2.0	7
56	Tautomeric Molecule Acts as a â€œSunscreenâ€•for Metal Halide Perovskite Solar Cells. Angewandte Chemie - International Edition, 2021, 60, 8673-8677.	13.8	67
57	Precise Droplet Manipulation Based on Surface Heterogeneity. Accounts of Materials Research, 2021, 2, 230-241.	11.7	22
58	RÃ¼cktitelbild: Tautomeric Molecule Acts as a â€œSunscreenâ€•for Metal Halide Perovskite Solar Cells (Angew. Chem. 16/2021). Angewandte Chemie, 2021, 133, 9228-9228.	2.0	0
59	A Diverse Micromorphology of Photonic Crystal Chips for Multianalyte Sensing. Small, 2021, 17, e2006723.	10.0	23
60	Colorful Efficient MoirÃ©â€Perovskite Solar Cells. Advanced Materials, 2021, 33, e2008091.	21.0	37
61	Low-temperature processed tantalum/niobium co-doped TiO₂ electron transport layer for high-performance planar perovskite solar cells. Nanotechnology, 2021, 32, 245201.	2.6	21
62	Mechanically Robust and Flexible Perovskite Solar Cells via a Printable and Gelatinous Interface. ACS Applied Materials & Interfaces, 2021, 13, 19959-19969.	8.0	39
63	Bioinspired Color Switchable Photonic Crystal Silicone Elastomer Kirigami. Angewandte Chemie - International Edition, 2021, 60, 14307-14312.	13.8	66
64	Self-Driven Multiplex Reaction: Reactant and Product Diffusion via a Transpiration-Inspired Capillary. ACS Applied Materials & Interfaces, 2021, 13, 22031-22039.	8.0	3
65	Defect Passivation by a Dâ€“Aâ€“D Type Hole-Transporting Interfacial Layer for Efficient and Stable Perovskite Solar Cells. ACS Energy Letters, 2021, 6, 2030-2037.	17.4	50
66	MoirÃ© Perovskite Photodetector toward Highâ€Sensitive Digital Polarization Imaging. Advanced Energy Materials, 2021, 11, 2100742.	19.5	39
67	Design of Low Bandgap CsPb_{1â^'}_xSn_xI₂Br Perovskite Solar Cells with Excellent Phase Stability. Small, 2021, 17, e2101380.	10.0	42
68	A Bubbleâ€Assisted Approach for Patterning Nanoscale Molecular Aggregates. Angewandte Chemie - International Edition, 2021, 60, 16547-16553.	13.8	14
69	A Bubbleâ€Assisted Approach for Patterning Nanoscale Molecular Aggregates. Angewandte Chemie, 2021, 133, 16683-16689.	2.0	0
70	Releasing Nanocapsules for Highâ€Throughput Printing of Stable Perovskite Solar Cells. Advanced Energy Materials, 2021, 11, 2101291.	19.5	18
71	3D Printing a Biomimetic Bridgeâ€Arch Solar Evaporator for Eliminating Salt Accumulation with Desalination and Agricultural Applications. Advanced Materials, 2021, 33, e2102443.	21.0	172
72	Magnetic-actuated â€œcapillary containerâ€•for versatile three-dimensional fluid interface manipulation. Science Advances, 2021, 7, .	10.3	19

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73	Printed Nanochainâ€Based Colorimetric Assay for Quantitative Virus Detection. Angewandte Chemie, 2021, 133, 24436-24442.	2.0	7
74	Selfâ€Driven Droplet Vehicle for Material Patterning. Advanced Materials Interfaces, 2021, 8, 2101309.	3.7	5
75	Printed Nanochainâ€Based Colorimetric Assay for Quantitative Virus Detection. Angewandte Chemie - International Edition, 2021, 60, 24234-24240.	13.8	26
76	Facile full-color printing with a single transparent ink. Science Advances, 2021, 7, eabh1992.	10.3	72
77	Marangoni Flow Manipulated Concentric Assembly of Cellulose Nanocrystals. Small Methods, 2021, 5, e2100690.	8.6	15
78	Tunable Fluid-Type Metasurface for Wide-Angle and Multifrequency Water-Air Acoustic Transmission. Research, 2021, 2021, 9757943.	5.7	13
79	Highly efficient and stable inorganic CsPbBr3 perovskite solar cells via vacuum co-evaporation. Applied Surface Science, 2021, 562, 150153.	6.1	26
80	Embossed transparent electrodes assembled by bubble templates for efficient flexible perovskite solar cells. Nano Energy, 2021, 89, 106384.	16.0	28
81	From colloidal particles to photonic crystals: advances in self-assembly and their emerging applications. Chemical Society Reviews, 2021, 50, 5898-5951.	38.1	232
82	Luminescence Ratiometric Nanothermometry Regulated by Tailoring Annihilators of Tripletâ€Triplet Annihilation Upconversion Nanomicelles. Angewandte Chemie, 2021, 133, 26929.	2.0	0
83	Inkjet Printed Physicallyâ€Unclonable Structuralâ€Color Anticounterfeiting Labels with Convenient Artificial Intelligence Authentication. Advanced Materials Interfaces, 2021, 8, 2101281.	3.7	27
84	Luminescence Ratiometric Nanothermometry Regulated by Tailoring Annihilators of Tripletâ€“Triplet Annihilation Upconversion Nanomicelles. Angewandte Chemie - International Edition, 2021, 60, 26725-26733.	13.8	29
85	Lotus Metasurface for Wide-Angle Intermediate-Frequency Waterâ€“Air Acoustic Transmission. ACS Applied Materials & Interfaces, 2021, 13, 53242-53251.	8.0	15
86	Tunning Intermolecular Interaction of Peptide-Conjugated AIEgen in Nano-Confined Space for Quantitative Detection of Tumor Marker Secreted from Cells. Analytical Chemistry, 2021, 93, 16257-16263.	6.5	19
87	Breaking the symmetry to suppress the Plateauâ€“Rayleigh instability and optimize hydropower utilization. Nature Communications, 2021, 12, 6899.	12.8	32
88	Patterned macro-/microstructures based on colloidal droplets evaporation. , 2021, , .		0
89	Vapor-induced marangoni coating for organic functional films. Journal of Materials Chemistry C, 2021, 9, 17518-17525.	5.5	9
90	Skin-Driven Ultrasensitive Mechanoluminescence Sensor Inspired by Spider Leg Joint Slits. ACS Applied Materials & Interfaces, 2021, 13, 60689-60696.	8.0	12

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91	Implementing Contact Angle Hysteresis in Moving Mesh-Based Two-Phase Flow Numerical Simulations. ACS Omega, 2021, 6, 35711-35717.	3.5	3
92	Bioinspired Patterned Bubbles for Broad and Low-Frequency Acoustic Blocking. ACS Applied Materials & Interfaces, 2020, 12, 1757-1764.	8.0	35
93	Efficient flexible perovskite solar cells based on a polymer additive. Flexible and Printed Electronics, 2020, 5, 014001.	2.7	25
94	Crack-free hematite inverse opal photo-anodes for enhancing photo-electrochemical water splitting. Journal of Materials Chemistry A, 2020, 8, 22929-22937.	10.3	25
95	Recognition and location of motile microorganisms by shape-matching photoluminescence micropatterns. Lab on A Chip, 2020, 20, 2975-2980.	6.0	0
96	Patterning a Superhydrophobic Area on a Facile Fabricated Superhydrophilic Layer Based on an Inkjet-Printed Water-Soluble Polymer Template. Langmuir, 2020, 36, 9952-9959.	3.5	28
97	Heterogeneous Wettability Surfaces: Principle, Construction, and Applications. Small Structures, 2020, 1, 2000028.	12.0	39
98	Interfacial modification towards highly efficient and stable perovskite solar cells. Nanoscale, 2020, 12, 18563-18575.	5.6	34
99	Inhibited-nanophase-separation modulated polymerization for recoverable ultrahigh-strain biobased shape memory polymers. Materials Horizons, 2020, 7, 2760-2767.	12.2	10
100	Efficiently Enhanced Tripletâ€“Triplet Annihilation Upconversion Boosted by Multibandgaps Photonic Crystals. Journal of Physical Chemistry C, 2020, 124, 18482-18489.	3.1	7
101	Ink Engineering of Inkjet Printing Perovskite. ACS Applied Materials & Interfaces, 2020, 12, 39082-39091.	8.0	85
102	Dynamic investigation of gas-releasing chemical reactions through a photonic crystal. Journal of Materials Chemistry C, 2020, 8, 12800-12805.	5.5	6
103	Evaporation Induced Spontaneous Microâ€Vortexes through Engineering of the Marangoni Flow. Angewandte Chemie, 2020, 132, 23892-23897.	2.0	1
104	Frontispiz: Nonâ€Lithography Hydrodynamic Printing of Micro/Nanostructures on Curved Surfaces. Angewandte Chemie, 2020, 132, .	2.0	0
105	Continuous 3D printing from one single droplet. Nature Communications, 2020, 11, 4685.	12.8	47
106	Evaporation Induced Spontaneous Microâ€Vortexes through Engineering of the Marangoni Flow. Angewandte Chemie - International Edition, 2020, 59, 23684-23689.	13.8	16
107	In Situ Deposition of CuBiS₂ on Mesoporous TiO₂ Film for Light Absorber in Solar Cells. Journal of Nanoscience and Nanotechnology, 2020, 20, 7748-7752.	0.9	1
108	Frontispiece: Nonâ€Lithography Hydrodynamic Printing of Micro/Nanostructures on Curved Surfaces. Angewandte Chemie - International Edition, 2020, 59, .	13.8	0

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109	Methylamine-assisted growth of uniaxial-oriented perovskite thin films with millimeter-sized grains. Nature Communications, 2020, 11, 5402.	12.8	71
110	Printed Highâ€Density and Flexible Photodetector Arrays via Sizeâ€matched Heterogeneous Microâ€/Nanostructure. Advanced Optical Materials, 2020, 8, 2000370.	7.3	9
111	Ring-Patterned Perovskite Single Crystals Fabricated by the Combination of Rigid and Flexible Templates. ACS Applied Materials & Interfaces, 2020, 12, 27786-27793.	8.0	3
112	Bio-inspired vertebral design for scalable and flexible perovskite solar cells. Nature Communications, 2020, 11, 3016.	12.8	173
113	Nonâ€Lithography Hydrodynamic Printing of Micro/Nanostructures on Curved Surfaces. Angewandte Chemie - International Edition, 2020, 59, 14234-14240.	13.8	17
114	Nonâ€Lithography Hydrodynamic Printing of Micro/Nanostructures on Curved Surfaces. Angewandte Chemie, 2020, 132, 14340-14346.	2.0	0
115	RÃ¼cktitelbild: Droplet Precise Selfâ€Splitting on Patterned Adhesive Surfaces for Simultaneous Multidetection (Angew. Chem. 26/2020). Angewandte Chemie, 2020, 132, 10754-10754.	2.0	0
116	Inkjet Printing of a Micro/Nanopatterned Surface to Serve as Microreactor Arrays. ACS Applied Materials & Interfaces, 2020, 12, 30962-30971.	8.0	16
117	Controllable Growth of Highâ€Quality Inorganic Perovskite Microplate Arrays for Functional Optoelectronics. Advanced Materials, 2020, 32, e1908006.	21.0	66
118	Controlled 3D nanoparticle deposition by drying of colloidal suspension in designed thin micro-porous architectures. International Journal of Heat and Mass Transfer, 2020, 158, 120000.	4.8	23
119	Lowâ€Dimensional Dionâ€“Jacobsonâ€Phase Leadâ€Free Perovskites for Highâ€Performance Photovoltaics with Improved Stability. Angewandte Chemie - International Edition, 2020, 59, 6909-6914.	13.8	123
120	Controlling the film structure by regulating 2D Ruddlesdenâ€“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
121	Omnidirectional Photodetectors Based on Spatial Resonance Asymmetric Facade via a 3D Selfâ€Standing Strategy. Advanced Materials, 2020, 32, e1907280.	21.0	14
122	Programmable droplet manipulation by a magnetic-actuated robot. Science Advances, 2020, 6, eaay5808.	10.3	160
123	Low-temperature interfacial engineering for flexible CsPbI₂Br perovskite solar cells with high performance beyond 15%. Journal of Materials Chemistry A, 2020, 8, 5308-5314.	10.3	40
124	Droplet Precise Selfâ€Splitting on Patterned Adhesive Surfaces for Simultaneous Multidetection. Angewandte Chemie, 2020, 132, 10622-10626.	2.0	5
125	Droplet Precise Selfâ€Splitting on Patterned Adhesive Surfaces for Simultaneous Multidetection. Angewandte Chemie - International Edition, 2020, 59, 10535-10539.	13.8	65
126	From 1D to 3D: Fabrication of CH 3 NH 3 PbI 3 Perovskite Solar Cell Thin Films from (Pyrrolidinium)PbI 3 via Organic Cation Exchange Approach. Energy Technology, 2020, 8, 2000148.	3.8	4

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127	Fabricating High-Resolution Metal Pattern with Inkjet Printed Water-Soluble Sacrificial Layer. ACS Applied Materials & Interfaces, 2020, 12, 22108-22114.	8.0	37
128	In Situ Inkjet Printing of the Perovskite Single-Crystal Array-Embedded Polydimethylsiloxane Film for Wearable Light-Emitting Devices. ACS Applied Materials & Interfaces, 2020, 12, 22157-22162.	8.0	53
129	Highly efficient three-dimensional solar evaporator for high salinity desalination by localized crystallization. Nature Communications, 2020, 11, 521.	12.8	348
130	Controlled diffusion of nanoparticles by viscosity gradient for photonic crystal with dual photonic band gaps. Nanotechnology, 2020, 31, 435604.	2.6	6
131	Graphene: Diversified Flexible 2D Material for Wearable Vital Signs Monitoring. Advanced Materials Technologies, 2019, 4, 1800574.	5.8	67
132	A Butterflyâ€Inspired Hierarchical Lightâ€Trapping Structure towards a Highâ€Performance Polarizationâ€Sensitive Perovskite Photodetector. Angewandte Chemie - International Edition, 2019, 58, 16456-16462.	13.8	67
133	All-printed 3D hierarchically structured cellulose aerogel based triboelectric nanogenerator for multi-functional sensors. Nano Energy, 2019, 63, 103885.	16.0	176
134	A facile fabrication strategy for anisotropic photonic crystals using deformable spherical nanoparticles. Nanoscale, 2019, 11, 14147-14154.	5.6	17
135	Lowâ€Dimensional Perovskites with Diammonium and Monoammonium Alternant Cations for Highâ€Performance Photovoltaics. Advanced Materials, 2019, 31, e1901966.	21.0	96
136	Waterâ€Resistant and Flexible Perovskite Solar Cells via a Glued Interfacial Layer. Advanced Functional Materials, 2019, 29, 1902629.	14.9	89
137	A Mechanically Robust Conducting Polymer Network Electrode for Efficient Flexible Perovskite Solar Cells. Joule, 2019, 3, 2205-2218.	24.0	175
138	Steerable Droplet Bouncing for Precise Materials Transportation. Advanced Materials Interfaces, 2019, 6, 1901033.	3.7	35
139	Bubble Architectures for Locally Resonant Acoustic Metamaterials. Advanced Functional Materials, 2019, 29, 1906984.	14.9	56
140	A Butterflyâ€Inspired Hierarchical Lightâ€Trapping Structure towards a Highâ€Performance Polarizationâ€Sensitive Perovskite Photodetector. Angewandte Chemie, 2019, 131, 16608-16614.	2.0	26
141	Nacre-inspired crystallization and elastic â€œbrick-and-mortarâ€•structure for a wearable perovskite solar module. Energy and Environmental Science, 2019, 12, 979-987.	30.8	114
142	Patterned Wettability Surface for Competitionâ€Driving Largeâ€Grained Perovskite Solar Cells. Advanced Energy Materials, 2019, 9, 1900838.	19.5	44
143	A General Layerâ€byâ€Layer Printing Method for Scalable Highâ€Resolution Fullâ€Color Flexible Luminescent Patterns. Advanced Optical Materials, 2019, 7, 1900127.	7.3	13
144	Patterned flexible graphene sensor via printing and interface assembly. Journal of Materials Chemistry C, 2019, 7, 6317-6322.	5.5	11

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145	Improved film morphology of (CH3NH3)3Bi2I9 via cation displacement approach for lead-free perovskite solar cells. Journal of Materials Science, 2019, 54, 10371-10378.	3.7	10
146	A green solvent for operating highly efficient low-power photon upconversion in air. Physical Chemistry Chemical Physics, 2019, 21, 14516-14520.	2.8	18
147	Spontaneous droplets gyrating via asymmetric self-splitting on heterogeneous surfaces. Nature Communications, 2019, 10, 950.	12.8	135
148	Domino Patterning of Water and Oil Induced by Emulsion Breaking. ACS Applied Materials & Interfaces, 2019, 11, 17960-17967.	8.0	1
149	Fully Printed Flexible Crossbar Memory Devices with Tipâ€Enhanced Micro/Nanostructures. Advanced Electronic Materials, 2019, 5, 1900131.	5.1	8
150	Wearable Power Source: A Newfangled Feasibility for Perovskite Photovoltaics. ACS Energy Letters, 2019, 4, 1065-1072.	17.4	45
151	Fully Printed Geranium-Inspired Encapsulated Arrays for Quantitative Odor Releasing. ACS Omega, 2019, 4, 19977-19982.	3.5	4
152	Multi-mode structural-color anti-counterfeiting labels based on physically unclonable amorphous photonic structures with convenient artificial intelligence authentication. Journal of Materials Chemistry C, 2019, 7, 14069-14074.	5.5	88
153	A stimuli responsive tripletâ€“triplet annihilation upconversion system and its application as a ratiometric sensor for Fe³⁺ions. RSC Advances, 2019, 9, 36410-36415.	3.6	19
154	Progress of electrically responsive photonic crystals. Composites Communications, 2019, 12, 47-53.	6.3	24
155	Dopamine-crosslinked TiO2/perovskite layer for efficient and photostable perovskite solar cells under full spectral continuous illumination. Nano Energy, 2019, 56, 733-740.	16.0	201
156	Heterogeneous Integration of Three-Primary-Color Photoluminescent Nanoparticle Arrays with Defined Interfaces. ACS Applied Materials & Interfaces, 2019, 11, 1616-1623.	8.0	12
157	Recent Advances in Multicomponent Particle Assembly. Chemistry - A European Journal, 2018, 24, 16196-16208.	3.3	11
158	Bioinspired Micropatterned Superhydrophilic Auâ€Areoles for Surfaceâ€Enhanced Raman Scattering (SERS) Trace Detection. Advanced Functional Materials, 2018, 28, 1800448.	14.9	87
159	Printing 1D Assembly Array of Single Particle Resolution for Magnetosensing. Small, 2018, 14, e1800117.	10.0	26
160	Spider-web inspired multi-resolution graphene tactile sensor. Chemical Communications, 2018, 54, 4810-4813.	4.1	29
161	Inkjet manipulated homogeneous large size perovskite grains for efficient and large-area perovskite solar cells. Nano Energy, 2018, 46, 203-211.	16.0	155
162	A Selfâ€Growing Strategy for Largeâ€Scale Crystal Assembly Tubes. Chemistry - an Asian Journal, 2018, 13, 761-764.	3.3	2

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163	Oneâ€Step Inkjet Printed Perovskite in Air for Efficient Light Harvesting. Solar Rrl, 2018, 2, 1700217.	5.8	90
164	Diffractionâ€Grated Perovskite Induced Highly Efficient Solar Cells through Nanophotonic Light Trapping. Advanced Energy Materials, 2018, 8, 1702960.	19.5	119
165	Designing Laplace Pressure Pattern for Microdroplet Manipulation. Langmuir, 2018, 34, 639-645.	3.5	13
166	Programmed Coassembly of One-Dimensional Binary Superstructures by Liquid Soft Confinement. Journal of the American Chemical Society, 2018, 140, 18-21.	13.7	34
167	Printable Skinâ€Driven Mechanoluminescence Devices via Nanodoped Matrix Modification. Advanced Materials, 2018, 30, e1800291.	21.0	178
168	Patterned Arrays of Functional Lateral Heterostructures via Sequential Templateâ€Directed Printing. Small, 2018, 14, e1800792.	10.0	8
169	Inkjet printing bendable circuits based on an oil-water interface reaction. Applied Surface Science, 2018, 445, 391-397.	6.1	43
170	Strong Photonicâ€Bandâ€Gap Effect on the Spontaneous Emission in 3D Lead Halide Perovskite Photonic Crystals. ChemPhysChem, 2018, 19, 2101-2106.	2.1	12
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