

Yan-Lin Song

List of Publications by Year in descending order

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320
papers

19,645
citations

6592

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16127

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all docs

328
docs citations

328
times ranked

17947
citing authors

#	ARTICLE	IF	CITATIONS
1	Applications of Bio-Inspired Special Wettable Surfaces. <i>Advanced Materials</i> , 2011, 23, 719-734.	11.1	961
2	Inkjet printing wearable electronic devices. <i>Journal of Materials Chemistry C</i> , 2017, 5, 2971-2993.	2.7	415
3	Patterned Colloidal Photonic Crystals. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 2544-2553.	7.2	413
4	Controllable Printing Droplets for High-Resolution Patterns. <i>Advanced Materials</i> , 2014, 26, 6950-6958.	11.1	371
5	Highly efficient three-dimensional solar evaporator for high salinity desalination by localized crystallization. <i>Nature Communications</i> , 2020, 11, 521.	5.8	348
6	Colorful humidity sensitive photonic crystal hydrogel. <i>Journal of Materials Chemistry</i> , 2008, 18, 1116.	6.7	321
7	Patterning of controllable surface wettability for printing techniques. <i>Chemical Society Reviews</i> , 2013, 42, 5184.	18.7	299
8	Bio-Inspired Photonic Crystal Microchip for Fluorescent Ultratrace Detection. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 5791-5795.	7.2	253
9	Phase Pure 2D Perovskite for High-Performance 2D-3D Heterostructured Perovskite Solar Cells. <i>Advanced Materials</i> , 2018, 30, e1805323.	11.1	244
10	Simple Fabrication of Full Color Colloidal Crystal Films with Tough Mechanical Strength. <i>Macromolecular Chemistry and Physics</i> , 2006, 207, 596-604.	1.1	232
11	From colloidal particles to photonic crystals: advances in self-assembly and their emerging applications. <i>Chemical Society Reviews</i> , 2021, 50, 5898-5951.	18.7	232
12	Inkjet Printing Patterned Photonic Crystal Domes for Wide Viewing-Angle Displays by Controlling the Sliding Three Phase Contact Line. <i>Advanced Optical Materials</i> , 2014, 2, 34-38.	3.6	221
13	Bioinspired Colloidal Photonic Crystals with Controllable Wettability. <i>Accounts of Chemical Research</i> , 2011, 44, 405-415.	7.6	219
14	Colloidal Photonic Crystals with Narrow Stopbands Assembled from Low-Adhesive Superhydrophobic Substrates. <i>Journal of the American Chemical Society</i> , 2012, 134, 17053-17058.	6.6	215
15	Recent Advances in Controlling the Depositing Morphologies of Inkjet Droplets. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 28086-28099.	4.0	210
16	Inkjet printing of $\text{CH}_3\text{NH}_3\text{PbI}_3$ on a mesoscopic TiO_2 film for highly efficient perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2015, 3, 9092-9097.	5.2	210
17	Dopamine-crosslinked TiO_2 /perovskite layer for efficient and photostable perovskite solar cells under full spectral continuous illumination. <i>Nano Energy</i> , 2019, 56, 733-740.	8.2	201
18	Controlled Inkjetting of a Conductive Pattern of Silver Nanoparticles Based on the Coffee-Ring Effect. <i>Advanced Materials</i> , 2013, 25, 6714-6718.	11.1	200

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19	Graphene Oxide Restricts Growth and Recrystallization of Ice Crystals. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 997-1001.	7.2	186
20	Printable Skin-Driven Mechanoluminescence Devices via Nanodoped Matrix Modification. <i>Advanced Materials</i> , 2018, 30, e1800291.	11.1	178
21	Hydrophilic-Hydrophobic Patterned Molecularly Imprinted Photonic Crystal Sensors for High-Sensitive Colorimetric Detection of Tetracycline. <i>Small</i> , 2015, 11, 2738-2742.	5.2	176
22	All-printed 3D hierarchically structured cellulose aerogel based triboelectric nanogenerator for multi-functional sensors. <i>Nano Energy</i> , 2019, 63, 103885.	8.2	176
23	A Mechanically Robust Conducting Polymer Network Electrode for Efficient Flexible Perovskite Solar Cells. <i>Joule</i> , 2019, 3, 2205-2218.	11.7	175
24	Bio-inspired vertebral design for scalable and flexible perovskite solar cells. <i>Nature Communications</i> , 2020, 11, 3016.	5.8	173
25	Fabrication of Transparent Multilayer Circuits by Inkjet Printing. <i>Advanced Materials</i> , 2016, 28, 1420-1426.	11.1	172
26	3D Printing a Biomimetic Bridge-Arch Solar Evaporator for Eliminating Salt Accumulation with Desalination and Agricultural Applications. <i>Advanced Materials</i> , 2021, 33, e2102443.	11.1	172
27	Recent advances in colloidal photonic crystal sensors: Materials, structures and analysis methods. <i>Nano Today</i> , 2018, 22, 132-144.	6.2	170
28	Synthesis of monodisperse silver nanoparticles for ink-jet printed flexible electronics. <i>Nanotechnology</i> , 2011, 22, 425601.	1.3	163
29	Rate-dependent interface capture beyond the coffee-ring effect. <i>Scientific Reports</i> , 2016, 6, 24628.	1.6	161
30	Ultrasensitive DNA Detection Using Photonic Crystals. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 7258-7262.	7.2	160
31	Programmable droplet manipulation by a magnetic-actuated robot. <i>Science Advances</i> , 2020, 6, eaay5808.	4.7	160
32	Printing Patterned Fine 3D Structures by Manipulating the Three Phase Contact Line. <i>Advanced Functional Materials</i> , 2015, 25, 2237-2242.	7.8	157
33	Inkjet manipulated homogeneous large size perovskite grains for efficient and large-area perovskite solar cells. <i>Nano Energy</i> , 2018, 46, 203-211.	8.2	155
34	Nanoparticle Based Curve Arrays for Multirecognition Flexible Electronics. <i>Advanced Materials</i> , 2016, 28, 1369-1374.	11.1	153
35	Wearable Large-Scale Perovskite Solar-Power Source via Nanocellular Scaffold. <i>Advanced Materials</i> , 2017, 29, 1703236.	11.1	152
36	A general printing approach for scalable growth of perovskite single-crystal films. <i>Science Advances</i> , 2018, 4, eaat2390.	4.7	150

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37	A Multi-band Photonic Crystal Microchip for High-Performance Metal Ion Recognition Based on Fluorescent Detection. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 7296-7299.	7.2	146
38	Enhancement of photochemical hydrogen evolution over Pt-loaded hierarchical titania photonic crystal. <i>Energy and Environmental Science</i> , 2010, 3, 1503.	15.6	139
39	A Rainbow Structural Color Chip for Multisaccharide Recognition. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 6911-6914.	7.2	138
40	Highly Brilliant Noniridescent Structural Colors Enabled by Graphene Nanosheets Containing Graphene Quantum Dots. <i>Advanced Functional Materials</i> , 2018, 28, 1802585.	7.8	137
41	Guided Self-Propelled Leaping of Droplets on a Micro-Anisotropic Superhydrophobic Surface. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 4265-4269.	7.2	135
42	Spontaneous droplets gyrating via asymmetric self-splitting on heterogeneous surfaces. <i>Nature Communications</i> , 2019, 10, 950.	5.8	135
43	Self-Healable Organogel Nanocomposite with Angle-Independent Structural Colors. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 10462-10466.	7.2	131
44	Hierarchical Porous Surface for Efficiently Controlling Microdroplets' Self-Removal. <i>Advanced Materials</i> , 2013, 25, 2291-2295.	11.1	126
45	Low-Dimensional Dion-Jacobson Phase Lead-Free Perovskites for High-Performance Photovoltaics with Improved Stability. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 6909-6914.	7.2	123
46	Photochromic sensors: a versatile approach for recognition and discrimination. <i>Journal of Materials Chemistry C</i> , 2015, 3, 9265-9275.	2.7	122
47	Printable Smart Materials and Devices: Strategies and Applications. <i>Chemical Reviews</i> , 2022, 122, 5144-5164.	23.0	121
48	Photovoltaics Based on Hybridization of Effective Dye-Sensitized Titanium Oxide and Hole-Conductive Polymer P3HT. <i>Advanced Functional Materials</i> , 2009, 19, 2481-2485.	7.8	120
49	Diffraction-Grated Perovskite Induced Highly Efficient Solar Cells through Nanophotonic Light Trapping. <i>Advanced Energy Materials</i> , 2018, 8, 1702960.	10.2	119
50	Patterning Fluorescent Quantum Dot Nanocomposites by Reactive Inkjet Printing. <i>Small</i> , 2015, 11, 1649-1654.	5.2	117
51	Direct-Writing Multifunctional Perovskite Single Crystal Arrays by Inkjet Printing. <i>Small</i> , 2017, 13, 1603217.	5.2	117
52	Printing assembly and structural regulation of graphene towards three-dimensional flexible micro-supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017, 5, 16281-16288.	5.2	116
53	Nacre-inspired crystallization and elastic brick-and-mortar structure for a wearable perovskite solar module. <i>Energy and Environmental Science</i> , 2019, 12, 979-987.	15.6	114
54	Superoleophilic and Superhydrophobic Inverse Opals for Oil Sensors. <i>Advanced Functional Materials</i> , 2008, 18, 3258-3264.	7.8	113

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55	Ultra-Fast Fabrication of Colloidal Photonic Crystals by Spray Coating. <i>Macromolecular Rapid Communications</i> , 2009, 30, 598-603.	2.0	112
56	Fabrication of Nanoscale Circuits on Inkjet-Printing Patterned Substrates. <i>Advanced Materials</i> , 2015, 27, 3928-3933.	11.1	112
57	Flexible Circuits and Soft Actuators by Printing Assembly of Graphene. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 12369-12376.	4.0	104
58	A Light-Responsive Release Platform by Controlling the Wetting Behavior of Hydrophobic Surface. <i>ACS Nano</i> , 2014, 8, 744-751.	7.3	102
59	A general patterning approach by manipulating the evolution of two-dimensional liquid foams. <i>Nature Communications</i> , 2017, 8, 14110.	5.8	99
60	Electrically Tunable Polypyrrole Inverse Opals with Switchable Stopband, Conductivity, and Wettability. <i>Chemistry of Materials</i> , 2008, 20, 3554-3556.	3.2	97
61	Patterned photonic crystals fabricated by inkjet printing. <i>Journal of Materials Chemistry C</i> , 2013, 1, 6048.	2.7	97
62	Controllable Underwater Oil-Adhesion-Interface Films Assembled from Nonspherical Particles. <i>Advanced Functional Materials</i> , 2011, 21, 4436-4441.	7.8	96
63	Low-Dimensional Perovskites with Diammonium and Monoammonium Alternant Cations for High-Performance Photovoltaics. <i>Advanced Materials</i> , 2019, 31, e1901966.	11.1	96
64	Direct-writing colloidal photonic crystal microfluidic chips by inkjet printing for label-free protein detection. <i>Lab on A Chip</i> , 2012, 12, 3089.	3.1	95
65	Splitting a Droplet for Femtoliter Liquid Patterns and Single Cell Isolation. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 9060-9065.	4.0	95
66	A General Strategy for Assembling Nanoparticles in One Dimension. <i>Advanced Materials</i> , 2014, 26, 2501-2507.	11.1	93
67	Amplification of Fluorescent Contrast by Photonic Crystals in Optical Storage. <i>Advanced Materials</i> , 2010, 22, 1237-1241.	11.1	91
68	One-Step Inkjet Printed Perovskite in Air for Efficient Light Harvesting. <i>Solar Rrl</i> , 2018, 2, 1700217.	3.1	90
69	Inkjet printed colloidal photonic crystal microdot with fast response induced by hydrophobic transition of poly(N-isopropyl acrylamide). <i>Journal of Materials Chemistry</i> , 2012, 22, 21405.	6.7	89
70	Patterned photonic crystals for hiding information. <i>Journal of Materials Chemistry C</i> , 2017, 5, 4621-4628.	2.7	89
71	Water-Resistant and Flexible Perovskite Solar Cells via a Glued Interfacial Layer. <i>Advanced Functional Materials</i> , 2019, 29, 1902629.	7.8	89
72	Multi-mode structural-color anti-counterfeiting labels based on physically unclonable amorphous photonic structures with convenient artificial intelligence authentication. <i>Journal of Materials Chemistry C</i> , 2019, 7, 14069-14074.	2.7	88

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73	Control over the Wettability of Colloidal Crystal Films by Assembly Temperature. <i>Macromolecular Rapid Communications</i> , 2006, 27, 188-192.	2.0	87
74	Elaborate Positioning of Nanowire Arrays Contributed by Highly Adhesive Superhydrophobic Pillar-Structured Substrates. <i>Advanced Materials</i> , 2012, 24, 559-564.	11.1	87
75	Bioinspired Micropatterned Superhydrophilic Au-Areoles for Surface-Enhanced Raman Scattering (SERS) Trace Detection. <i>Advanced Functional Materials</i> , 2018, 28, 1800448.	7.8	87
76	Solid-state fluorescence enhancement of organic dyes by photonic crystals. <i>Journal of Materials Chemistry</i> , 2007, 17, 90-94.	6.7	85
77	Ink Engineering of Inkjet Printing Perovskite. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 39082-39091.	4.0	85
78	Emerging Progress of Inkjet Technology in Printing Optical Materials. <i>Advanced Optical Materials</i> , 2016, 4, 1915-1932.	3.6	84
79	Direct Conversion of CH ₃ NH ₃ PbI ₃ from Electrodeposited PbO for Highly Efficient Planar Perovskite Solar Cells. <i>Scientific Reports</i> , 2015, 5, 15889.	1.6	83
80	Healable green hydrogen bonded networks for circuit repair, wearable sensor and flexible electronic devices. <i>Journal of Materials Chemistry A</i> , 2017, 5, 13138-13144.	5.2	83
81	Highly reproducible SERS arrays directly written by inkjet printing. <i>Nanoscale</i> , 2015, 7, 421-425.	2.8	81
82	Three-dimensional multi-recognition flexible wearable sensor via graphene aerogel printing. <i>Chemical Communications</i> , 2016, 52, 10948-10951.	2.2	81
83	Small Molecular Nanowire Arrays Assisted by Superhydrophobic Pillar-Structured Surfaces with High Adhesion. <i>Advanced Materials</i> , 2012, 24, 2780-2785.	11.1	76
84	Light-Driven ATP Transmembrane Transport Controlled by DNA Nanomachines. <i>Journal of the American Chemical Society</i> , 2018, 140, 16048-16052.	6.6	76
85	Large-area crack-free single-crystal photonic crystals via combined effects of polymerization-assisted assembly and flexible substrate. <i>NPG Asia Materials</i> , 2012, 4, e21-e21.	3.8	74
86	Solution-processed electronics for artificial synapses. <i>Materials Horizons</i> , 2021, 8, 447-470.	6.4	74
87	Charge-Carrier Transport in Quasi-2D Ruddlesden-Popper Perovskite Solar Cells. <i>Advanced Materials</i> , 2022, 34, e2106822.	11.1	74
88	Hydrogen-Bonding-Driven Wettability Change of Colloidal Crystal Films: From Superhydrophobicity to Superhydrophilicity. <i>Chemistry of Materials</i> , 2006, 18, 4984-4986.	3.2	73
89	Inkjet Printing Controllable Footprint Lines by Regulating the Dynamic Wettability of Coalescing Ink Droplets. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 13344-13348.	4.0	73
90	Fabrication of Patterned Concave Microstructures by Inkjet Imprinting. <i>Advanced Functional Materials</i> , 2015, 25, 3286-3294.	7.8	73

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91	Four-Dimensional Screening Anti-Counterfeiting Pattern by Inkjet Printed Photonic Crystals. Chemistry - an Asian Journal, 2016, 11, 2680-2685.	1.7	72
92	Facile full-color printing with a single transparent ink. Science Advances, 2021, 7, eabh1992.	4.7	72
93	Methylamine-assisted growth of uniaxial-oriented perovskite thin films with millimeter-sized grains. Nature Communications, 2020, 11, 5402.	5.8	71
94	Bioinspired Quasi-3D Multiplexed Anti-Counterfeit Imaging via Self-Assembled and Nanoimprinted Photonic Architectures. Advanced Materials, 2022, 34, e2107243.	11.1	70
95	Electronic Textile by Dyeing Method for Multiresolution Physical Kinases Monitoring. Advanced Electronic Materials, 2017, 3, 1700253.	2.6	69
96	Fabrication of functional colloidal photonic crystals based on well-designed latex particles. Journal of Materials Chemistry, 2011, 21, 14113.	6.7	67
97	Graphene: Diversified Flexible 2D Material for Wearable Vital Signs Monitoring. Advanced Materials Technologies, 2019, 4, 1800574.	3.0	67
98	A Butterfly-Inspired Hierarchical Light-Trapping Structure towards a High-Performance Polarization-Sensitive Perovskite Photodetector. Angewandte Chemie - International Edition, 2019, 58, 16456-16462.	7.2	67
99	Tautomeric Molecule Acts as a "Sunscreen" for Metal Halide Perovskite Solar Cells. Angewandte Chemie - International Edition, 2021, 60, 8673-8677.	7.2	67
100	Hierarchical TiO ₂ photonic crystal spheres prepared by spray drying for highly efficient photocatalysis. Journal of Materials Chemistry A, 2013, 1, 541-547.	5.2	66
101	Controllable Growth of High-Quality Inorganic Perovskite Microplate Arrays for Functional Optoelectronics. Advanced Materials, 2020, 32, e1908006.	11.1	66
102	Bioinspired Color Switchable Photonic Crystal Silicone Elastomer Kirigami. Angewandte Chemie - International Edition, 2021, 60, 14307-14312.	7.2	66
103	Droplet Precise Self-Splitting on Patterned Adhesive Surfaces for Simultaneous Multidetector. Angewandte Chemie - International Edition, 2020, 59, 10535-10539.	7.2	65
104	From Structural Design to Functional Construction: Amine Molecules in High-Performance Formamidinium-Based Perovskite Solar Cells. Angewandte Chemie - International Edition, 2022, 61, .	7.2	63
105	Inkjet-printed highly conductive transparent patterns with water based Ag-doped graphene. Journal of Materials Chemistry A, 2014, 2, 19095-19101.	5.2	62
106	Utilizing superhydrophilic materials to manipulate oil droplets arbitrarily in water. Soft Matter, 2011, 7, 5144.	1.2	61
107	"Clinging" Microdroplet Patterning Upon High-Adhesion, Pillar-Structured Silicon Substrates. Advanced Functional Materials, 2011, 21, 3297-3307.	7.8	61
108	Highly effective protein detection for avidin-biotin system based on colloidal photonic crystals enhanced fluoroimmunoassay. Biosensors and Bioelectronics, 2011, 26, 2165-2170.	5.3	60

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109	Two-dimensional perovskites: Impacts of species, components, and properties of organic spacers on solar cells. <i>Nano Today</i> , 2022, 43, 101394.	6.2	58
110	Reconfigurable Magnetic Liquid Metal Robot for High-Performance Droplet Manipulation. <i>Nano Letters</i> , 2022, 22, 2923-2933.	4.5	57
111	Bubble Architectures for Locally Resonant Acoustic Metamaterials. <i>Advanced Functional Materials</i> , 2019, 29, 1906984.	7.8	56
112	Cementitious grain-boundary passivation for flexible perovskite solar cells with superior environmental stability and mechanical robustness. <i>Science Bulletin</i> , 2021, 66, 527-535.	4.3	54
113	Janus Structural Color from a 2D Photonic Crystal Hybrid with a Fabry-Pérot Cavity. <i>Advanced Optical Materials</i> , 2018, 6, 1800651.	3.6	53
114	In Situ Inkjet Printing of the Perovskite Single-Crystal Array-Embedded Polydimethylsiloxane Film for Wearable Light-Emitting Devices. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 22157-22162.	4.0	53
115	Polyethyleneimine High-Energy Hydrophilic Surface Interfacial Treatment toward Efficient and Stable Perovskite Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 32574-32580.	4.0	52
116	Size Fractionation of Graphene Oxide Nanosheets via Controlled Directional Freezing. <i>Journal of the American Chemical Society</i> , 2017, 139, 12517-12523.	6.6	52
117	Designable structural coloration by colloidal particle assembly: from nature to artificial manufacturing. <i>IScience</i> , 2021, 24, 102121.	1.9	52
118	Bioinspired molecules design for bilateral synergistic passivation in buried interfaces of planar perovskite solar cells. <i>Nano Research</i> , 2022, 15, 1069-1078.	5.8	52
119	High efficient perovskite whispering-gallery solar cells. <i>Nano Energy</i> , 2018, 51, 556-562.	8.2	51
120	Defect Passivation by a D ⁺ -A ⁻ -D Type Hole-Transporting Interfacial Layer for Efficient and Stable Perovskite Solar Cells. <i>ACS Energy Letters</i> , 2021, 6, 2030-2037.	8.8	50
121	A Photochromic Sensor Microchip for High-performance Multiplex Metal Ions Detection. <i>Scientific Reports</i> , 2015, 5, 9724.	1.6	49
122	Solid-state nanocrystalline solar cells with an antimony sulfide absorber deposited by an in situ solid-gas reaction. <i>Journal of Materials Chemistry A</i> , 2017, 5, 4791-4796.	5.2	48
123	A novel compact DPP dye with enhanced light harvesting and charge transfer properties for highly efficient DSCs. <i>Journal of Materials Chemistry A</i> , 2013, 1, 4858.	5.2	47
124	Printable Functional Chips Based on Nanoparticle Assembly. <i>Small</i> , 2017, 13, 1503339.	5.2	47
125	Continuous 3D printing from one single droplet. <i>Nature Communications</i> , 2020, 11, 4685.	5.8	47
126	Printable Nanomaterials for the Fabrication of High-Performance Supercapacitors. <i>Nanomaterials</i> , 2018, 8, 528.	1.9	46

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127	Wearable Power Source: A Newfangled Feasibility for Perovskite Photovoltaics. ACS Energy Letters, 2019, 4, 1065-1072.	8.8	45
128	Tough Photonic Crystals Fabricated by Photo-Crosslinkage of Latex Spheres. Macromolecular Rapid Communications, 2009, 30, 509-514.	2.0	44
129	Direct Writing of Patterned, Lead-Free Nanowire Aligned Flexible Piezoelectric Device. Advanced Science, 2016, 3, 1600120.	5.6	44
130	Patterned Wettability Surface for Competition-Driving Large-Grained Perovskite Solar Cells. Advanced Energy Materials, 2019, 9, 1900838.	10.2	44
131	Manipulating Oil Droplets by Superamphiphobic Nozzle. Small, 2015, 11, 4837-4843.	5.2	43
132	Inkjet printing bendable circuits based on an oil-water interface reaction. Applied Surface Science, 2018, 445, 391-397.	3.1	43
133	Fabrication of closed-cell polyimide inverse opal photonic crystals with excellent mechanical properties and thermal stability. Journal of Materials Chemistry, 2008, 18, 2262.	6.7	42
134	Transparent Ag@Au-graphene patterns with conductive stability via inkjet printing. Journal of Materials Chemistry C, 2017, 5, 2800-2806.	2.7	42
135	Design of Low Bandgap CsPb _{1-x} Sn _x I _{2-2x} Br Perovskite Solar Cells with Excellent Phase Stability. Small, 2021, 17, e2101380.	5.2	42
136	Facile fabrication of a superhydrophilic-superhydrophobic patterned surface by inkjet printing a sacrificial layer on a superhydrophilic surface. RSC Advances, 2016, 6, 31470-31475.	1.7	41
137	Fabrication of methylammonium bismuth iodide through interdiffusion of solution-processed BiI ₃ /CH ₃ NH ₃ I stacking layers. RSC Advances, 2017, 7, 43826-43830.	1.7	40
138	Low-temperature interfacial engineering for flexible CsPbI ₂ Br perovskite solar cells with high performance beyond 15%. Journal of Materials Chemistry A, 2020, 8, 5308-5314.	5.2	40
139	Intrinsic carbon nanotube liquid crystalline elastomer photoactuators for high-definition biomechanics. Materials Horizons, 2022, 9, 1045-1056.	6.4	40
140	A 3D Self-Shaping Strategy for Nanoresolution Multicomponent Architectures. Advanced Materials, 2018, 30, 1703963.	11.1	39
141	Heterogeneous Wettability Surfaces: Principle, Construction, and Applications. Small Structures, 2020, 1, 2000028.	6.9	39
142	Mechanically Robust and Flexible Perovskite Solar Cells via a Printable and Gelatinous Interface. ACS Applied Materials & Interfaces, 2021, 13, 19959-19969.	4.0	39
143	Moiré Perovskite Photodetector toward High-Sensitive Digital Polarization Imaging. Advanced Energy Materials, 2021, 11, 2100742.	10.2	39
144	Twenty Natural Amino Acids Identification by a Photochromic Sensor Chip. Analytical Chemistry, 2015, 87, 837-842.	3.2	38

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145	Recent Progress in Responsive Structural Color. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 2885-2900.	2.1	38
146	Sustainable Pb Management in Perovskite Solar Cells toward Eco-Friendly Development. <i>Advanced Energy Materials</i> , 2022, 12, .	10.2	38
147	Closed-air induced composite wetting on hydrophilic ordered nanoporous anodic alumina. <i>Applied Physics Letters</i> , 2010, 97, .	1.5	37
148	Fabricating High-Resolution Metal Pattern with Inkjet Printed Water-Soluble Sacrificial Layer. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 22108-22114.	4.0	37
149	Solution-processed organic semiconductor crystals for field-effect transistors: from crystallization mechanism towards morphology control. <i>Journal of Materials Chemistry C</i> , 2021, 9, 1126-1149.	2.7	37
150	Colorful Efficient Moiré-Perovskite Solar Cells. <i>Advanced Materials</i> , 2021, 33, e2008091.	11.1	37
151	Vacuum-Assisted Thermal Annealing of CsPbI ₃ for Highly Stable and Efficient Inorganic Perovskite Solar Cells. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	37
152	A 2,7-pyrene-based dye for solar cell application. <i>New Journal of Chemistry</i> , 2014, 38, 4404.	1.4	36
153	A push-pull thienoquinoidal chromophore for highly efficient p-type dye-sensitized solar cells. <i>Journal of Materials Chemistry A</i> , 2015, 3, 7695-7698.	5.2	36
154	A General Approach for Fluid Patterning and Application in Fabricating Microdevices. <i>Advanced Materials</i> , 2018, 30, e1802172.	11.1	36
155	Fabrication of Silver Mesh/Grid and Its Applications in Electronics. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 3493-3511.	4.0	36
156	Swarm Intelligence-Inspired Spontaneous Fabrication of Optimal Interconnect at the Micro/Nanoscale. <i>Advanced Materials</i> , 2017, 29, 1605223.	11.1	35
157	Steerable Droplet Bouncing for Precise Materials Transportation. <i>Advanced Materials Interfaces</i> , 2019, 6, 1901033.	1.9	35
158	Bioinspired Patterned Bubbles for Broad and Low-Frequency Acoustic Blocking. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 1757-1764.	4.0	35
159	Inkjet print microchannels based on a liquid template. <i>Lab on A Chip</i> , 2015, 15, 1759-1764.	3.1	34
160	Programmed Coassembly of One-Dimensional Binary Superstructures by Liquid Soft Confinement. <i>Journal of the American Chemical Society</i> , 2018, 140, 18-21.	6.6	34
161	Interfacial modification towards highly efficient and stable perovskite solar cells. <i>Nanoscale</i> , 2020, 12, 18563-18575.	2.8	34
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