

# Huizeng Li

## List of Publications by Year in descending order

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402  
papers

22,088  
citations

6233

80  
h-index

12558

132  
g-index

425  
all docs

425  
docs citations

425  
times ranked

20173  
citing authors

#	ARTICLE	IF	CITATIONS
1	Bioinspired Design of a Superoleophobic and Low Adhesive Water/Solid Interface. <i>Advanced Materials</i> , 2009, 21, 665-669.	11.1	1,123
2	Applications of Bio-Inspired Special Wettable Surfaces. <i>Advanced Materials</i> , 2011, 23, 719-734.	11.1	961
3	Inkjet printing wearable electronic devices. <i>Journal of Materials Chemistry C</i> , 2017, 5, 2971-2993.	2.7	415
4	Patterned Colloidal Photonic Crystals. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 2544-2553.	7.2	413
5	Controllable Printing Droplets for High-Resolution Patterns. <i>Advanced Materials</i> , 2014, 26, 6950-6958.	11.1	371
6	Highly efficient three-dimensional solar evaporator for high salinity desalination by localized crystallization. <i>Nature Communications</i> , 2020, 11, 521.	5.8	348
7	Colorful humidity sensitive photonic crystal hydrogel. <i>Journal of Materials Chemistry</i> , 2008, 18, 1116.	6.7	321
8	Patterning of controllable surface wettability for printing techniques. <i>Chemical Society Reviews</i> , 2013, 42, 5184.	18.7	299
9	Super-Hydrophobicity of Large-Area Honeycomb-Like Aligned Carbon Nanotubes. <i>Journal of Physical Chemistry B</i> , 2002, 106, 9274-9276.	1.2	289
10	Superhydrophobic surfaces cannot reduce ice adhesion. <i>Applied Physics Letters</i> , 2012, 101, .	1.5	282
11	Electrochemical Deposition of Conductive Superhydrophobic Zinc Oxide Thin Films. <i>Journal of Physical Chemistry B</i> , 2003, 107, 9954-9957.	1.2	281
12	Bio-Inspired Photonic Crystal Microchip for Fluorescent Ultratrace Detection. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 5791-5795.	7.2	253
13	Phase Pure 2D Perovskite for High-Performance 2D-3D Heterostructured Perovskite Solar Cells. <i>Advanced Materials</i> , 2018, 30, e1805323.	11.1	244
14	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
15	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
16	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
17	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
18	Recent Advances in Controlling the Depositing Morphologies of Inkjet Droplets. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 28086-28099.	4.0	210

#	ARTICLE	IF	CITATIONS
19	Janus effect of antifreeze proteins on ice nucleation. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 14739-14744.	3.3	205
20	Super-hydrophobic surfaces to condensed micro-droplets at temperatures below the freezing point retard ice/frost formation. Soft Matter, 2011, 7, 3993.	1.2	201
21	Controlled Inkjetting of a Conductive Pattern of Silver Nanoparticles Based on the Coffee-Ring Effect. Advanced Materials, 2013, 25, 6714-6718.	11.1	200
22	Graphene Oxide Restricts Growth and Recrystallization of Ice Crystals. Angewandte Chemie - International Edition, 2017, 56, 997-1001.	7.2	186
23	Printable Skin-Driven Mechanoluminescence Devices via Nanodoped Matrix Modification. Advanced Materials, 2018, 30, e1800291.	11.1	178
24	Hydrophilic-Hydrophobic Patterned Molecularly Imprinted Photonic Crystal Sensors for High-Sensitive Colorimetric Detection of Tetracycline. Small, 2015, 11, 2738-2742.	5.2	176
25	All-printed 3D hierarchically structured cellulose aerogel based triboelectric nanogenerator for multi-functional sensors. Nano Energy, 2019, 63, 103885.	8.2	176
26	Highly Fluorescent Contrast for Rewritable Optical Storage Based on Photochromic Bisthiénylene-Bridged Naphthalimide Dimer. Chemistry of Materials, 2006, 18, 235-237.	3.2	175
27	Bio-inspired vertebral design for scalable and flexible perovskite solar cells. Nature Communications, 2020, 11, 3016.	5.8	173
28	Fabrication of Transparent Multilayer Circuits by Inkjet Printing. Advanced Materials, 2016, 28, 1420-1426.	11.1	172
29	3D Printing a Biomimetic Bridge-Arch Solar Evaporator for Eliminating Salt Accumulation with Desalination and Agricultural Applications. Advanced Materials, 2021, 33, e2102443.	11.1	172
30	Superoleophobic Surfaces with Controllable Oil Adhesion and Their Application in Oil Transportation. Advanced Functional Materials, 2011, 21, 4270-4276.	7.8	171
31	Recent advances in colloidal photonic crystal sensors: Materials, structures and analysis methods. Nano Today, 2018, 22, 132-144.	6.2	170
32	Rate-dependent interface capture beyond the coffee-ring effect. Scientific Reports, 2016, 6, 24628.	1.6	161
33	Programmable droplet manipulation by a magnetic-actuated robot. Science Advances, 2020, 6, eaay5808.	4.7	160
34	Printing Patterned Fine 3D Structures by Manipulating the Three Phase Contact Line. Advanced Functional Materials, 2015, 25, 2237-2242.	7.8	157
35	Thermal-responsive hydrogel surface: tunable wettability and adhesion to oil at the water/solid interface. Soft Matter, 2010, 6, 2708.	1.2	153
36	Nanoparticle Based Curve Arrays for Multirecognition Flexible Electronics. Advanced Materials, 2016, 28, 1369-1374.	11.1	153

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37	A general printing approach for scalable growth of perovskite single-crystal films. <i>Science Advances</i> , 2018, 4, eaat2390.	4.7	150
38	A Cation-Exchange Approach for the Fabrication of Efficient Methylammonium Tin Iodide Perovskite Solar Cells. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 6688-6692.	7.2	150
39	Hierarchically structured porous aluminum surfaces for high-efficient removal of condensed water. <i>Soft Matter</i> , 2012, 8, 6680.	1.2	146
40	A Multi-Stopband 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
41	Organic Functional Molecules towards Information Processing and High-Density Information Storage. <i>Advanced Materials</i> , 2008, 20, 2888-2898.	11.1	140
42	Enhancement of photochemical hydrogen evolution over Pt-loaded hierarchical titania photonic crystal. <i>Energy and Environmental Science</i> , 2010, 3, 1503.	15.6	139
43	A Rainbow Structural-Color Chip for Multisaccharide Recognition. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 6911-6914.	7.2	138
44	Highly Brilliant Noniridescent Structural Colors Enabled by Graphene Nanosheets Containing Graphene Quantum Dots. <i>Advanced Functional Materials</i> , 2018, 28, 1802585.	7.8	137
45	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
46	Spontaneous droplets gyrating via asymmetric self-splitting on heterogeneous surfaces. <i>Nature Communications</i> , 2019, 10, 950.	5.8	135
47	Distinct ice patterns on solid surfaces with various wettabilities. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 11285-11290.	3.3	132
48	Self-Healable Organogel Nanocomposite with Angle-Independent Structural Colors. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 10462-10466.	7.2	131
49	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
50	Photochromic sensors: a versatile approach for recognition and discrimination. <i>Journal of Materials Chemistry C</i> , 2015, 3, 9265-9275.	2.7	122
51	Printable Smart Materials and Devices: Strategies and Applications. <i>Chemical Reviews</i> , 2022, 122, 5144-5164.	23.0	121
52	Diffraction-Grated Perovskite Induced Highly Efficient Solar Cells through Nanophotonic Light Trapping. <i>Advanced Energy Materials</i> , 2018, 8, 1702960.	10.2	119
53	Patterning Fluorescent Quantum Dot Nanocomposites by Reactive Inkjet Printing. <i>Small</i> , 2015, 11, 1649-1654.	5.2	117
54	Direct-Writing Multifunctional Perovskite Single Crystal Arrays by Inkjet Printing. <i>Small</i> , 2017, 13, 1603217.	5.2	117

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55	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
56	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
57	Superoleophilic and Superhydrophobic Inverse Opals for Oil Sensors. <i>Advanced Functional Materials</i> , 2008, 18, 3258-3264.	7.8	113
58	Fabrication of Nanoscale Circuits on Inkjet-Printing Patterned Substrates. <i>Advanced Materials</i> , 2015, 27, 3928-3933.	11.1	112
59	Integrating Ionic Gate and Rectifier Within One Solid-State Nanopore via Modification with Dual-Responsive Copolymer Brushes. <i>Advanced Functional Materials</i> , 2010, 20, 3561-3567.	7.8	108
60	Flexible Circuits and Soft Actuators by Printing Assembly of Graphene. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 12369-12376.	4.0	104
61	Amplifying fluorescence sensing based on inverse opal photonic crystal toward trace TNT detection. <i>Journal of Materials Chemistry</i> , 2011, 21, 1730-1735.	6.7	101
62	A general patterning approach by manipulating the evolution of two-dimensional liquid foams. <i>Nature Communications</i> , 2017, 8, 14110.	5.8	99
63	Hierarchically Macro-/Mesoporous Ti <sup>3+</sup> /Si Oxides Photonic Crystal with Highly Efficient Photocatalytic Capability. <i>Environmental Science &amp; Technology</i> , 2009, 43, 9425-9431.	4.6	97
64	Patterned photonic crystals fabricated by inkjet printing. <i>Journal of Materials Chemistry C</i> , 2013, 1, 6048.	2.7	97
65	Controllable Underwater Oil-Adhesion-Interface Films Assembled from Nonspherical Particles. <i>Advanced Functional Materials</i> , 2011, 21, 4436-4441.	7.8	96
66	Low-Dimensional Perovskites with Diammonium and Monoammonium Alternant Cations for High-Performance Photovoltaics. <i>Advanced Materials</i> , 2019, 31, e1901966.	11.1	96
67	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
68	Splitting a Droplet for Femtoliter Liquid Patterns and Single Cell Isolation. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 9060-9065.	4.0	95
69	A General Strategy for Assembling Nanoparticles in One Dimension. <i>Advanced Materials</i> , 2014, 26, 2501-2507.	11.1	93
70	Novel amphoteric ion exchange membranes by blending sulfonated poly(ether ether) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 147 Td (keton <i>Materials Chemistry A</i> , 2015, 3, 17590-17597.	5.2	91
71	One-Step Inkjet Printed Perovskite in Air for Efficient Light Harvesting. <i>Solar Rrl</i> , 2018, 2, 1700217.	3.1	90
72	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

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73	Patterned photonic crystals for hiding information. <i>Journal of Materials Chemistry C</i> , 2017, 5, 4621-4628.	2.7	89
74	Water-Resistant and Flexible Perovskite Solar Cells via a Glued Interfacial Layer. <i>Advanced Functional Materials</i> , 2019, 29, 1902629.	7.8	89
75	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
76	Control over the Wettability of Colloidal Crystal Films by Assembly Temperature. <i>Macromolecular Rapid Communications</i> , 2006, 27, 188-192.	2.0	87
77	Bioinspired Micropatterned Superhydrophilic Au-Areoles for Surface-Enhanced Raman Scattering (SERS) Trace Detection. <i>Advanced Functional Materials</i> , 2018, 28, 1800448.	7.8	87
78	Superhydrophobic surface at low surface temperature. <i>Applied Physics Letters</i> , 2011, 98, .	1.5	86
79	Ink Engineering of Inkjet Printing Perovskite. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 39082-39091.	4.0	85
80	Emerging Progress of Inkjet Technology in Printing Optical Materials. <i>Advanced Optical Materials</i> , 2016, 4, 1915-1932.	3.6	84
81	Direct Conversion of CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> from Electrodeposited PbO for Highly Efficient Planar Perovskite Solar Cells. <i>Scientific Reports</i> , 2015, 5, 15889.	1.6	83
82	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
83	Highly reproducible SERS arrays directly written by inkjet printing. <i>Nanoscale</i> , 2015, 7, 421-425.	2.8	81
84	Three-dimensional multi-recognition flexible wearable sensor via graphene aerogel printing. <i>Chemical Communications</i> , 2016, 52, 10948-10951.	2.2	81
85	Thermochromic core-shell nanofibers fabricated by melt coaxial electrospinning. <i>Journal of Applied Polymer Science</i> , 2009, 112, 269-274.	1.3	76
86	Light-Driven ATP Transmembrane Transport Controlled by DNA Nanomachines. <i>Journal of the American Chemical Society</i> , 2018, 140, 16048-16052.	6.6	76
87	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
88	Charge-Carrier Transport in Quasi-2D Ruddlesden-Popper Perovskite Solar Cells. <i>Advanced Materials</i> , 2022, 34, e2106822.	11.1	74
89	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
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	Ion-specific ice recrystallization provides a facile approach for the fabrication of porous materials. Nature Communications, 2017, 8, 15154.	5.8	71
94	Methylamine-assisted growth of uniaxial-oriented perovskite thin films with millimeter-sized grains. Nature Communications, 2020, 11, 5402.	5.8	71
95	A colorful oil-sensitive carbon inverse opal. Journal of Materials Chemistry, 2008, 18, 5098.	6.7	70
96	Bioinspired Quasi-3D Multiplexed Anti-Counterfeit Imaging via Self-Assembled and Nanoimprinted Photonic Architectures. Advanced Materials, 2022, 34, e2107243.	11.1	70
97	Wettability Alteration of Polymer Surfaces Produced by Scraping. Journal of Adhesion Science and Technology, 2008, 22, 395-402.	1.4	69
98	Electronic Textile by Dyeing Method for Multiresolution Physical Kinases Monitoring. Advanced Electronic Materials, 2017, 3, 1700253.	2.6	69
99	Spontaneous Uphill Movement and Self-Removal of Condensates on Hierarchical Tower-like Arrays. ACS Nano, 2016, 10, 9456-9462.	7.3	68
100	Fabrication of functional colloidal photonic crystals based on well-designed latex particles. Journal of Materials Chemistry, 2011, 21, 14113.	6.7	67
101	Graphene: Diversified Flexible 2D Material for Wearable Vital Signs Monitoring. Advanced Materials Technologies, 2019, 4, 1800574.	3.0	67
102	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
103	Tautomeric Molecule Acts as a "Sunscreen" for Metal Halide Perovskite Solar Cells. Angewandte Chemie - International Edition, 2021, 60, 8673-8677.	7.2	67
104	Hierarchical TiO <sub>2</sub> photonic crystal spheres prepared by spray drying for highly efficient photocatalysis. Journal of Materials Chemistry A, 2013, 1, 541-547.	5.2	66
105	Controllable Growth of High-Quality Inorganic Perovskite Microplate Arrays for Functional Optoelectronics. Advanced Materials, 2020, 32, e1908006.	11.1	66
106	Bioinspired Color Switchable Photonic Crystal Silicone Elastomer Kirigami. Angewandte Chemie - International Edition, 2021, 60, 14307-14312.	7.2	66
107	Novel sulfonated polyimide/polyvinyl alcohol blend membranes for vanadium redox flow battery applications. Journal of Materials Chemistry A, 2015, 3, 2072-2081.	5.2	65
108	Droplet Precise Self-Splitting on Patterned Adhesive Surfaces for Simultaneous Multidetector. Angewandte Chemie - International Edition, 2020, 59, 10535-10539.	7.2	65

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109	Condensation mode determines the freezing of condensed water on solid surfaces. <i>Soft Matter</i> , 2012, 8, 8285.	1.2	64
110	From Structural Design to Functional Construction: Amine Molecules in High-Performance Formamidinium-Based Perovskite Solar Cells. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	63
111	Inkjet-printed highly conductive transparent patterns with water based Ag-doped graphene. <i>Journal of Materials Chemistry A</i> , 2014, 2, 19095-19101.	5.2	62
112	Utilizing superhydrophilic materials to manipulate oil droplets arbitrarily in water. <i>Soft Matter</i> , 2011, 7, 5144.	1.2	61
113	“Clinging” Microdroplet Patterning Upon High Adhesion, Pillar-Structured Silicon Substrates. <i>Advanced Functional Materials</i> , 2011, 21, 3297-3307.	7.8	61
114	Highly reflective superhydrophobic white coating inspired by poplar leaf hairs toward an effective “cool roof”. <i>Energy and Environmental Science</i> , 2011, 4, 3364.	15.6	57
115	Reconfigurable Magnetic Liquid Metal Robot for High-Performance Droplet Manipulation. <i>Nano Letters</i> , 2022, 22, 2923-2933.	4.5	57
116	Bubble Architectures for Locally Resonant Acoustic Metamaterials. <i>Advanced Functional Materials</i> , 2019, 29, 1906984.	7.8	56
117	Fabrication of large-area patterned photonic crystals by ink-jet printing. <i>Journal of Materials Chemistry</i> , 2009, , .	6.7	55
118	A Biomimetic Self-Shield Interface for Flexible Perovskite Solar Cells with Negligible Lead Leakage. <i>Advanced Functional Materials</i> , 2021, 31, 2106460.	7.8	54
119	Janus Structural Color from a 2D Photonic Crystal Hybrid with a Fabry-Perot Cavity. <i>Advanced Optical Materials</i> , 2018, 6, 1800651.	3.6	53
120	In Situ Inkjet Printing of the Perovskite Single-Crystal Array-Embedded Polydimethylsiloxane Film for Wearable Light-Emitting Devices. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 22157-22162.	4.0	53
121	Crystallization kinetics modulation and defect suppression of all-inorganic CsPbX <sub>3</sub> perovskite films. <i>Energy and Environmental Science</i> , 2022, 15, 413-438.	15.6	53
122	Polyethyleneimine High-Energy Hydrophilic Surface Interfacial Treatment toward Efficient and Stable Perovskite Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 32574-32580.	4.0	52
123	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
124	Designable structural coloration by colloidal particle assembly: from nature to artificial manufacturing. <i>iScience</i> , 2021, 24, 102121.	1.9	52
125	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
126	Hierarchical optical antenna: Gold nanoparticle-modified photonic crystal for highly-sensitive label-free DNA detection. <i>Journal of Materials Chemistry</i> , 2012, 22, 8127.	6.7	50



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127	Defect Passivation by a D <sup>+</sup> -Type Hole-Transporting Interfacial Layer for Efficient and Stable Perovskite Solar Cells. <i>ACS Energy Letters</i> , 2021, 6, 2030-2037.	8.8	50
128	A Photochromic Sensor Microchip for High-performance Multiplex Metal Ions Detection. <i>Scientific Reports</i> , 2015, 5, 9724.	1.6	49
129	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
130	Printable Functional Chips Based on Nanoparticle Assembly. <i>Small</i> , 2017, 13, 1503339.	5.2	47
131	Continuous 3D printing from one single droplet. <i>Nature Communications</i> , 2020, 11, 4685.	5.8	47
132	Controllable Synthesis of Latex Particles with Multicavity Structures. <i>Macromolecules</i> , 2011, 44, 2404-2409.	2.2	46
133	Printable Nanomaterials for the Fabrication of High-Performance Supercapacitors. <i>Nanomaterials</i> , 2018, 8, 528.	1.9	46
134	Wearable Power Source: A Newfangled Feasibility for Perovskite Photovoltaics. <i>ACS Energy Letters</i> , 2019, 4, 1065-1072.	8.8	45
135	Direct Writing of Patterned, Lead-Free Nanowire Aligned Flexible Piezoelectric Device. <i>Advanced Science</i> , 2016, 3, 1600120.	5.6	44
136	Patterned Wettability Surface for Competition-Driving Large-Grained Perovskite Solar Cells. <i>Advanced Energy Materials</i> , 2019, 9, 1900838.	10.2	44
137	Manipulating Oil Droplets by Superamphiphobic Nozzle. <i>Small</i> , 2015, 11, 4837-4843.	5.2	43
138	Inkjet printing bendable circuits based on an oil-water interface reaction. <i>Applied Surface Science</i> , 2018, 445, 391-397.	3.1	43
139	Fabrication of closed-cell polyimide inverse opal photonic crystals with excellent mechanical properties and thermal stability. <i>Journal of Materials Chemistry</i> , 2008, 18, 2262.	6.7	42
140	Transparent Ag@Au-graphene patterns with conductive stability via inkjet printing. <i>Journal of Materials Chemistry C</i> , 2017, 5, 2800-2806.	2.7	42
141	Design of Low Bandgap CsPb <sub>1-x</sub> Sn <sub>2x</sub> Br Perovskite Solar Cells with Excellent Phase Stability. <i>Small</i> , 2021, 17, e2101380.	5.2	42
142	Photo- and Proton-Dual-Responsive Fluorescence Switch Based on a Bisthiénylene-Bridged Naphthalimide Dimer and Its Application in Security Data Storage. <i>European Journal of Organic Chemistry</i> , 2007, 2007, 2064-2067.	1.2	41
143	Photonic crystal concentrator for efficient output of dye-sensitized solar cells. <i>Journal of Materials Chemistry</i> , 2008, 18, 2650.	6.7	41
144	Programmable DNA switch for bioresponsive controlled release. <i>Journal of Materials Chemistry</i> , 2011, 21, 13811.	6.7	41

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145	Facile fabrication of a superhydrophilicâ€“superhydrophobic patterned surface by inkjet printing a sacrificial layer on a superhydrophilic surface. RSC Advances, 2016, 6, 31470-31475.	1.7	41
146	Fabrication of methylammonium bismuth iodide through interdiffusion of solution-processed BiI <sub>3</sub> /CH <sub>3</sub> NH <sub>3</sub> I stacking layers. RSC Advances, 2017, 7, 43826-43830.	1.7	40
147	Intrinsic carbon nanotube liquid crystalline elastomer photoactuators for high-definition biomechanics. Materials Horizons, 2022, 9, 1045-1056.	6.4	40
148	A 3D Self-Healing Strategy for Nanoresolution Multicomponent Architectures. Advanced Materials, 2018, 30, 1703963.	11.1	39
149	Heterogeneous Wettability Surfaces: Principle, Construction, and Applications. Small Structures, 2020, 1, 2000028.	6.9	39
150	Mechanically Robust and Flexible Perovskite Solar Cells via a Printable and Gelatinous Interface. ACS Applied Materials & Interfaces, 2021, 13, 19959-19969.	4.0	39
151	Moiré Perovskite Photodetector toward High-Sensitive Digital Polarization Imaging. Advanced Energy Materials, 2021, 11, 2100742.	10.2	39
152	Recent Progress in Responsive Structural Color. Journal of Physical Chemistry Letters, 2022, 13, 2885-2900.	2.1	38
153	Closed-air induced composite wetting on hydrophilic ordered nanoporous anodic alumina. Applied Physics Letters, 2010, 97, .	1.5	37
154	Fabricating High-Resolution Metal Pattern with Inkjet Printed Water-Soluble Sacrificial Layer. ACS Applied Materials & Interfaces, 2020, 12, 22108-22114.	4.0	37
155	Solution-processed organic semiconductor crystals for field-effect transistors: from crystallization mechanism towards morphology control. Journal of Materials Chemistry C, 2021, 9, 1126-1149.	2.7	37
156	Colorful Efficient Moiré Perovskite Solar Cells. Advanced Materials, 2021, 33, e2008091.	11.1	37
157	A General Approach for Fluid Patterning and Application in Fabricating Microdevices. Advanced Materials, 2018, 30, e1802172.	11.1	36
158	Fabrication of Silver Mesh/Grid and Its Applications in Electronics. ACS Applied Materials & Interfaces, 2021, 13, 3493-3511.	4.0	36
159	Photoelectric Cooperative Induced Wetting on Aligned Nanopore Arrays for Liquid Reprography. Advanced Functional Materials, 2011, 21, 4519-4526.	7.8	35
160	Controllable Fabrication of Noniridescent Microshaped Photonic Crystal Assemblies by Dynamic Three-Phase Contact Line Behaviors on Superhydrophobic Substrates. ACS Applied Materials & Interfaces, 2015, 7, 22644-22651.	4.0	35
161	Swarm Intelligence-Inspired Spontaneous Fabrication of Optimal Interconnect at the Micro/Nanoscale. Advanced Materials, 2017, 29, 1605223.	11.1	35
162	Steerable Droplet Bouncing for Precise Materials Transportation. Advanced Materials Interfaces, 2019, 6, 1901033.	1.9	35

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