List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/808505/publications.pdf Version: 2024-02-01



HUIZENCL

#	Article	IF	CITATIONS
1	Bioinspired Design of a Superoleophobic and Low Adhesive Water/Solid Interface. Advanced Materials, 2009, 21, 665-669.	21.0	1,123
2	Applications of Bioâ€Inspired Special Wettable Surfaces. Advanced Materials, 2011, 23, 719-734.	21.0	961
3	Inkjet printing wearable electronic devices. Journal of Materials Chemistry C, 2017, 5, 2971-2993.	5.5	415
4	Patterned Colloidal Photonic Crystals. Angewandte Chemie - International Edition, 2018, 57, 2544-2553.	13.8	413
5	Controllable Printing Droplets for Highâ€Resolution Patterns. Advanced Materials, 2014, 26, 6950-6958.	21.0	371
6	Highly efficient three-dimensional solar evaporator for high salinity desalination by localized crystallization. Nature Communications, 2020, 11, 521.	12.8	348
7	Colorful humidity sensitive photonic crystal hydrogel. Journal of Materials Chemistry, 2008, 18, 1116.	6.7	321
8	Patterning of controllable surface wettability for printing techniques. Chemical Society Reviews, 2013, 42, 5184.	38.1	299
9	Super-Hydrophobicity of Large-Area Honeycomb-Like Aligned Carbon Nanotubes. Journal of Physical Chemistry B, 2002, 106, 9274-9276.	2.6	289
10	Superhydrophobic surfaces cannot reduce ice adhesion. Applied Physics Letters, 2012, 101, .	3.3	282
11	Electrochemical Deposition of Conductive Superhydrophobic Zinc Oxide Thin Films. Journal of Physical Chemistry B, 2003, 107, 9954-9957.	2.6	281
12	Bioâ€Inspired Photonicâ€Crystal Microchip for Fluorescent Ultratrace Detection. Angewandte Chemie - International Edition, 2014, 53, 5791-5795.	13.8	253
13	Phase Pure 2D Perovskite for Highâ€Performance 2D–3D Heterostructured Perovskite Solar Cells. Advanced Materials, 2018, 30, e1805323.	21.0	244
14	Simple Fabrication of Full Color Colloidal Crystal Films with Tough Mechanical Strength. Macromolecular Chemistry and Physics, 2006, 207, 596-604.	2.2	232
15	From colloidal particles to photonic crystals: advances in self-assembly and their emerging applications. Chemical Society Reviews, 2021, 50, 5898-5951.	38.1	232
16	Inkjet Printing Patterned Photonic Crystal Domes for Wide Viewingâ€Angle Displays by Controlling the Sliding Three Phase Contact Line. Advanced Optical Materials, 2014, 2, 34-38.	7.3	221
17	Colloidal Photonic Crystals with Narrow Stopbands Assembled from Low-Adhesive Superhydrophobic Substrates. Journal of the American Chemical Society, 2012, 134, 17053-17058.	13.7	215
18	Recent Advances in Controlling the Depositing Morphologies of Inkjet Droplets. ACS Applied Materials & Interfaces, 2015, 7, 28086-28099.	8.0	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.	7.1	205
20	Super-hydrophobic surfaces to condensed micro-droplets at temperatures below the freezing point retard ice/frost formation. Soft Matter, 2011, 7, 3993.	2.7	201
21	Controlled Inkjetting of a Conductive Pattern of Silver Nanoparticles Based on the Coffeeâ€Ring Effect. Advanced Materials, 2013, 25, 6714-6718.	21.0	200
22	Graphene Oxide Restricts Growth and Recrystallization of Ice Crystals. Angewandte Chemie - International Edition, 2017, 56, 997-1001.	13.8	186
23	Printable Skinâ€Driven Mechanoluminescence Devices via Nanodoped Matrix Modification. Advanced Materials, 2018, 30, e1800291.	21.0	178
24	Hydrophilic–Hydrophobic Patterned Molecularly Imprinted Photonic Crystal Sensors for Highâ€Sensitive Colorimetric Detection of Tetracycline. Small, 2015, 11, 2738-2742.	10.0	176
25	All-printed 3D hierarchically structured cellulose aerogel based triboelectric nanogenerator for multi-functional sensors. Nano Energy, 2019, 63, 103885.	16.0	176
26	Highly Fluorescent Contrast for Rewritable Optical Storage Based on Photochromic Bisthienylethene-Bridged Naphthalimide Dimer. Chemistry of Materials, 2006, 18, 235-237.	6.7	175
27	Bio-inspired vertebral design for scalable and flexible perovskite solar cells. Nature Communications, 2020, 11, 3016.	12.8	173
28	Fabrication of Transparent Multilayer Circuits by Inkjet Printing. Advanced Materials, 2016, 28, 1420-1426.	21.0	172
29	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
30	Superoleophobic Surfaces with Controllable Oil Adhesion and Their Application in Oil Transportation. Advanced Functional Materials, 2011, 21, 4270-4276.	14.9	171
31	Recent advances in colloidal photonic crystal sensors: Materials, structures and analysis methods. Nano Today, 2018, 22, 132-144.	11.9	170
32	Rate-dependent interface capture beyond the coffee-ring effect. Scientific Reports, 2016, 6, 24628.	3.3	161
33	Programmable droplet manipulation by a magnetic-actuated robot. Science Advances, 2020, 6, eaay5808.	10.3	160
34	Printing Patterned Fine 3D Structures by Manipulating the Three Phase Contact Line. Advanced Functional Materials, 2015, 25, 2237-2242.	14.9	157
35	Thermal-responsive hydrogel surface: tunable wettability and adhesion to oil at the water/solid interface. Soft Matter, 2010, 6, 2708.	2.7	153
36	Nanoparticle Based Curve Arrays for Multirecognition Flexible Electronics. Advanced Materials, 2016, 28, 1369-1374.	21.0	153

#	Article	IF	CITATIONS
37	A general printing approach for scalable growth of perovskite single-crystal films. Science Advances, 2018, 4, eaat2390.	10.3	150
38	A Cationâ€Exchange Approach for the Fabrication of Efficient Methylammonium Tin lodide Perovskite Solar Cells. Angewandte Chemie - International Edition, 2019, 58, 6688-6692.	13.8	150
39	Hierarchically structured porous aluminum surfaces for high-efficient removal of condensed water. Soft Matter, 2012, 8, 6680.	2.7	146
40	A Multiâ€stopband Photonicâ€Crystal Microchip for Highâ€Performance Metalâ€ion Recognition Based on Fluorescent Detection. Angewandte Chemie - International Edition, 2013, 52, 7296-7299.	13.8	146
41	Organic Functional Molecules towards Information Processing and Highâ€Density Information Storage. Advanced Materials, 2008, 20, 2888-2898.	21.0	140
42	Enhancement of photochemical hydrogen evolution over Pt-loaded hierarchical titania photonic crystal. Energy and Environmental Science, 2010, 3, 1503.	30.8	139
43	A Rainbow Structuralâ€Color Chip for Multisaccharide Recognition. Angewandte Chemie - International Edition, 2016, 55, 6911-6914.	13.8	138
44	Highly Brilliant Noniridescent Structural Colors Enabled by Graphene Nanosheets Containing Graphene Quantum Dots. Advanced Functional Materials, 2018, 28, 1802585.	14.9	137
45	Guided Selfâ€Propelled Leaping of Droplets on a Microâ€Anisotropic Superhydrophobic Surface. Angewandte Chemie - International Edition, 2016, 55, 4265-4269.	13.8	135
46	Spontaneous droplets gyrating via asymmetric self-splitting on heterogeneous surfaces. Nature Communications, 2019, 10, 950.	12.8	135
47	Distinct ice patterns on solid surfaces with various wettabilities. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 11285-11290.	7.1	132
48	Selfâ€Healable Organogel Nanocomposite with Angleâ€Independent Structural Colors. Angewandte Chemie - International Edition, 2017, 56, 10462-10466.	13.8	131
49	Lowâ€Dimensional Dion–Jacobsonâ€Phase Leadâ€Free Perovskites for Highâ€Performance Photovoltaics with Improved Stability. Angewandte Chemie - International Edition, 2020, 59, 6909-6914.	13.8	123
50	Photochromic sensors: a versatile approach for recognition and discrimination. Journal of Materials Chemistry C, 2015, 3, 9265-9275.	5.5	122
51	Printable Smart Materials and Devices: Strategies and Applications. Chemical Reviews, 2022, 122, 5144-5164.	47.7	121
52	Diffractionâ€Grated Perovskite Induced Highly Efficient Solar Cells through Nanophotonic Light Trapping. Advanced Energy Materials, 2018, 8, 1702960.	19.5	119
53	Patterning Fluorescent Quantum Dot Nanocomposites by Reactive Inkjet Printing. Small, 2015, 11, 1649-1654.	10.0	117
54	Directâ€Writing Multifunctional Perovskite Single Crystal Arrays by Inkjet Printing. Small, 2017, 13, 1603217.	10.0	117

#	Article	IF	CITATIONS
55	Printing assembly and structural regulation of graphene towards three-dimensional flexible micro-supercapacitors. Journal of Materials Chemistry A, 2017, 5, 16281-16288.	10.3	116
56	Nacre-inspired crystallization and elastic "brick-and-mortar―structure for a wearable perovskite solar module. Energy and Environmental Science, 2019, 12, 979-987.	30.8	114
57	Superoleophilic and Superhydrophobic Inverse Opals for Oil Sensors. Advanced Functional Materials, 2008, 18, 3258-3264.	14.9	113
58	Fabrication of Nanoscale Circuits on Inkjetâ€Printing Patterned Substrates. Advanced Materials, 2015, 27, 3928-3933.	21.0	112
59	Integrating Ionic Gate and Rectifier Within One Solid‣tate Nanopore via Modification with Dualâ€Responsive Copolymer Brushes. Advanced Functional Materials, 2010, 20, 3561-3567.	14.9	108
60	Flexible Circuits and Soft Actuators by Printing Assembly of Graphene. ACS Applied Materials & Interfaces, 2016, 8, 12369-12376.	8.0	104
61	Amplifying fluorescence sensing based on inverse opal photonic crystal toward trace TNT detection. Journal of Materials Chemistry, 2011, 21, 1730-1735.	6.7	101
62	A general patterning approach by manipulating the evolution of two-dimensional liquid foams. Nature Communications, 2017, 8, 14110.	12.8	99
63	Hierarchically Macro-/Mesoporous Tiâ^'Si Oxides Photonic Crystal with Highly Efficient Photocatalytic Capability. Environmental Science & Technology, 2009, 43, 9425-9431.	10.0	97
64	Patterned photonic crystals fabricated by inkjet printing. Journal of Materials Chemistry C, 2013, 1, 6048.	5.5	97
65	Controllable Underwater Oilâ€Adhesionâ€Interface Films Assembled from Nonspherical Particles. Advanced Functional Materials, 2011, 21, 4436-4441.	14.9	96
66	Lowâ€Dimensional Perovskites with Diammonium and Monoammonium Alternant Cations for Highâ€Performance Photovoltaics. Advanced Materials, 2019, 31, e1901966.	21.0	96
67	Direct-writing colloidal photonic crystal microfluidic chips by inkjet printing for label-free protein detection. Lab on A Chip, 2012, 12, 3089.	6.0	95
68	Splitting a Droplet for Femtoliter Liquid Patterns and Single Cell Isolation. ACS Applied Materials & Interfaces, 2015, 7, 9060-9065.	8.0	95
69	A General Strategy for Assembling Nanoparticles in One Dimension. Advanced Materials, 2014, 26, 2501-2507.	21.0	93
70	Novel amphoteric ion exchange membranes by blending sulfonated poly(ether ether) Tj ETQq0 0 0 rgBT /Overloc Materials Chemistry A, 2015, 3, 17590-17597.	t 10 Tf 50 10.3	147 Td (ket 91
71	One‣tep Inkjet Printed Perovskite in Air for Efficient Light Harvesting. Solar Rrl, 2018, 2, 1700217.	5.8	90
72	Inkjet printed colloidal photonic crystal microdot with fast response induced by hydrophobic transition of poly(N-isopropyl acrylamide). Journal of Materials Chemistry, 2012, 22, 21405.	6.7	89

#	Article	IF	CITATIONS
73	Patterned photonic crystals for hiding information. Journal of Materials Chemistry C, 2017, 5, 4621-4628.	5.5	89
74	Waterâ€Resistant and Flexible Perovskite Solar Cells via a Glued Interfacial Layer. Advanced Functional Materials, 2019, 29, 1902629.	14.9	89
75	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
76	Control over the Wettability of Colloidal Crystal Films by Assembly Temperature. Macromolecular Rapid Communications, 2006, 27, 188-192.	3.9	87
77	Bioinspired Micropatterned Superhydrophilic Auâ€Areoles for Surfaceâ€Enhanced Raman Scattering (SERS) Trace Detection. Advanced Functional Materials, 2018, 28, 1800448.	14.9	87
78	Superhydrophobic surface at low surface temperature. Applied Physics Letters, 2011, 98, .	3.3	86
79	Ink Engineering of Inkjet Printing Perovskite. ACS Applied Materials & Interfaces, 2020, 12, 39082-39091.	8.0	85
80	Emerging Progress of Inkjet Technology in Printing Optical Materials. Advanced Optical Materials, 2016, 4, 1915-1932.	7.3	84
81	Direct Conversion of CH3NH3PbI3 from Electrodeposited PbO for Highly Efficient Planar Perovskite Solar Cells. Scientific Reports, 2015, 5, 15889.	3.3	83
82	Healable green hydrogen bonded networks for circuit repair, wearable sensor and flexible electronic devices. Journal of Materials Chemistry A, 2017, 5, 13138-13144.	10.3	83
83	Highly reproducible SERS arrays directly written by inkjet printing. Nanoscale, 2015, 7, 421-425.	5.6	81
84	Three-dimensional multi-recognition flexible wearable sensor via graphene aerogel printing. Chemical Communications, 2016, 52, 10948-10951.	4.1	81
85	Thermochromic core–shell nanofibers fabricated by melt coaxial electrospinning. Journal of Applied Polymer Science, 2009, 112, 269-274.	2.6	76
86	Light-Driven ATP Transmembrane Transport Controlled by DNA Nanomachines. Journal of the American Chemical Society, 2018, 140, 16048-16052.	13.7	76
87	Large-area crack-free single-crystal photonic crystals via combined effects of polymerization-assisted assembly and flexible substrate. NPG Asia Materials, 2012, 4, e21-e21.	7.9	74
88	Charge arrier Transport in Quasiâ€2D Ruddlesden–Popper Perovskite Solar Cells. Advanced Materials, 2022, 34, e2106822.	21.0	74
89	Hydrogen-Bonding-Driven Wettability Change of Colloidal Crystal Films:  From Superhydrophobicity to Superhydrophilicity. Chemistry of Materials, 2006, 18, 4984-4986.	6.7	73
90	Fabrication of Patterned Concave Microstructures by Inkjet Imprinting. Advanced Functional Materials, 2015, 25, 3286-3294.	14.9	73

#	Article	IF	CITATIONS
91	Fourâ€Dimensional Screening Antiâ€Counterfeiting Pattern by Inkjet Printed Photonic Crystals. Chemistry - an Asian Journal, 2016, 11, 2680-2685.	3.3	72
92	Facile full-color printing with a single transparent ink. Science Advances, 2021, 7, eabh1992.	10.3	72
93	Ion-specific ice recrystallization provides a facile approach for the fabrication of porous materials. Nature Communications, 2017, 8, 15154.	12.8	71
94	Methylamine-assisted growth of uniaxial-oriented perovskite thin films with millimeter-sized grains. Nature Communications, 2020, 11, 5402.	12.8	71
95	A colorful oil-sensitive carbon inverse opal. Journal of Materials Chemistry, 2008, 18, 5098.	6.7	70
96	Bioinspired Quasiâ€3D Multiplexed Anti ounterfeit Imaging via Selfâ€Assembled and Nanoimprinted Photonic Architectures. Advanced Materials, 2022, 34, e2107243.	21.0	70
97	Wettability Alteration of Polymer Surfaces Produced by Scraping. Journal of Adhesion Science and Technology, 2008, 22, 395-402.	2.6	69
98	Electronic Textile by Dyeing Method for Multiresolution Physical Kineses Monitoring. Advanced Electronic Materials, 2017, 3, 1700253.	5.1	69
99	Spontaneous Uphill Movement and Self-Removal of Condensates on Hierarchical Tower-like Arrays. ACS Nano, 2016, 10, 9456-9462.	14.6	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.	5.8	67
102	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
103	Tautomeric Molecule Acts as a "Sunscreen―for Metal Halide Perovskite Solar Cells. Angewandte Chemie - International Edition, 2021, 60, 8673-8677.	13.8	67
104	Hierarchical TiO ₂ photonic crystal spheres prepared by spray drying for highly efficient photocatalysis. Journal of Materials Chemistry A, 2013, 1, 541-547.	10.3	66
105	Controllable Growth of Highâ€Quality Inorganic Perovskite Microplate Arrays for Functional Optoelectronics. Advanced Materials, 2020, 32, e1908006.	21.0	66
106	Bioinspired Color Switchable Photonic Crystal Silicone Elastomer Kirigami. Angewandte Chemie - International Edition, 2021, 60, 14307-14312.	13.8	66
107	Novel sulfonated polyimide/polyvinyl alcohol blend membranes for vanadium redox flow battery applications. Journal of Materials Chemistry A, 2015, 3, 2072-2081.	10.3	65
108	Droplet Precise Selfâ€Splitting on Patterned Adhesive Surfaces for Simultaneous Multidetection. Angewandte Chemie - International Edition, 2020, 59, 10535-10539.	13.8	65

#	Article	IF	CITATIONS
109	Condensation mode determines the freezing of condensed water on solid surfaces. Soft Matter, 2012, 8, 8285.	2.7	64
110	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
111	Inkjet-printed highly conductive transparent patterns with water based Ag-doped graphene. Journal of Materials Chemistry A, 2014, 2, 19095-19101.	10.3	62
112	Utilizing superhydrophilic materials to manipulate oil droplets arbitrarily in water. Soft Matter, 2011, 7, 5144.	2.7	61
113	"Clingingâ€Microdroplet―Patterning Upon Highâ€Adhesion, Pillarâ€Structured Silicon Substrates. Advanced Functional Materials, 2011, 21, 3297-3307.	14.9	61
114	Highly reflective superhydrophobic white coating inspired by poplar leaf hairs toward an effective "cool roof― Energy and Environmental Science, 2011, 4, 3364.	30.8	57
115	Reconfigurable Magnetic Liquid Metal Robot for High-Performance Droplet Manipulation. Nano Letters, 2022, 22, 2923-2933.	9.1	57
116	Bubble Architectures for Locally Resonant Acoustic Metamaterials. Advanced Functional Materials, 2019, 29, 1906984.	14.9	56
117	Fabrication of large-area patterned photonic crystals by ink-jet printing. Journal of Materials Chemistry, 2009, , .	6.7	55
118	A Biomimetic Self‧hield Interface for Flexible Perovskite Solar Cells with Negligible Lead Leakage. Advanced Functional Materials, 2021, 31, 2106460.	14.9	54
119	Janus Structural Color from a 2D Photonic Crystal Hybrid with a Fabry–Perot Cavity. Advanced Optical Materials, 2018, 6, 1800651.	7.3	53
120	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
121	Crystallization kinetics modulation and defect suppression of all-inorganic CsPbX ₃ perovskite films. Energy and Environmental Science, 2022, 15, 413-438.	30.8	53
122	Polyethyleneimine High-Energy Hydrophilic Surface Interfacial Treatment toward Efficient and Stable Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2016, 8, 32574-32580.	8.0	52
123	Size Fractionation of Graphene Oxide Nanosheets via Controlled Directional Freezing. Journal of the American Chemical Society, 2017, 139, 12517-12523.	13.7	52
124	Designable structural coloration by colloidal particle assembly: from nature to artificial manufacturing. IScience, 2021, 24, 102121.	4.1	52
125	Bioinspired molecules design for bilateral synergistic passivation in buried interfaces of planar perovskite solar cells. Nano Research, 2022, 15, 1069-1078.	10.4	52
126	Hierarchical optical antenna: Gold nanoparticle-modified photonic crystal for highly-sensitive label-free DNA detection. Journal of Materials Chemistry, 2012, 22, 8127.	6.7	50

#	Article	IF	CITATIONS
127	Defect Passivation by a D–A–D Type Hole-Transporting Interfacial Layer for Efficient and Stable Perovskite Solar Cells. ACS Energy Letters, 2021, 6, 2030-2037.	17.4	50
128	A Photochromic Sensor Microchip for High-performance Multiplex Metal Ions Detection. Scientific Reports, 2015, 5, 9724.	3.3	49
129	Solid-state nanocrystalline solar cells with an antimony sulfide absorber deposited by an in situ solid–gas reaction. Journal of Materials Chemistry A, 2017, 5, 4791-4796.	10.3	48
130	Printable Functional Chips Based on Nanoparticle Assembly. Small, 2017, 13, 1503339.	10.0	47
131	Continuous 3D printing from one single droplet. Nature Communications, 2020, 11, 4685.	12.8	47
132	Controllable Synthesis of Latex Particles with Multicavity Structures. Macromolecules, 2011, 44, 2404-2409.	4.8	46
133	Printable Nanomaterials for the Fabrication of High-Performance Supercapacitors. Nanomaterials, 2018, 8, 528.	4.1	46
134	Wearable Power Source: A Newfangled Feasibility for Perovskite Photovoltaics. ACS Energy Letters, 2019, 4, 1065-1072.	17.4	45
135	Direct Writing of Patterned, Leadâ€Free Nanowire Aligned Flexible Piezoelectric Device. Advanced Science, 2016, 3, 1600120.	11.2	44
136	Patterned Wettability Surface for Competitionâ€Driving Largeâ€Grained Perovskite Solar Cells. Advanced Energy Materials, 2019, 9, 1900838.	19.5	44
137	Manipulating Oil Droplets by Superamphiphobic Nozzle. Small, 2015, 11, 4837-4843.	10.0	43
138	Inkjet printing bendable circuits based on an oil-water interface reaction. Applied Surface Science, 2018, 445, 391-397.	6.1	43
139	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
140	Transparent Ag@Au–graphene patterns with conductive stability via inkjet printing. Journal of Materials Chemistry C, 2017, 5, 2800-2806.	5.5	42
141	Design of Low Bandgap CsPb _{1â^'} <i>_x</i> Sn <i>_x</i> l ₂ Br Perovskite Solar Cells with Excellent Phase Stability. Small, 2021, 17, e2101380.	10.0	42
142	Photo- and Proton-Dual-Responsive Fluorescence Switch Based on a Bisthienylethene-Bridged Naphthalimide Dimer and Its Application in Security Data Storage. European Journal of Organic Chemistry, 2007, 2007, 2064-2067.	2.4	41
143	Photonic crystal concentrator for efficient output of dye-sensitized solar cells. Journal of Materials Chemistry, 2008, 18, 2650.	6.7	41
144	Programmable DNA switch for bioresponsive controlled release. Journal of Materials Chemistry, 2011, 21, 13811.	6.7	41

#	Article	IF	CITATIONS
145	Facile fabrication of a superhydrophilic–superhydrophobic patterned surface by inkjet printing a sacrificial layer on a superhydrophilic surface. RSC Advances, 2016, 6, 31470-31475.	3.6	41
146	Fabrication of methylammonium bismuth iodide through interdiffusion of solution-processed Bil ₃ /CH ₃ NH ₃ I stacking layers. RSC Advances, 2017, 7, 43826-43830.	3.6	40
147	Intrinsic carbon nanotube liquid crystalline elastomer photoactuators for high-definition biomechanics. Materials Horizons, 2022, 9, 1045-1056.	12.2	40
148	A 3D Selfâ€ 5 haping Strategy for Nanoresolution Multicomponent Architectures. Advanced Materials, 2018, 30, 1703963.	21.0	39
149	Heterogeneous Wettability Surfaces: Principle, Construction, and Applications. Small Structures, 2020, 1, 2000028.	12.0	39
150	Mechanically Robust and Flexible Perovskite Solar Cells via a Printable and Gelatinous Interface. ACS Applied Materials & Interfaces, 2021, 13, 19959-19969.	8.0	39
151	Moiré Perovskite Photodetector toward High‣ensitive Digital Polarization Imaging. Advanced Energy Materials, 2021, 11, 2100742.	19.5	39
152	Recent Progress in Responsive Structural Color. Journal of Physical Chemistry Letters, 2022, 13, 2885-2900.	4.6	38
153	Closed-air induced composite wetting on hydrophilic ordered nanoporous anodic alumina. Applied Physics Letters, 2010, 97, .	3.3	37
154	Fabricating High-Resolution Metal Pattern with Inkjet Printed Water-Soluble Sacrificial Layer. ACS Applied Materials & Interfaces, 2020, 12, 22108-22114.	8.0	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.	5.5	37
156	Colorful Efficient Moiréâ€Perovskite Solar Cells. Advanced Materials, 2021, 33, e2008091.	21.0	37
157	A General Approach for Fluid Patterning and Application in Fabricating Microdevices. Advanced Materials, 2018, 30, e1802172.	21.0	36
158	Fabrication of Silver Mesh/Grid and Its Applications in Electronics. ACS Applied Materials & Interfaces, 2021, 13, 3493-3511.	8.0	36
159	Photoelectric Cooperative Induced Wetting on Alignedâ€Nanopore Arrays for Liquid Reprography. Advanced Functional Materials, 2011, 21, 4519-4526.	14.9	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.	8.0	35
161	Swarm Intelligenceâ€Inspired Spontaneous Fabrication of Optimal Interconnect at the Micro/Nanoscale. Advanced Materials, 2017, 29, 1605223.	21.0	35
162	Steerable Droplet Bouncing for Precise Materials Transportation. Advanced Materials Interfaces, 2019, 6, 1901033.	3.7	35

#	Article	IF	CITATIONS
163	Bioinspired Patterned Bubbles for Broad and Low-Frequency Acoustic Blocking. ACS Applied Materials & Interfaces, 2020, 12, 1757-1764.	8.0	35
164	Programmed Coassembly of One-Dimensional Binary Superstructures by Liquid Soft Confinement. Journal of the American Chemical Society, 2018, 140, 18-21.	13.7	34
165	Trihydrazine Dihydriodideâ€Assisted Fabrication of Efficient Formamidinium Tin Iodide Perovskite Solar Cells. Solar Rrl, 2019, 3, 1900285.	5.8	34
166	Elaborately Aligning Bead‣haped Nanowire Arrays Generated by a Superhydrophobic Micropillar Guiding Strategy. Advanced Functional Materials, 2012, 22, 4569-4576.	14.9	33
167	Graphene Oxide Restricts Growth and Recrystallization of Ice Crystals. Angewandte Chemie, 2017, 129, 1017-1021.	2.0	33
168	Fabrication of Bendable Circuits on a Polydimethylsiloxane (PDMS) Surface by Inkjet Printing Semi-Wrapped Structures. Materials, 2016, 9, 253.	2.9	32
169	Breaking the symmetry to suppress the Plateau–Rayleigh instability and optimize hydropower utilization. Nature Communications, 2021, 12, 6899.	12.8	32
170	Color-tunable and highly solid emissive AIE molecules: synthesis, photophysics, data storage and biological application. Journal of Materials Chemistry C, 2015, 3, 3445-3451.	5.5	31
171	A Rainbow Structural olor Chip for Multisaccharide Recognition. Angewandte Chemie, 2016, 128, 7025-7028.	2.0	31
172	A non-planar pentaphenylbenzene functionalized benzo[2,1,3]thiadiazole derivative as a novel red molecular emitter for non-doped organic light-emitting diodes. Journal of Materials Chemistry, 2008, 18, 2709.	6.7	30
173	A heatable and evaporation-free miniature reactor upon superhydrophobic pedestals. Soft Matter, 2012, 8, 631-635.	2.7	30
174	Controllable printing of large-scale compact perovskite films for flexible photodetectors. Nano Research, 2022, 15, 1547-1553.	10.4	30
175	Three dimensional MOF–sponge for fast dynamic adsorption. Physical Chemistry Chemical Physics, 2017, 19, 5746-5752.	2.8	29
176	Spider-web inspired multi-resolution graphene tactile sensor. Chemical Communications, 2018, 54, 4810-4813.	4.1	29
177	Plasmonic Biomimetic Nanocomposite with Spontaneous Subwavelength Structuring as Broadband Absorbers. ACS Energy Letters, 2018, 3, 1578-1583.	17.4	29
178	Luminescence Ratiometric Nanothermometry Regulated by Tailoring Annihilators of Triplet–Triplet Annihilation Upconversion Nanomicelles. Angewandte Chemie - International Edition, 2021, 60, 26725-26733.	13.8	29
179	Patterning liquids on inkjet-imprinted surfaces with highly adhesive superhydrophobicity. Nanoscale, 2016, 8, 9556-9562.	5.6	28
180	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

#	Article	IF	CITATIONS
181	A non-planar organic molecule with non-volatile electrical bistability for nano-scale data storage. Journal of Materials Chemistry, 2007, 17, 3530.	6.7	27
182	Aquatic plant inspired hierarchical artificial leaves for highly efficient photocatalysis. Journal of Materials Chemistry A, 2013, 1, 7760.	10.3	27
183	Precise Assembly of Particles for Zigzag or Linear Patterns. Angewandte Chemie - International Edition, 2017, 56, 15348-15352.	13.8	27
184	Cascadeâ€Microphaseâ€Separationâ€Induced Hierarchical Photonic Structures in Supramolecular Organogel for Deformationâ€Insensitive Structural Colors. Advanced Optical Materials, 2019, 7, 1801749.	7.3	27
185	Inkjet Printed Physicallyâ€Unclonable Structuralâ€Color Anticounterfeiting Labels with Convenient Artificial Intelligence Authentication. Advanced Materials Interfaces, 2021, 8, 2101281.	3.7	27
186	Ultrahigh density data storage based on organic materials with SPM techniques. Journal of Materials Chemistry, 2011, 21, 3522-3533.	6.7	26
187	Photo-induced amplification of readout contrast in nanoscale data storage. Journal of Materials Chemistry, 2012, 22, 4299.	6.7	26
188	Guided Selfâ€Propelled Leaping of Droplets on a Microâ€Anisotropic Superhydrophobic Surface. Angewandte Chemie, 2016, 128, 4337-4341.	2.0	26
189	Selfâ€Healable Organogel Nanocomposite with Angleâ€Independent Structural Colors. Angewandte Chemie, 2017, 129, 10598-10602.	2.0	26
190	Printing 1D Assembly Array of Single Particle Resolution for Magnetosensing. Small, 2018, 14, e1800117.	10.0	26
191	A Butterflyâ€Inspired Hierarchical Lightâ€Trapping Structure towards a Highâ€Performance Polarizationâ€Sensitive Perovskite Photodetector. Angewandte Chemie, 2019, 131, 16608-16614.	2.0	26
192	Lowâ€Dimensional Dion–Jacobsonâ€Phase Leadâ€Free Perovskites for Highâ€Performance Photovoltaics with Improved Stability. Angewandte Chemie, 2020, 132, 6976-6981.	2.0	26
193	Printed Nanochainâ€Based Colorimetric Assay for Quantitative Virus Detection. Angewandte Chemie - International Edition, 2021, 60, 24234-24240.	13.8	26
194	Flexible and Wearable Optoelectronic Devices Based on Perovskites. Advanced Materials Technologies, 2022, 7, .	5.8	26
195	Large-area, crack-free polysilazane-based photonic crystals. Journal of Materials Chemistry, 2012, 22, 5300.	6.7	25
196	Plasmonic cooperation effect of metal nanomaterials at Au–TiO ₂ –Ag interface to enhance photovoltaic performance for dye-sensitized solar cells. RSC Advances, 2015, 5, 210-214.	3.6	25
197	Rayleigh Instability-Assisted Satellite Droplets Elimination in Inkjet Printing. ACS Applied Materials & Interfaces, 2017, 9, 41521-41528.	8.0	25
198	A Novel Strategy for Scalable Highâ€Efficiency Planar Perovskite Solar Cells with New Precursors and Cation Displacement Approach. Advanced Materials, 2018, 30, e1804454.	21.0	25

#	Article	IF	CITATIONS
199	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
200	Microâ€Nano Structure Functionalized Perovskite Optoelectronics: From Structure Functionalities to Device Applications. Advanced Functional Materials, 2022, 32, .	14.9	25
201	High-performance optoelectrical dual-mode memory based on spiropyran-containing polyimide. Applied Physics Letters, 2010, 97, .	3.3	24
202	Flexible Au nanoparticle arrays induced metal-enhanced fluorescence towards pressure sensors. Journal of Materials Chemistry, 2011, 21, 5234.	6.7	24
203	Enhanced Efficiency of Perovskite Solar Cells by using Core–Ultrathin Shell Structure Ag@SiO ₂ Nanowires as Plasmonic Antennas. Advanced Electronic Materials, 2017, 3, 1700169.	5.1	24
204	Viscosity of interfacial water regulates ice nucleation. Applied Physics Letters, 2014, 104, .	3.3	23
205	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
206	A Diverse Micromorphology of Photonic Crystal Chips for Multianalyte Sensing. Small, 2021, 17, e2006723.	10.0	23
207	Suppressing the Step Effect of 3D Printing for Constructing Contact Lenses. Advanced Materials, 2022, 34, e2107249.	21.0	23
208	Precise Droplet Manipulation Based on Surface Heterogeneity. Accounts of Materials Research, 2021, 2, 230-241.	11.7	22
209	Fabricating flexible conductive structures by printing techniques and printable conductive materials. Journal of Materials Chemistry C, 2022, 10, 9441-9464.	5.5	22
210	Bioinspired Lotus-like Self-Illuminous Coating. ACS Applied Materials & Interfaces, 2015, 7, 18424-18428.	8.0	21
211	Formation of Multicomponent Sizeâ€Sorted Assembly Patterns by Tunable Templated Dewetting. Angewandte Chemie - International Edition, 2018, 57, 16126-16130.	13.8	21
212	Low-temperature processed tantalum/niobium co-doped TiO ₂ electron transport layer for high-performance planar perovskite solar cells. Nanotechnology, 2021, 32, 245201.	2.6	21
213	Improving the luminescence performance of quantum dot-based photonic crystals for white-light emission. Journal of Materials Chemistry C, 2016, 4, 39-44.	5.5	20
214	A general strategy for printing colloidal nanomaterials into one-dimensional micro/nanolines. Nanoscale, 2018, 10, 22374-22380.	5.6	20
215	From 2D to 3D: a facile and effective procedure for fabrication of planar CH ₃ NH ₃ Pbl ₃ perovskite solar cells. Journal of Materials Chemistry A, 2018, 6, 17867-17873.	10.3	20
216	pH-responsive dual fluorescent core–shell microspheres fabricated via a one-step emulsion polymerization. Journal of Materials Chemistry C, 2013, 1, 3802.	5.5	19

#	Article	IF	CITATIONS
217	Improving the photo current of the [60]PCBM/P3HT photodetector device by using wavelength-matched photonic crystals. Journal of Materials Chemistry C, 2014, 2, 1500.	5.5	19
218	Preparation of Patterned Ultrathin Polymer Films. Langmuir, 2014, 30, 9436-9441.	3.5	19
219	The Ag shell thickness effect of Au@Ag@SiO ₂ core–shell nanoparticles on the optoelectronic performance of dye sensitized solar cells. Chemical Communications, 2016, 52, 2390-2393.	4.1	19
220	Bioinspired Synergy Sensor Chip of Photonic Crystals-Graphene Oxide for Multiamines Recognition. Analytical Chemistry, 2018, 90, 6371-6375.	6.5	19
221	A stimuli responsive triplet–triplet annihilation upconversion system and its application as a ratiometric sensor for Fe ³⁺ ions. RSC Advances, 2019, 9, 36410-36415.	3.6	19
222	Magnetic-actuated "capillary container―for versatile three-dimensional fluid interface manipulation. Science Advances, 2021, 7, .	10.3	19
223	Tunning Intermolecular Interaction of Peptide-Conjugated AlEgen in Nano-Confined Space for Quantitative Detection of Tumor Marker Secreted from Cells. Analytical Chemistry, 2021, 93, 16257-16263.	6.5	19
224	FAPbI ₃ Perovskite Solar Cells: From Film Morphology Regulation to Device Optimization. Solar Rrl, 2022, 6, .	5.8	19
225	Bioinspired light-driven photonic crystal actuator with MXene-hydrogel muscle. Cell Reports Physical Science, 2022, 3, 100915.	5.6	19
226	Toward High Sensitivity: Perspective on Colorimetric Photonic Crystal Sensors. Analytical Chemistry, 2022, 94, 9497-9507.	6.5	19
227	Wetting of Inkjet Polymer Droplets on Porous Alumina Substrates. Langmuir, 2017, 33, 130-137.	3.5	18
228	A green solvent for operating highly efficient low-power photon upconversion in air. Physical Chemistry Chemical Physics, 2019, 21, 14516-14520.	2.8	18
229	Releasing Nanocapsules for Highâ€Throughput Printing of Stable Perovskite Solar Cells. Advanced Energy Materials, 2021, 11, 2101291.	19.5	18
230	Highly oriented quasi-2D layered tin halide perovskites with 2-thiopheneethylammonium iodide for efficient and stable tin perovskite solar cells. New Journal of Chemistry, 2022, 46, 2259-2265.	2.8	18
231	A general method for growth of perovskite single-crystal arrays for high performance photodetectors. Nano Research, 2022, 15, 6568-6573.	10.4	18
232	Cracking enabled unclonability in colloidal crystal patterns authenticated with computer vision. Nanoscale, 2022, 14, 8833-8841.	5.6	18
233	Micropatterning of polydiacetylene based on a photoinduced chromatic transition and mechanism study. Journal of Applied Polymer Science, 2007, 103, 942-946.	2.6	17
234	Tailored Porphyrin Assembly at the Oil–Aqueous Interface Based on the Receding of Threeâ€Phase Contact Line of Droplet Template. Advanced Materials Interfaces, 2015, 2, 1400365.	3.7	17

#	Article	IF	CITATIONS
235	Bioinspired Antiâ€Moiré Random Grids via Patterning Foams. Advanced Optical Materials, 2017, 5, 1700751.	7.3	17
236	A facile fabrication strategy for anisotropic photonic crystals using deformable spherical nanoparticles. Nanoscale, 2019, 11, 14147-14154.	5.6	17
237	Nonâ€Lithography Hydrodynamic Printing of Micro/Nanostructures on Curved Surfaces. Angewandte Chemie - International Edition, 2020, 59, 14234-14240.	13.8	17
238	From Structural Design to Functional Construction: Amine Molecules in Highâ€Performance Formamidiniumâ€Based Perovskite Solar Cells. Angewandte Chemie, 2022, 134, .	2.0	17
239	Amphoteric polymeric photonic crystal with U-shaped pH response developed by intercalation polymerization. Soft Matter, 2011, 7, 4156.	2.7	16
240	Photonic crystal boosted chemiluminescence reaction. Laser and Photonics Reviews, 2013, 7, L39-L43.	8.7	16
241	Sliding three-phase contact line of printed droplets for single-crystal arrays. Nanotechnology, 2016, 27, 184002.	2.6	16
242	Evaporation Induced Spontaneous Microâ€Vortexes through Engineering of the Marangoni Flow. Angewandte Chemie - International Edition, 2020, 59, 23684-23689.	13.8	16
243	Inkjet Printing of a Micro/Nanopatterned Surface to Serve as Microreactor Arrays. ACS Applied Materials & Interfaces, 2020, 12, 30962-30971.	8.0	16
244	Enhanced sensitivity in a Hg2+ sensor by photonic crystals. Analytical Methods, 2010, 2, 448.	2.7	15
245	Interfacial Effect of Novel Core–Triple Shell Structured Au@SiO ₂ @Ag@SiO ₂ with Ultrathin SiO ₂ Passivation Layer between the Metal Interfaces on Efficient Dyeâ€Sensitized Solar Cells. Advanced Materials Interfaces, 2015, 2, 1500383.	3.7	15
246	Marangoni Flow Manipulated Concentric Assembly of Cellulose Nanocrystals. Small Methods, 2021, 5, e2100690.	8.6	15
247	Lotus Metasurface for Wide-Angle Intermediate-Frequency Water–Air Acoustic Transmission. ACS Applied Materials & Interfaces, 2021, 13, 53242-53251.	8.0	15
248	Reversible gold nanorod assembly triggered by pH-responsive DNA nanomachine. Applied Physics Letters, 2013, 102, .	3.3	14
249	Gas–solid reaction for in situ deposition of Cu ₃ SbS ₄ on a mesoporous TiO ₂ film. RSC Advances, 2017, 7, 41540-41545.	3.6	14
250	Omnidirectional Photodetectors Based on Spatial Resonance Asymmetric Facade via a 3D Self‣tanding Strategy. Advanced Materials, 2020, 32, e1907280.	21.0	14
251	A Bubbleâ€Assisted Approach for Patterning Nanoscale Molecular Aggregates. Angewandte Chemie - International Edition, 2021, 60, 16547-16553.	13.8	14
252	Droplet Manipulation and Crystallization Regulation in Inkjet-Printed Perovskite Film Formation. CCS Chemistry, 2022, 4, 1465-1485.	7.8	14

#	Article	IF	CITATIONS
253	A Direct Writing Approach for Organic Semiconductor Singleâ€Crystal Patterns with Unique Orientation. Advanced Materials, 2022, 34, e2200928.	21.0	14
254	Novel Thermally Stable Single-Component Organic-Memory Cell Based on Oxotitanium Phthalocyanine Material. IEEE Electron Device Letters, 2009, 30, 931-933.	3.9	13
255	Distinct electronic switching behaviors of triphenylamine-containing polyimide memories with different bottom electrodes. Applied Physics Letters, 2010, 96, 213305.	3.3	13
256	Reversibly phototunable TiO2 photonic crystal modulated by Ag nanoparticles' oxidation/reduction. Applied Physics Letters, 2011, 98, .	3.3	13
257	Temperature-controlled morphology evolution of porphyrin nanostructures at an oil–aqueous interface. Journal of Materials Chemistry C, 2015, 3, 2445-2449.	5.5	13
258	Designing Laplace Pressure Pattern for Microdroplet Manipulation. Langmuir, 2018, 34, 639-645.	3.5	13
259	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
260	Tunable Fluid-Type Metasurface for Wide-Angle and Multifrequency Water-Air Acoustic Transmission. Research, 2021, 2021, 9757943.	5.7	13
261	Strong Photonicâ€Bandâ€Gap Effect on the Spontaneous Emission in 3D Lead Halide Perovskite Photonic Crystals. ChemPhysChem, 2018, 19, 2101-2106.	2.1	12
262	Slot-Waveguide Silicon Nitride Organic Hybrid Distributed Feedback Laser. Scientific Reports, 2019, 9, 18438.	3.3	12
263	Heterogeneous Integration of Three-Primary-Color Photoluminescent Nanoparticle Arrays with Defined Interfaces. ACS Applied Materials & Interfaces, 2019, 11, 1616-1623.	8.0	12
264	Methylamine-assisted secondary grain growth for CH ₃ NH ₃ PbI ₃ perovskite films with large grains and a highly preferred orientation. Journal of Materials Chemistry A, 2021, 9, 7625-7630.	10.3	12
265	Skin-Driven Ultrasensitive Mechanoluminescence Sensor Inspired by Spider Leg Joint Slits. ACS Applied Materials & Interfaces, 2021, 13, 60689-60696.	8.0	12
266	A facile method of shielding from UV damage by polymer photonic crystals. Polymer International, 2008, 57, 509-514.	3.1	11
267	Effects of diazonaphthoquinone groups on photosensitive coating. Journal of Applied Polymer Science, 2010, 117, 2360-2365.	2.6	11
268	Enhanced nanoparticle-oligonucleotide conjugates for DNA nanomachine controlled surface-enhanced Raman scattering switch. Applied Physics Letters, 2011, 98, 133704.	3.3	11
269	Bioinspired photonic structures by the reflector layer of firefly lantern for highly efficient chemiluminescence. Scientific Reports, 2015, 5, 12965.	3.3	11
270	Recent Advances in Multicomponent Particle Assembly. Chemistry - A European Journal, 2018, 24, 16196-16208.	3.3	11

#	Article	IF	CITATIONS
271	Patterned flexible graphene sensor <i>via</i> printing and interface assembly. Journal of Materials Chemistry C, 2019, 7, 6317-6322.	5.5	11
272	A Cationâ€Exchange Approach for the Fabrication of Efficient Methylammonium Tin lodide Perovskite Solar Cells. Angewandte Chemie, 2019, 131, 6760-6764.	2.0	11
273	Wafer-scale single crystals: crystal growth mechanisms, fabrication methods, and functional applications. Journal of Materials Chemistry C, 2021, 9, 7829-7851.	5.5	11
274	Surface arrangement of azobenzene moieties in two different azobenzene-derived Langmiur–Blodgett films. Surface and Interface Analysis, 2006, 38, 1343-1347.	1.8	10
275	Stable and reversible optoelectrical dual-mode data storage based on a ferrocenlylspiropyran molecule. Applied Physics Letters, 2009, 95, 183307.	3.3	10
276	Influence of Deoxyribose Group on Self-Assembly of Thymidine on Au(111). Journal of Physical Chemistry C, 2009, 113, 17590-17594.	3.1	10
277	Recent research progress in wettability of colloidal crystals. Science China Chemistry, 2010, 53, 318-326.	8.2	10
278	A co-assembly system of an aromatic donor and acceptor: charge transfer, electric bistability and photoconductivity. New Journal of Chemistry, 2010, 34, 2530.	2.8	10
279	Enhanced light extraction by heterostructure photonic crystals toward white-light-emission. Journal of Colloid and Interface Science, 2016, 465, 42-46.	9.4	10
280	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
281	Inhibited-nanophase-separation modulated polymerization for recoverable ultrahigh-strain biobased shape memory polymers. Materials Horizons, 2020, 7, 2760-2767.	12.2	10
282	A fluid-guided printing strategy for patterning high refractive index photonic microarrays. Science Bulletin, 2021, 66, 250-256.	9.0	10
283	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
284	Capillary force restoration of droplet on superhydrophobic ribbed nano-needles arrays. Soft Matter, 2010, 6, 2470.	2.7	9
285	pH-Responsive nano sensing valve with self-monitoring state property based on hydrophobicity switching. RSC Advances, 2016, 6, 52292-52299.	3.6	9
286	Microfiberâ€Knitted Crossweave Patterns for Multiresolution Physical Kineses Analysis Electronics. Advanced Materials Technologies, 2018, 3, 1800107.	5.8	9
287	Printed Highâ€Density and Flexible Photodetector Arrays via Sizeâ€matched Heterogeneous Microâ€∤Nanostructure. Advanced Optical Materials, 2020, 8, 2000370.	7.3	9
288	Vapor-induced marangoni coating for organic functional films. Journal of Materials Chemistry C, 2021, 9, 17518-17525.	5.5	9

#	Article	IF	CITATIONS
289	Active Matrix Flexible Sensory Systems: Materials, Design, Fabrication, and Integration. Advanced Intelligent Systems, 2022, 4, .	6.1	9
290	A high ON/OFF ratio organic film for photo- and electro-dual-mode recording. Applied Physics Letters, 2009, 94, 163309.	3.3	8
291	Surface-mediated buckling of core–shell spheres for the formation of oriented anisotropic particles with tunable morphologies. Soft Matter, 2013, 9, 2589.	2.7	8
292	Patterned liquid permeation through the TiO2 nanotube array coated Ti mesh by photoelectric cooperation for liquid printing. Journal of Materials Chemistry A, 2014, 2, 2498.	10.3	8
293	Patterned Arrays of Functional Lateral Heterostructures via Sequential Templateâ€Directed Printing. Small, 2018, 14, e1800792.	10.0	8
294	Fully Printed Flexible Crossbar Memory Devices with Tipâ€Enhanced Micro/Nanostructures. Advanced Electronic Materials, 2019, 5, 1900131.	5.1	8
295	Vapor-Induced Liquid Collection and Microfluidics on Superlyophilic Substrates. ACS Applied Materials & amp; Interfaces, 2021, 13, 3454-3462.	8.0	8
296	Inkjet printing porous graphene/silver flexible electrode with enhanced electrochemical performance based on vapor phase reduction. Journal of Materials Science: Materials in Electronics, 2020, 31, 10795-10802.	2.2	8
297	Enhanced Flexibility of the Segmented Honey Bee Tongue with Hydrophobic Tongue Hairs. ACS Applied Materials & Interfaces, 2022, 14, 12911-12919.	8.0	8
298	Waterâ€Dispersing Perovskite Probes for the Rapid Imaging of Glioma Cells. Advanced Optical Materials, 2022, 10, .	7.3	8
299	High effective sensors based on photonic crystals. Frontiers of Chemistry in China: Selected Publications From Chinese Universities, 2010, 5, 115-122.	0.4	7
300	Organic dye-sensitized sponge-like TiO ₂ photoanode for dye-sensitized solar cells. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2013, 371, 20120314.	3.4	7
301	A novel method for fabrication of CdS quantum dot-sensitized solar cells. Journal of Materials Science: Materials in Electronics, 2017, 28, 14103-14109.	2.2	7
302	Precise Assembly of Particles for Zigzag or Linear Patterns. Angewandte Chemie, 2017, 129, 15550-15554.	2.0	7
303	Tautomeric Molecule Acts as a "Sunscreen―for Metal Halide Perovskite Solar Cells. Angewandte Chemie, 2021, 133, 8755-8759.	2.0	7
304	Printed Nanochainâ€Based Colorimetric Assay for Quantitative Virus Detection. Angewandte Chemie, 2021, 133, 24436-24442.	2.0	7
305	Circular Subwavelength Photodetectors for 3D Space Exploration. Advanced Optical Materials, 2022, 10, .	7.3	7
306	Negative Refraction Acoustic Lens Based on Elastic Shell Encapsulated Bubbles. Advanced Materials Technologies, 2022, 7, .	5.8	7

#	Article	IF	CITATIONS
307	Nonâ€Hookean Droplet Spring for Enhancing Hydropower Harvest. Small, 2022, 18, e2200875.	10.0	7
308	All-printed point-of-care immunosensing biochip for one drop blood diagnostics. Lab on A Chip, 2022, 22, 3008-3014.	6.0	7
309	Electrical bistable behavior of an organic thin film through proton transfer. Applied Physics Letters, 2007, 90, 052111.	3.3	6
310	A white-lighting LED system with a highly efficient thin luminous film. Applied Physics A: Materials Science and Processing, 2010, 98, 85-90.	2.3	6
311	Patterning: Controllable Printing Droplets for High-Resolution Patterns (Adv. Mater. 40/2014). Advanced Materials, 2014, 26, 6983-6983.	21.0	6
312	Formation of Multicomponent Sizeâ€Sorted Assembly Patterns by Tunable Templated Dewetting. Angewandte Chemie, 2018, 130, 16358-16362.	2.0	6
313	Perovskite Solar Cells: Lowâ€Dimensional Perovskites with Diammonium and Monoammonium Alternant Cations for Highâ€Performance Photovoltaics (Adv. Mater. 35/2019). Advanced Materials, 2019, 31, 1970252.	21.0	6
314	Soft Acoustic Metamaterials: Bubble Architectures for Locally Resonant Acoustic Metamaterials (Adv.) Tj ETQq0 C) 0 rgBT /0 1499	Dverlock 10 T
315	Dynamic investigation of gas-releasing chemical reactions through a photonic crystal. Journal of Materials Chemistry C, 2020, 8, 12800-12805.	5.5	6
316	Flexible substrates enabled highly integrated patterns with submicron precision towardÂintrinsically stretchable circuits. SmartMat, 2022, 3, 503-512.	10.7	6
317	Printed Chalcogenide/Metal Heterostructured Photodetectors for Flexible Nearâ€Infrared Sensing. Advanced Optical Materials, 0, , 2200173.	7.3	6
318	Advanced unconventional techniques for subâ€100 nm nanopatterning. InformaÄnÃ-Materiály, 2022, 4, .	17.3	6
319	Nanostructural effects on optical properties of tungsten inverse opal. Applied Physics A: Materials Science and Processing, 2008, 93, 489-493.	2.3	5
320	Gas/liquid interfacial manipulation by electrostatic inducing for nano-resolution printed circuits. Journal of Materials Chemistry C, 2016, 4, 10847-10851.	5.5	5
321	A Voltageâ€Responsive Freeâ€Blockage Controlledâ€Release System Based on Hydrophobicity Switching. ChemPhysChem, 2017, 18, 1317-1323.	2.1	5
322	Patterning Bubbles by the Stick–Slip Motion of the Advancing Triple Phase Line on Nanostructures. Langmuir, 2018, 34, 15804-15811.	3.5	5
323	Droplet Precise Selfâ€Splitting on Patterned Adhesive Surfaces for Simultaneous Multidetection. Angewandte Chemie, 2020, 132, 10622-10626.	2.0	5
324	Bioinspired Color Switchable Photonic Crystal Silicone Elastomer Kirigami. Angewandte Chemie, 2021, 133, 14428-14433.	2.0	5

#	Article	IF	CITATIONS
325	Selfâ€Driven Droplet Vehicle for Material Patterning. Advanced Materials Interfaces, 2021, 8, 2101309.	3.7	5
326	Programming Hydrogels with Complex Transient Behaviors via Autocatalytic Cascade Reactions. ACS Applied Materials & Interfaces, 2022, 14, 20073-20082.	8.0	5
327	Directional Laser from Solutionâ€Grown Gratingâ€Patterned Perovskite Singleâ€Crystal Microdisks. Angewandte Chemie - International Edition, 2022, 61, .	13.8	5
328	Superoleophobic Surfaces: Bioinspired Design of a Superoleophobic and Low Adhesive Water/Solid Interface (Adv. Mater. 6/2009). Advanced Materials, 2009, 21, NA-NA.	21.0	4
329	Fabrication of Phase-Change Polymer Colloidal Photonic Crystals. Journal of Nanomaterials, 2014, 2014, 1-7.	2.7	4
330	Bio-inspired double-layer structure artificial microreactor with highly efficient light harvesting for photocatalysts. RSC Advances, 2015, 5, 11096-11100.	3.6	4
331	Inkjet Printing: Fabrication of Transparent Multilayer Circuits by Inkjet Printing (Adv. Mater. 7/2016). Advanced Materials, 2016, 28, 1523-1523.	21.0	4
332	Multi-Element Topochemical-Molten Salt Synthesis of One-Dimensional Piezoelectric Perovskite. IScience, 2019, 17, 1-9.	4.1	4
333	Fully Printed Geranium-Inspired Encapsulated Arrays for Quantitative Odor Releasing. ACS Omega, 2019, 4, 19977-19982.	3.5	4
334	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
335	Perovskite Solar Cells: Colorful Efficient Moiréâ€Perovskite Solar Cells (Adv. Mater. 15/2021). Advanced Materials, 2021, 33, 2170116.	21.0	4
336	Flexible transparent electrodes based on metallic micro–nano architectures for perovskite solar cells. Journal of Materials Chemistry C, 2022, 10, 2349-2363.	5.5	4
337	Stabilizing all-inorganic CsPbI ₃ perovskite films with polyacrylonitrile for photovoltaic solar cells. Energy Advances, 2022, 1, 62-66.	3.3	4
338	One-Pot Self-Assembly of Dual-Color Domes Using Mono-Sized Silica Nanoparticles. Nano Letters, 2022, 22, 5236-5243.	9.1	4
339	The interaction of a novel ruthenium (II) complex with self-assembled DNA film on silicon surface. Surface and Interface Analysis, 2006, 38, 1372-1376.	1.8	3
340	HIGH DENSITY MAGNETIC DATA STORAGE. , 2009, , 1-68.		3
341	Stretching Velocityâ€Dependent Dynamic Adhesion of the Water/Oil Interfaces for High Quality Lithographic Printing. Advanced Materials Interfaces, 2014, 1, 1400080.	3.7	3
342	Small molecular thienoquinoidal dyes as electron donors for solution processable organic photovoltaic cells. RSC Advances, 2015, 5, 76666-76669.	3.6	3

#	Article	IF	CITATIONS
343	Solar Cells: Diffractionâ€Grated Perovskite Induced Highly Efficient Solar Cells through Nanophotonic Light Trapping (Adv. Energy Mater. 12/2018). Advanced Energy Materials, 2018, 8, 1870052.	19.5	3
344	Structural Coloration: Highly Brilliant Noniridescent Structural Colors Enabled by Graphene Nanosheets Containing Graphene Quantum Dots (Adv. Funct. Mater. 29/2018). Advanced Functional Materials, 2018, 28, 1870198.	14.9	3
345	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
346	Self-Driven Multiplex Reaction: Reactant and Product Diffusion via a Transpiration-Inspired Capillary. ACS Applied Materials & Interfaces, 2021, 13, 22031-22039.	8.0	3
347	Enhancing efficiency and stability of perovskite solar cells <i>via in situ</i> incorporation of lead sulfide layer. Sustainable Energy and Fuels, 2021, 5, 3700-3704.	4.9	3
348	Implementing Contact Angle Hysteresis in Moving Mesh-Based Two-Phase Flow Numerical Simulations. ACS Omega, 2021, 6, 35711-35717.	3.5	3
349	Synthesis and thermal analysis of disubstituted propiolates bearing terphenylene mesogen. Journal of Thermal Analysis and Calorimetry, 2010, 99, 391-397.	3.6	2
350	Photonic Crystals: Inkjet Printing Patterned Photonic Crystal Domes for Wide Viewingâ€Angle Displays by Controlling the Sliding Three Phase Contact Line (Advanced Optical Materials 1/2014). Advanced Optical Materials, 2014, 2, 102-102.	7.3	2
351	A Selfâ€Growing Strategy for Largeâ€Scale Crystal Assembly Tubes. Chemistry - an Asian Journal, 2018, 13, 761-764.	3.3	2
352	Perovskite Solar Cells: Patterned Wettability Surface for Competitionâ€Driving Largeâ€Grained Perovskite Solar Cells (Adv. Energy Mater. 25/2019). Advanced Energy Materials, 2019, 9, 1970098.	19.5	2
353	Suppressing the Step Effect of 3D Printing for Constructing Contact Lenses (Adv. Mater. 4/2022). Advanced Materials, 2022, 34, .	21.0	2
354	Pen-writing high-quality perovskite films and degradable optoelectronic devices. RSC Advances, 2022, 12, 3924-3930.	3.6	2
355	Progress in materials and technologies for ultrahigh density data storage*. Progress in Natural Science: Materials International, 2003, 13, 247-253.	4.4	1
356	OPTICAL DATA STORAGE FOR THE FUTURE. , 2009, , 69-135.		1
357	Rücktitelbild: High-Temperature Wetting Transition on Micro- and Nanostructured Surfaces (Angew.) Tj ETQq1	1.0.7843 2.0	14 rgBT /Ov
358	Lithographic Printing: Stretching Velocityâ€Dependent Dynamic Adhesion of the Water/Oil Interfaces for High Quality Lithographic Printing (Adv. Mater. Interfaces 6/2014). Advanced Materials Interfaces, 2014, 1, .	3.7	1
359	Quantum Dots: Patterning Fluorescent Quantum Dot Nanocomposites by Reactive Inkjet Printing (Small 14/2015). Small, 2015, 11, 1614-1614.	10.0	1
360	Micropatterning: Direct Writing of Patterned, Leadâ€Free Nanowire Aligned Flexible Piezoelectric Device (Adv. Sci. 8/2016). Advanced Science, 2016, 3, .	11.2	1

#	Article	IF	CITATIONS
361	Single Crystals: Directâ€Writing Multifunctional Perovskite Single Crystal Arrays by Inkjet Printing (Small 8/2017). Small, 2017, 13, .	10.0	1
362	Domino Patterning of Water and Oil Induced by Emulsion Breaking. ACS Applied Materials & Interfaces, 2019, 11, 17960-17967.	8.0	1
363	Evaporation Induced Spontaneous Microâ€Vortexes through Engineering of the Marangoni Flow. Angewandte Chemie, 2020, 132, 23892-23897.	2.0	1
364	Fabrication of the Silver Grids by Interfacial Interaction. Advanced Engineering Materials, 0, , 2100901.	3.5	1
365	Nanoparticle Assembly: Printable Functional Chips Based on Nanoparticle Assembly (Small 4/2017). Small, 2017, 13, .	10.0	1
366	A Coloration Biochip for Optical Virus Detection Based on Printed Single Nanoparticle Array. Advanced Materials Interfaces, 2022, 9, .	3.7	1
367	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
368	All-printed nanophotonic biochip for point-of-care testing of biomarkers. Science Bulletin, 2022, 67, 1191-1191.	9.0	1
369	Macromol. Rapid Commun. 7/2009. Macromolecular Rapid Communications, 2009, 30, NA-NA.	3.9	0
370	Macromol. Rapid Commun. 20/2009. Macromolecular Rapid Communications, 2009, 30, .	3.9	0
371	Investigation of thermally robust single-component resistive switching organic memory cell. , 2009, , .		0
372	Macromol. Rapid Commun. 16/2010. Macromolecular Rapid Communications, 2010, 31, n/a-n/a.	3.9	0
373	Organic optical/electrical functional thin films. , 2010, , .		0
374	Patterning Crystal Arrays: "Clinging-Microdroplet―Patterning Upon High-Adhesion, Pillar-Structured Silicon Substrates (Adv. Funct. Mater. 17/2011). Advanced Functional Materials, 2011, 21, n/a-n/a.	14.9	0
375	Back Cover: High-Temperature Wetting Transition on Micro- and Nanostructured Surfaces (Angew.) Tj ETQq1 1 C).784314 13.8	rgBT /Overloc
376	Nanoparticles: A General Strategy for Assembling Nanoparticles in One Dimension (Adv. Mater.) Tj ETQq0 0 0 rgE	3T /Overlo 21.0	ck 10 Tf 50 1
377	Photonic Crystals: Hydrophilic-Hydrophobic Patterned Molecularly Imprinted Photonic Crystal Sensors for High-Sensitive Colorimetric Detection of Tetracycline (Small 23/2015). Small, 2015, 11, 2828-2828.	10.0	0
378	Oil Droplets: Manipulating Oil Droplets by Superamphiphobic Nozzle (Small 37/2015). Small, 2015, 11, 4988-4988.	10.0	0

#	Article	IF	CITATIONS
379	Asymmetric Dewetting: Printing Patterned Fine 3D Structures by Manipulating the Three Phase Contact Line (Adv. Funct. Mater. 15/2015). Advanced Functional Materials, 2015, 25, 2344-2344.	14.9	0
380	Advanced Nanoscale Materials for Ink Manufacture. , 2016, , 67-85.		0
381	Frontispiece: Recent Advances in Multicomponent Particle Assembly. Chemistry - A European Journal, 2018, 24, .	3.3	0
382	Bioassays: Bioinspired Micropatterned Superhydrophilic Au-Areoles for Surface-Enhanced Raman Scattering (SERS) Trace Detection (Adv. Funct. Mater. 21/2018). Advanced Functional Materials, 2018, 28, 1870144.	14.9	0
383	31â€1: <i>Invited Paper:</i> Green Printing Technology for Manufacturing Functional Devices. Digest of Technical Papers SID International Symposium, 2018, 49, 395-396.	0.3	0
384	Layerâ€byâ€Layer Printing: A General Layerâ€byâ€Layer Printing Method for Scalable Highâ€Resolution Fullâ€Col Flexible Luminescent Patterns (Advanced Optical Materials 12/2019). Advanced Optical Materials, 2019, 7, 1970045.	or 7.3	0
385	Deformationâ€Insensitive Structural Colors: Cascadeâ€Microphaseâ€5eparationâ€Induced Hierarchical Photonic Structures in Supramolecular Organogel for Deformationâ€Insensitive Structural Colors (Advanced Optical Materials 6/2019). Advanced Optical Materials, 2019, 7, 1970024.	7.3	0
386	Frontispiz: Nonâ€Lithography Hydrodynamic Printing of Micro/Nanostructures on Curved Surfaces. Angewandte Chemie, 2020, 132, .	2.0	0
387	Frontispiece: Nonâ€Lithography Hydrodynamic Printing of Micro/Nanostructures on Curved Surfaces. Angewandte Chemie - International Edition, 2020, 59, .	13.8	0
388	Nonâ€Lithography Hydrodynamic Printing of Micro/Nanostructures on Curved Surfaces. Angewandte Chemie, 2020, 132, 14340-14346.	2.0	0
389	Rücktitelbild: Droplet Precise Selfâ€Splitting on Patterned Adhesive Surfaces for Simultaneous Multidetection (Angew. Chem. 26/2020). Angewandte Chemie, 2020, 132, 10754-10754.	2.0	0
390	Photodetectors: Omnidirectional Photodetectors Based on Spatial Resonance Asymmetric Facade via a 3D Self‣tanding Strategy (Adv. Mater. 16/2020). Advanced Materials, 2020, 32, 2070128.	21.0	0
391	Rücktitelbild: Tautomeric Molecule Acts as a "Sunscreen―for Metal Halide Perovskite Solar Cells (Angew. Chem. 16/2021). Angewandte Chemie, 2021, 133, 9228-9228.	2.0	0
392	Titelbild: Bioinspired Color Switchable Photonic Crystal Silicone Elastomer Kirigami (Angew. Chem.) Tj ETQq0 0 0	rgBT /Ove 2.0	rlock 10 Tf 5
393	A Bubbleâ€Assisted Approach for Patterning Nanoscale Molecular Aggregates. Angewandte Chemie, 2021, 133, 16683-16689.	2.0	0
394	Moiré Perovskite Photodetector toward High‣ensitive Digital Polarization Imaging (Adv. Energy) Tj ETQq0 0	0 fgBT /Ov	verlock 10 Tf
395	Luminescence Ratiometric Nanothermometry Regulated by Tailoring Annihilators of Tripletâ€Triplet Annihilation Upconversion Nanomicelles. Angewandte Chemie, 2021, 133, 26929	2.0	0

#	Article	IF	CITATIONS
397	HIGH DENSITY ELECTRICAL DATA STORAGE. , 2009, , 137-191.		0
398	A Photochromic Sensor Microchip for High-Performance Multiplex Metal Ion Detection. Methods in Molecular Biology, 2019, 2027, 49-59.	0.9	0
399	Marangoni Flow Manipulated Concentric Assembly of Cellulose Nanocrystals (Small Methods 11/2021). Small Methods, 2021, 5, 2170057.	8.6	0
400	Patterned macro-/microstructures based on colloidal droplets evaporation. , 2021, , .		0
401	Vacuumâ€Assisted Thermal Annealing of CsPbI ₃ for Highly Stable and Efficient Inorganic Perovskite Solar Cells. Angewandte Chemie, 0, , .	2.0	0
402	Directional Laser From Solutionâ€grown Gratingâ€patterned Perovskite Singleâ€crystal Microdisks. Angewandte Chemie, 0, , .	2.0	0