Huizeng Li

List of Publications by Year
in descending order

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		7251	14386
402	22,088	80	132
papers	citations	h-index	g-index

425	425	425	23259
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Bioinspired molecules design for bilateral synergistic passivation in buried interfaces of planar perovskite solar cells. Nano Research, 2022, 15, 1069-1078.	5.8	52
2	Controllable printing of large-scale compact perovskite films for flexible photodetectors. Nano Research, 2022, 15, 1547-1553.	5.8	30
3	Printable Smart Materials and Devices: Strategies and Applications. Chemical Reviews, 2022, 122, 5144-5164.	23.0	121
4	Flexible transparent electrodes based on metallic microâ€“nano architectures for perovskite solar cells. Journal of Materials Chemistry C, 2022, 10, 2349-2363.	2.7	4
5	Chargeâ€Carrier Transport in Quasiâ€2D Ruddlesdenâ€“Popper Perovskite Solar Cells. Advanced Materials, 2022, 34, e2106822.	11.1	74
6	Suppressing the Step Effect of 3D Printing for Constructing Contact Lenses. Advanced Materials, 2022, 34, e2107249.	11.1	23
7	Flexible and Wearable Optoelectronic Devices Based on Perovskites. Advanced Materials Technologies, 2022, 7, .	3.0	26
8	Bioinspired Quasiâ€3D Multiplexed Antiâ€Counterfeit Imaging via Selfâ€Assembled and Nanoimprinted Photonic Architectures. Advanced Materials, 2022, 34, e2107243.	11.1	70
9	Crystallization kinetics modulation and defect suppression of all-inorganic CsPbX₃ perovskite films. Energy and Environmental Science, 2022, 15, 413-438.	15.6	53
10	Suppressing the Step Effect of 3D Printing for Constructing Contact Lenses (Adv. Mater. 4/2022). Advanced Materials, 2022, 34, .	11.1	2
11	Droplet Manipulation and Crystallization Regulation in Inkjet-Printed Perovskite Film Formation. CCS Chemistry, 2022, 4, 1465-1485.	4.6	14
12	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.	1.4	18
13	Pen-writing high-quality perovskite films and degradable optoelectronic devices. RSC Advances, 2022, 12, 3924-3930.	1.7	2
14	Intrinsic carbon nanotube liquid crystalline elastomer photoactuators for high-definition biomechanics. Materials Horizons, 2022, 9, 1045-1056.	6.4	40
15	Stabilizing all-inorganic CsPbI₃ perovskite films with polyacrylonitrile for photovoltaic solar cells. Energy Advances, 2022, 1, 62-66.	1.4	4
16	Circular Subwavelength Photodetectors for 3D Space Exploration. Advanced Optical Materials, 2022, 10, .	3.6	7
17	A Coloration Biochip for Optical Virus Detection Based on Printed Single Nanoparticle Array. Advanced Materials Interfaces, 2022, 9, .	1.9	1
18	From Structural Design to Functional Construction: Amine Molecules in Highâ€Performance Formamidiniumâ€Based Perovskite Solar Cells. Angewandte Chemie, 2022, 134, .	1.6	17

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19	From Structural Design to Functional Construction: Amine Molecules in Highâ€Performance Formamidiumâ€Based Perovskite Solar Cells. Angewandte Chemie - International Edition, 2022, 61, .	7.2	63
20	Recent Progress in Responsive Structural Color. Journal of Physical Chemistry Letters, 2022, 13, 2885-2900.	2.1	38
21	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.	3.3	1
22	Enhanced Flexibility of the Segmented Honey Bee Tongue with Hydrophobic Tongue Hairs. ACS Applied Materials & Interfaces, 2022, 14, 12911-12919.	4.0	8
23	Negative Refraction Acoustic Lens Based on Elastic Shell Encapsulated Bubbles. Advanced Materials Technologies, 2022, 7, .	3.0	7
24	FAPbI₃ Perovskite Solar Cells: From Film Morphology Regulation to Device Optimization. Solar Rrl, 2022, 6, .	3.1	19
25	Reconfigurable Magnetic Liquid Metal Robot for High-Performance Droplet Manipulation. Nano Letters, 2022, 22, 2923-2933.	4.5	57
26	A Direct Writing Approach for Organic Semiconductor Singleâ€Crystal Patterns with Unique Orientation. Advanced Materials, 2022, 34, e2200928.	11.1	14
27	A general method for growth of perovskite single-crystal arrays for high performance photodetectors. Nano Research, 2022, 15, 6568-6573.	5.8	18
28	Flexible substrates enabled highly integrated patterns with submicron precision towardÂintrinsically stretchable circuits. SmartMat, 2022, 3, 503-512.	6.4	6
29	Nonâ€Hookean Droplet Spring for Enhancing Hydropower Harvest. Small, 2022, 18, e2200875.	5.2	7
30	Waterâ€Dispersing Perovskite Probes for the Rapid Imaging of Glioma Cells. Advanced Optical Materials, 2022, 10, .	3.6	8
31	Programming Hydrogels with Complex Transient Behaviors via Autocatalytic Cascade Reactions. ACS Applied Materials & Interfaces, 2022, 14, 20073-20082.	4.0	5
32	All-printed nanophotonic biochip for point-of-care testing of biomarkers. Science Bulletin, 2022, 67, 1191-1191.	4.3	1
33	Microâ€Nano Structure Functionalized Perovskite Optoelectronics: From Structure Functionalities to Device Applications. Advanced Functional Materials, 2022, 32, .	7.8	25
34	Cracking enabled unclonability in colloidal crystal patterns authenticated with computer vision. Nanoscale, 2022, 14, 8833-8841.	2.8	18
35	Active Matrix Flexible Sensory Systems: Materials, Design, Fabrication, and Integration. Advanced Intelligent Systems, 2022, 4, .	3.3	9
36	Advanced unconventional techniques for subâ€100â€‰nm nanopatterning. InformaÄnÃ-MateriÃ¡ly, 2022, 4, .	8.5	6

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37	Fabricating flexible conductive structures by printing techniques and printable conductive materials. Journal of Materials Chemistry C, 2022, 10, 9441-9464.	2.7	22
38	All-printed point-of-care immunosensing biochip for one drop blood diagnostics. Lab on A Chip, 2022, 22, 3008-3014.	3.1	7
39	One-Pot Self-Assembly of Dual-Color Domes Using Mono-Sized Silica Nanoparticles. Nano Letters, 2022, 22, 5236-5243.	4.5	4
40	Bioinspired light-driven photonic crystal actuator with MXene-hydrogel muscle. Cell Reports Physical Science, 2022, 3, 100915.	2.8	19
41	Micellar Ratiometric Fluorescent Blood pH Probe Based on Triplet-Sensitized Upconversion and Energy-Transfer Behaviors. Journal of Physical Chemistry Letters, 2022, 13, 5758-5765.	2.1	10
42	Directional Laser from Solutionâ€Grown Gratingâ€Patterned Perovskite Singleâ€Crystal Microdisks. Angewandte Chemie - International Edition, 2022, 61, .	7.2	5
43	Toward High Sensitivity: Perspective on Colorimetric Photonic Crystal Sensors. Analytical Chemistry, 2022, 94, 9497-9507.	3.2	19
44	A fluid-guided printing strategy for patterning high refractive index photonic microarrays. Science Bulletin, 2021, 66, 250-256.	4.3	10
45	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
46	Vapor-Induced Liquid Collection and Microfluidics on Superlyophilic Substrates. ACS Applied Materials & Interfaces, 2021, 13, 3454-3462.	4.0	8
47	Methylamine-assisted secondary grain growth for CH₃NH₃PbI₃ perovskite films with large grains and a highly preferred orientation. Journal of Materials Chemistry A, 2021, 9, 7625-7630.	5.2	12
48	Fabrication of Silver Mesh/Grid and Its Applications in Electronics. ACS Applied Materials & Interfaces, 2021, 13, 3493-3511.	4.0	36
49	Wafer-scale single crystals: crystal growth mechanisms, fabrication methods, and functional applications. Journal of Materials Chemistry C, 2021, 9, 7829-7851.	2.7	11
50	Designable structural coloration by colloidal particle assembly: from nature to artificial manufacturing. IScience, 2021, 24, 102121.	1.9	52
51	Tautomeric Molecule Acts as a â€œSunscreenâ€•for Metal Halide Perovskite Solar Cells. Angewandte Chemie, 2021, 133, 8755-8759.	1.6	7
52	Tautomeric Molecule Acts as a â€œSunscreenâ€•for Metal Halide Perovskite Solar Cells. Angewandte Chemie - International Edition, 2021, 60, 8673-8677.	7.2	67
53	Precise Droplet Manipulation Based on Surface Heterogeneity. Accounts of Materials Research, 2021, 2, 230-241.	5.9	22
54	RÃ¼cktitelbild: Tautomeric Molecule Acts as a â€œSunscreenâ€•for Metal Halide Perovskite Solar Cells (Angew. Chem. 16/2021). Angewandte Chemie, 2021, 133, 9228-9228.	1.6	0

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55	A Diverse Micromorphology of Photonic Crystal Chips for Multianalyte Sensing. Small, 2021, 17, e2006723.	5.2	23
56	Colorful Efficient MoirÃ©â€Perovskite Solar Cells. Advanced Materials, 2021, 33, e2008091.	11.1	37
57	Low-temperature processed tantalum/niobium co-doped TiO₂ electron transport layer for high-performance planar perovskite solar cells. Nanotechnology, 2021, 32, 245201.	1.3	21
58	Mechanically Robust and Flexible Perovskite Solar Cells via a Printable and Gelatinous Interface. ACS Applied Materials & Interfaces, 2021, 13, 19959-19969.	4.0	39
59	Perovskite Solar Cells: Colorful Efficient MoirÃ©â€Perovskite Solar Cells (Adv. Mater. 15/2021). Advanced Materials, 2021, 33, 2170116.	11.1	4
60	Bioinspired Color Switchable Photonic Crystal Silicone Elastomer Kirigami. Angewandte Chemie - International Edition, 2021, 60, 14307-14312.	7.2	66
61	Bioinspired Color Switchable Photonic Crystal Silicone Elastomer Kirigami. Angewandte Chemie, 2021, 133, 14428-14433.	1.6	5
62	Self-Driven Multiplex Reaction: Reactant and Product Diffusion via a Transpiration-Inspired Capillary. ACS Applied Materials & Interfaces, 2021, 13, 22031-22039.	4.0	3
63	Defect Passivation by a Dâ€“Aâ€“D Type Hole-Transporting Interfacial Layer for Efficient and Stable Perovskite Solar Cells. ACS Energy Letters, 2021, 6, 2030-2037.	8.8	50
64	MoirÃ© Perovskite Photodetector toward Highâ€Sensitive Digital Polarization Imaging. Advanced Energy Materials, 2021, 11, 2100742.	10.2	39
65	Titelbild: Bioinspired Color Switchable Photonic Crystal Silicone Elastomer Kirigami (Angew. Chem.) Tj ETQq1 1 0.784314 rgBT /Overlock	1.6	0
66	Design of Low Bandgap CsPb_{1â”’}_xSn_xI₂Br Perovskite Solar Cells with Excellent Phase Stability. Small, 2021, 17, e2101380.	5.2	42
67	A Bubbleâ€Assisted Approach for Patterning Nanoscale Molecular Aggregates. Angewandte Chemie - International Edition, 2021, 60, 16547-16553.	7.2	14
68	A Bubbleâ€Assisted Approach for Patterning Nanoscale Molecular Aggregates. Angewandte Chemie, 2021, 133, 16683-16689.	1.6	0
69	Releasing Nanocapsules for Highâ€Throughput Printing of Stable Perovskite Solar Cells. Advanced Energy Materials, 2021, 11, 2101291.	10.2	18
70	3D Printing a Biomimetic Bridgeâ€Arch Solar Evaporator for Eliminating Salt Accumulation with Desalination and Agricultural Applications. Advanced Materials, 2021, 33, e2102443.	11.1	172
71	MoirÃ© Perovskite Photodetector toward Highâ€Sensitive Digital Polarization Imaging (Adv. Energy) Tj ETQq1 1 0.784314 rgBT /Overlo	10.2	0
72	Magnetic-actuated â€œcapillary containerâ€• for versatile three-dimensional fluid interface manipulation. Science Advances, 2021, 7, .	4.7	19

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73	Printed Nanochainâ€Based Colorimetric Assay for Quantitative Virus Detection. Angewandte Chemie, 2021, 133, 24436-24442.	1.6	7
74	Selfâ€Driven Droplet Vehicle for Material Patterning. Advanced Materials Interfaces, 2021, 8, 2101309.	1.9	5
75	Printed Nanochainâ€Based Colorimetric Assay for Quantitative Virus Detection. Angewandte Chemie - International Edition, 2021, 60, 24234-24240.	7.2	26
76	Facile full-color printing with a single transparent ink. Science Advances, 2021, 7, eabh1992.	4.7	72
77	Marangoni Flow Manipulated Concentric Assembly of Cellulose Nanocrystals. Small Methods, 2021, 5, e2100690.	4.6	15
78	Tunable Fluid-Type Metasurface for Wide-Angle and Multifrequency Water-Air Acoustic Transmission. Research, 2021, 2021, 9757943.	2.8	13
79	Enhancing efficiency and stability of perovskite solar cells via in situ incorporation of lead sulfide layer. Sustainable Energy and Fuels, 2021, 5, 3700-3704.	2.5	3
80	From colloidal particles to photonic crystals: advances in self-assembly and their emerging applications. Chemical Society Reviews, 2021, 50, 5898-5951.	18.7	232
81	Luminescence Ratiometric Nanothermometry Regulated by Tailoring Annihilators of Tripletâ€Triplet Annihilation Upconversion Nanomicelles. Angewandte Chemie, 2021, 133, 26929.	1.6	0
82	Inkjet Printed Physicallyâ€Unclonable Structuralâ€Color Anticounterfeiting Labels with Convenient Artificial Intelligence Authentication. Advanced Materials Interfaces, 2021, 8, 2101281.	1.9	27
83	Luminescence Ratiometric Nanothermometry Regulated by Tailoring Annihilators of Tripletâ€“Triplet Annihilation Upconversion Nanomicelles. Angewandte Chemie - International Edition, 2021, 60, 26725-26733.	7.2	29
84	A Biomimetic Selfâ€Shield Interface for Flexible Perovskite Solar Cells with Negligible Lead Leakage. Advanced Functional Materials, 2021, 31, 2106460.	7.8	54
85	Lotus Metasurface for Wide-Angle Intermediate-Frequency Waterâ€“Air Acoustic Transmission. ACS Applied Materials & Interfaces, 2021, 13, 53242-53251.	4.0	15
86	Tunning Intermolecular Interaction of Peptide-Conjugated AIEgen in Nano-Confined Space for Quantitative Detection of Tumor Marker Secreted from Cells. Analytical Chemistry, 2021, 93, 16257-16263.	3.2	19
87	Marangoni Flow Manipulated Concentric Assembly of Cellulose Nanocrystals (Small Methods 11/2021). Small Methods, 2021, 5, 2170057.	4.6	0
88	Breaking the symmetry to suppress the Plateauâ€“Rayleigh instability and optimize hydropower utilization. Nature Communications, 2021, 12, 6899.	5.8	32
89	Patterned macro-/microstructures based on colloidal droplets evaporation. , 2021, , .		0
90	Vapor-induced marangoni coating for organic functional films. Journal of Materials Chemistry C, 2021, 9, 17518-17525.	2.7	9

#	Article	IF	Citations
91	Skin-Driven Ultrasensitive Mechanoluminescence Sensor Inspired by Spider Leg Joint Slits. ACS Applied Materials & Interfaces, 2021, 13, 60689-60696.	4.0	12
92	Implementing Contact Angle Hysteresis in Moving Mesh-Based Two-Phase Flow Numerical Simulations. ACS Omega, 2021, 6, 35711-35717.	1.6	3
93	Bioinspired Patterned Bubbles for Broad and Low-Frequency Acoustic Blocking. ACS Applied Materials & Interfaces, 2020, 12, 1757-1764.	4.0	35
94	Crack-free hematite inverse opal photo-anodes for enhancing photo-electrochemical water splitting. Journal of Materials Chemistry A, 2020, 8, 22929-22937.	5.2	25
95	Patterning a Superhydrophobic Area on a Facile Fabricated Superhydrophilic Layer Based on an Inkjet-Printed Water-Soluble Polymer Template. Langmuir, 2020, 36, 9952-9959.	1.6	28
96	Heterogeneous Wettability Surfaces: Principle, Construction, and Applications. Small Structures, 2020, 1, 2000028.	6.9	39
97	Inhibited-nanophase-separation modulated polymerization for recoverable ultrahigh-strain biobased shape memory polymers. Materials Horizons, 2020, 7, 2760-2767.	6.4	10
98	Ink Engineering of Inkjet Printing Perovskite. ACS Applied Materials & Interfaces, 2020, 12, 39082-39091.	4.0	85
99	Dynamic investigation of gas-releasing chemical reactions through a photonic crystal. Journal of Materials Chemistry C, 2020, 8, 12800-12805.	2.7	6
100	Evaporation Induced Spontaneous Microâ€Vortexes through Engineering of the Marangoni Flow. Angewandte Chemie, 2020, 132, 23892-23897.	1.6	1
101	Frontispiz: Nonâ€Lithography Hydrodynamic Printing of Micro/Nanostructures on Curved Surfaces. Angewandte Chemie, 2020, 132, .	1.6	0
102	Continuous 3D printing from one single droplet. Nature Communications, 2020, 11, 4685.	5.8	47
103	Evaporation Induced Spontaneous Microâ€Vortexes through Engineering of the Marangoni Flow. Angewandte Chemie - International Edition, 2020, 59, 23684-23689.	7.2	16
104	Frontispiece: Nonâ€Lithography Hydrodynamic Printing of Micro/Nanostructures on Curved Surfaces. Angewandte Chemie - International Edition, 2020, 59, .	7.2	0
105	Methylamine-assisted growth of uniaxial-oriented perovskite thin films with millimeter-sized grains. Nature Communications, 2020, 11, 5402.	5.8	71
106	Printed Highâ€Density and Flexible Photodetector Arrays via Sizeâ€matched Heterogeneous Microâ€/Nanostructure. Advanced Optical Materials, 2020, 8, 2000370.	3.6	9
107	Ring-Patterned Perovskite Single Crystals Fabricated by the Combination of Rigid and Flexible Templates. ACS Applied Materials & Interfaces, 2020, 12, 27786-27793.	4.0	3
108	Bio-inspired vertebral design for scalable and flexible perovskite solar cells. Nature Communications, 2020, 11, 3016.	5.8	173

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109	Nonâ€Lithography Hydrodynamic Printing of Micro/Nanostructures on Curved Surfaces. Angewandte Chemie - International Edition, 2020, 59, 14234-14240.	7.2	17
110	Nonâ€Lithography Hydrodynamic Printing of Micro/Nanostructures on Curved Surfaces. Angewandte Chemie, 2020, 132, 14340-14346.	1.6	0
111	RÃ¼cktitelbild: Droplet Precise Selfâ€Splitting on Patterned Adhesive Surfaces for Simultaneous Multidetection (Angew. Chem. 26/2020). Angewandte Chemie, 2020, 132, 10754-10754.	1.6	0
112	Inkjet Printing of a Micro/Nanopatterned Surface to Serve as Microreactor Arrays. ACS Applied Materials & Interfaces, 2020, 12, 30962-30971.	4.0	16
113	Controllable Growth of Highâ€Quality Inorganic Perovskite Microplate Arrays for Functional Optoelectronics. Advanced Materials, 2020, 32, e1908006.	11.1	66
114	Lowâ€Dimensional Dionâ€“Jacobsonâ€Phase Leadâ€Free Perovskites for Highâ€Performance Photovoltaics with Improved Stability. Angewandte Chemie - International Edition, 2020, 59, 6909-6914.	7.2	123
115	Lowâ€Dimensional Dionâ€“Jacobsonâ€Phase Leadâ€Free Perovskites for Highâ€Performance Photovoltaics with Improved Stability. Angewandte Chemie, 2020, 132, 6976-6981.	1.6	26
116	Controlling the film structure by regulating 2D Ruddlesdenâ€“Popper perovskite formation enthalpy for efficient and stable tri-cation perovskite solar cells. Journal of Materials Chemistry A, 2020, 8, 5874-5881.	5.2	23
117	Omnidirectional Photodetectors Based on Spatial Resonance Asymmetric Facade via a 3D Selfâ€Standing Strategy. Advanced Materials, 2020, 32, e1907280.	11.1	14
118	Programmable droplet manipulation by a magnetic-actuated robot. Science Advances, 2020, 6, eaay5808.	4.7	160
119	Droplet Precise Selfâ€Splitting on Patterned Adhesive Surfaces for Simultaneous Multidetection. Angewandte Chemie, 2020, 132, 10622-10626.	1.6	5
120	Droplet Precise Selfâ€Splitting on Patterned Adhesive Surfaces for Simultaneous Multidetection. Angewandte Chemie - International Edition, 2020, 59, 10535-10539.	7.2	65
121	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.	1.8	4
122	Fabricating High-Resolution Metal Pattern with Inkjet Printed Water-Soluble Sacrificial Layer. ACS Applied Materials & Interfaces, 2020, 12, 22108-22114.	4.0	37
123	Photodetectors: Omnidirectional Photodetectors Based on Spatial Resonance Asymmetric Facade via a 3D Selfâ€Standing Strategy (Adv. Mater. 16/2020). Advanced Materials, 2020, 32, 2070128.	11.1	0
124	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.	4.0	53
125	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.	1.1	8
126	Highly efficient three-dimensional solar evaporator for high salinity desalination by localized crystallization. Nature Communications, 2020, 11, 521.	5.8	348

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127	Graphene: Diversified Flexible 2D Material for Wearable Vital Signs Monitoring. Advanced Materials Technologies, 2019, 4, 1800574.	3.0	67
128	A Butterflyâ€Inspired Hierarchical Lightâ€Trapping Structure towards a Highâ€Performance Polarizationâ€Sensitive Perovskite Photodetector. Angewandte Chemie - International Edition, 2019, 58, 16456-16462.	7.2	67
129	All-printed 3D hierarchically structured cellulose aerogel based triboelectric nanogenerator for multi-functional sensors. Nano Energy, 2019, 63, 103885.	8.2	176
130	A facile fabrication strategy for anisotropic photonic crystals using deformable spherical nanoparticles. Nanoscale, 2019, 11, 14147-14154.	2.8	17
131	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.	10.2	2
132	Multi-Element Topochemical-Molten Salt Synthesis of One-Dimensional Piezoelectric Perovskite. IScience, 2019, 17, 1-9.	1.9	4
133	Lowâ€Dimensional Perovskites with Diammonium and Monoammonium Alternant Cations for Highâ€Performance Photovoltaics. Advanced Materials, 2019, 31, e1901966.	11.1	96
134	Waterâ€Resistant and Flexible Perovskite Solar Cells via a Glued Interfacial Layer. Advanced Functional Materials, 2019, 29, 1902629.	7.8	89
135	Trihydrazine Dihydriodideâ€Assisted Fabrication of Efficient Formamidinium Tin Iodide Perovskite Solar Cells. Solar Rrl, 2019, 3, 1900285.	3.1	34
136	Steerable Droplet Bouncing for Precise Materials Transportation. Advanced Materials Interfaces, 2019, 6, 1901033.	1.9	35
137	Bubble Architectures for Locally Resonant Acoustic Metamaterials. Advanced Functional Materials, 2019, 29, 1906984.	7.8	56
138	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.	11.1	6
139	A Butterflyâ€Inspired Hierarchical Lightâ€Trapping Structure towards a Highâ€Performance Polarizationâ€Sensitive Perovskite Photodetector. Angewandte Chemie, 2019, 131, 16608-16614.	1.6	26
140	Nacre-inspired crystallization and elastic â€œbrick-and-mortarâ€•structure for a wearable perovskite solar module. Energy and Environmental Science, 2019, 12, 979-987.	15.6	114
141	Cascadeâ€Microphaseâ€Separationâ€Induced Hierarchical Photonic Structures in Supramolecular Organogel for Deformationâ€Insensitive Structural Colors. Advanced Optical Materials, 2019, 7, 1801749.	3.6	27
142	Layerâ€byâ€Layer Printing: A General Layerâ€byâ€Layer Printing Method for Scalable Highâ€Resolution Fullâ€Color Flexible Luminescent Patterns (Advanced Optical Materials 12/2019). Advanced Optical Materials, 2019, 7, 1970045.	3.6	0
143	Patterned Wettability Surface for Competitionâ€Driving Largeâ€Grained Perovskite Solar Cells. Advanced Energy Materials, 2019, 9, 1900838.	10.2	44
144	A General Layerâ€byâ€Layer Printing Method for Scalable Highâ€Resolution Fullâ€Color Flexible Luminescent Patterns. Advanced Optical Materials, 2019, 7, 1900127.	3.6	13

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145	Patterned flexible graphene sensor via printing and interface assembly. Journal of Materials Chemistry C, 2019, 7, 6317-6322.	2.7	11
146	Improved film morphology of (CH3NH3)3Bi2I9 via cation displacement approach for lead-free perovskite solar cells. Journal of Materials Science, 2019, 54, 10371-10378.	1.7	10
147	A green solvent for operating highly efficient low-power photon upconversion in air. Physical Chemistry Chemical Physics, 2019, 21, 14516-14520.	1.3	18
148	Deformationâ€Insensitive Structural Colors: Cascadeâ€Microphaseâ€Separationâ€Induced Hierarchical Photonic Structures in Supramolecular Organogel for Deformationâ€Insensitive Structural Colors (Advanced Optical Materials 6/2019). Advanced Optical Materials, 2019, 7, 1970024.	3.6	0
149	Spontaneous droplets gyrating via asymmetric self-splitting on heterogeneous surfaces. Nature Communications, 2019, 10, 950.	5.8	135
150	A Cationâ€Exchange Approach for the Fabrication of Efficient Methylammonium Tin Iodide Perovskite Solar Cells. Angewandte Chemie, 2019, 131, 6760-6764.	1.6	11
151	A Cationâ€Exchange Approach for the Fabrication of Efficient Methylammonium Tin Iodide Perovskite Solar Cells. Angewandte Chemie - International Edition, 2019, 58, 6688-6692.	7.2	150
152	Domino Patterning of Water and Oil Induced by Emulsion Breaking. ACS Applied Materials & Interfaces, 2019, 11, 17960-17967.	4.0	1
153	Fully Printed Flexible Crossbar Memory Devices with Tipâ€Enhanced Micro/Nanostructures. Advanced Electronic Materials, 2019, 5, 1900131.	2.6	8
154	Wearable Power Source: A Newfangled Feasibility for Perovskite Photovoltaics. ACS Energy Letters, 2019, 4, 1065-1072.	8.8	45
155	Fully Printed Geranium-Inspired Encapsulated Arrays for Quantitative Odor Releasing. ACS Omega, 2019, 4, 19977-19982.	1.6	4
156	Soft Acoustic Metamaterials: Bubble Architectures for Locally Resonant Acoustic Metamaterials (Adv.) Tj ETQq0 0 0 rgBT /Overlock 10 T	7.8	6
157	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.	2.7	88
158	Slot-Waveguide Silicon Nitride Organic Hybrid Distributed Feedback Laser. Scientific Reports, 2019, 9, 18438.	1.6	12
159	A stimuli responsive tripletâ€“triplet annihilation upconversion system and its application as a ratiometric sensor for Fe³⁺ions. RSC Advances, 2019, 9, 36410-36415.	1.7	19
160	Heterogeneous Integration of Three-Primary-Color Photoluminescent Nanoparticle Arrays with Defined Interfaces. ACS Applied Materials & Interfaces, 2019, 11, 1616-1623.	4.0	12
161	A Photochromic Sensor Microchip for High-Performance Multiplex Metal Ion Detection. Methods in Molecular Biology, 2019, 2027, 49-59.	0.4	0
162	Recent Advances in Multicomponent Particle Assembly. Chemistry - A European Journal, 2018, 24, 16196-16208.	1.7	11

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163	Bioinspired Micropatterned Superhydrophilic Auâ€Areoles for Surfaceâ€Enhanced Raman Scattering (SERS) Trace Detection. Advanced Functional Materials, 2018, 28, 1800448.	7.8	87
164	Printing 1D Assembly Array of Single Particle Resolution for Magnetosensing. Small, 2018, 14, e1800117.	5.2	26
165	Spider-web inspired multi-resolution graphene tactile sensor. Chemical Communications, 2018, 54, 4810-4813.	2.2	29
166	A Selfâ€Growing Strategy for Largeâ€Scale Crystal Assembly Tubes. Chemistry - an Asian Journal, 2018, 13, 761-764.	1.7	2
167	Oneâ€Step Inkjet Printed Perovskite in Air for Efficient Light Harvesting. Solar Rrl, 2018, 2, 1700217.	3.1	90
168	Diffractionâ€Grated Perovskite Induced Highly Efficient Solar Cells through Nanophotonic Light Trapping. Advanced Energy Materials, 2018, 8, 1702960.	10.2	119
169	Designing Laplace Pressure Pattern for Microdroplet Manipulation. Langmuir, 2018, 34, 639-645.	1.6	13
170	Programmed Coassembly of One-Dimensional Binary Superstructures by Liquid Soft Confinement. Journal of the American Chemical Society, 2018, 140, 18-21.	6.6	34
171	Printable Skinâ€Driven Mechanoluminescence Devices via Nanodoped Matrix Modification. Advanced Materials, 2018, 30, e1800291.	11.1	178
172	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.	10.2	3
173	Patterned Arrays of Functional Lateral Heterostructures via Sequential Templateâ€Directed Printing. Small, 2018, 14, e1800792.	5.2	8
174	Inkjet printing bendable circuits based on an oil-water interface reaction. Applied Surface Science, 2018, 445, 391-397.	3.1	43
175	Strong Photonicâ€Bandâ€Gap Effect on the Spontaneous Emission in 3D Lead Halide Perovskite Photonic Crystals. ChemPhysChem, 2018, 19, 2101-2106.	1.0	12
176	Patterned Colloidal Photonic Crystals. Angewandte Chemie - International Edition, 2018, 57, 2544-2553.	7.2	413
177	A 3D Selfâ€Shaping Strategy for Nanoresolution Multicomponent Architectures. Advanced Materials, 2018, 30, 1703963.	11.1	39
178	A general strategy for printing colloidal nanomaterials into one-dimensional micro/nanolines. Nanoscale, 2018, 10, 22374-22380.	2.8	20
179	Formation of Multicomponent Sizeâ€Sorted Assembly Patterns by Tunable Templated Dewetting. Angewandte Chemie - International Edition, 2018, 57, 16126-16130.	7.2	21
180	Formation of Multicomponent Sizeâ€Sorted Assembly Patterns by Tunable Templated Dewetting. Angewandte Chemie, 2018, 130, 16358-16362.	1.6	6

#	Article	IF	Citations
181	Patterning Bubbles by the Stickâ€“Slip Motion of the Advancing Triple Phase Line on Nanostructures. Langmuir, 2018, 34, 15804-15811.	1.6	5
182	Frontispiece: Recent Advances in Multicomponent Particle Assembly. Chemistry - A European Journal, 2018, 24, .	1.7	0
183	Phase Pure 2D Perovskite for Highâ€Performance 2Dâ€“3D Heterostructured Perovskite Solar Cells. Advanced Materials, 2018, 30, e1805323.	11.1	244
184	Light-Driven ATP Transmembrane Transport Controlled by DNA Nanomachines. Journal of the American Chemical Society, 2018, 140, 16048-16052.	6.6	76
185	A Novel Strategy for Scalable Highâ€Efficiency Planar Perovskite Solar Cells with New Precursors and Cation Displacement Approach. Advanced Materials, 2018, 30, e1804454.	11.1	25
186	Recent advances in colloidal photonic crystal sensors: Materials, structures and analysis methods. Nano Today, 2018, 22, 132-144.	6.2	170
187	From 2D to 3D: a facile and effective procedure for fabrication of planar CH₃NH₃PbI₃perovskite solar cells. Journal of Materials Chemistry A, 2018, 6, 17867-17873.	5.2	20
188	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.	7.8	0
189	Bioinspired Synergy Sensor Chip of Photonic Crystals-Graphene Oxide for Multiamines Recognition. Analytical Chemistry, 2018, 90, 6371-6375.	3.2	19
190	Highly Brilliant Noniridescent Structural Colors Enabled by Graphene Nanosheets Containing Graphene Quantum Dots. Advanced Functional Materials, 2018, 28, 1802585.	7.8	137
191	Plasmonic Biomimetic Nanocomposite with Spontaneous Subwavelength Structuring as Broadband Absorbers. ACS Energy Letters, 2018, 3, 1578-1583.	8.8	29
192	A general printing approach for scalable growth of perovskite single-crystal films. Science Advances, 2018, 4, eaat2390.	4.7	150
193	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.	7.8	3
194	Janus Structural Color from a 2D Photonic Crystal Hybrid with a Fabryâ€“Perot Cavity. Advanced Optical Materials, 2018, 6, 1800651.	3.6	53
195	Printable Nanomaterials for the Fabrication of High-Performance Supercapacitors. Nanomaterials, 2018, 8, 528.	1.9	46
196	Microfiberâ€Knitted Crossweave Patterns for Multiresolution Physical Kineses Analysis Electronics. Advanced Materials Technologies, 2018, 3, 1800107.	3.0	9
197	31â€1: Invited Paper: Green Printing Technology for Manufacturing Functional Devices. Digest of Technical Papers SID International Symposium, 2018, 49, 395-396.	0.1	0
198	A General Approach for Fluid Patterning and Application in Fabricating Microdevices. Advanced Materials, 2018, 30, e1802172.	11.1	36

#	Article	IF	Citations
199	Printable Functional Chips Based on Nanoparticle Assembly. Small, 2017, 13, 1503339.	5.2	47
200	Graphene Oxide Restricts Growth and Recrystallization of Ice Crystals. Angewandte Chemie, 2017, 129, 1017-1021.	1.6	33
201	A general patterning approach by manipulating the evolution of two-dimensional liquid foams. Nature Communications, 2017, 8, 14110.	5.8	99
202	Transparent Ag@Auâ€“graphene patterns with conductive stability via inkjet printing. Journal of Materials Chemistry C, 2017, 5, 2800-2806.	2.7	42
203	Single Crystals: Directâ€Writing Multifunctional Perovskite Single Crystal Arrays by Inkjet Printing (Small 8/2017). Small, 2017, 13, .	5.2	1
204	Inkjet printing wearable electronic devices. Journal of Materials Chemistry C, 2017, 5, 2971-2993.	2.7	415
205	A Voltageâ€Responsive Freeâ€Blockage Controlledâ€Release System Based on Hydrophobicity Switching. ChemPhysChem, 2017, 18, 1317-1323.	1.0	5
206	Solid-state nanocrystalline solar cells with an antimony sulfide absorber deposited by an in situ solidâ€“gas reaction. Journal of Materials Chemistry A, 2017, 5, 4791-4796.	5.2	48
207	Printing assembly and structural regulation of graphene towards three-dimensional flexible micro-supercapacitors. Journal of Materials Chemistry A, 2017, 5, 16281-16288.	5.2	116
208	Ion-specific ice recrystallization provides a facile approach for the fabrication of porous materials. Nature Communications, 2017, 8, 15154.	5.8	71
209	Healable green hydrogen bonded networks for circuit repair, wearable sensor and flexible electronic devices. Journal of Materials Chemistry A, 2017, 5, 13138-13144.	5.2	83
210	A novel method for fabrication of CdS quantum dot-sensitized solar cells. Journal of Materials Science: Materials in Electronics, 2017, 28, 14103-14109.	1.1	7
211	Patterned photonic crystals for hiding information. Journal of Materials Chemistry C, 2017, 5, 4621-4628.	2.7	89
212	Swarm Intelligenceâ€Inspired Spontaneous Fabrication of Optimal Interconnect at the Micro/Nanoscale. Advanced Materials, 2017, 29, 1605223.	11.1	35
213	Directâ€Writing Multifunctional Perovskite Single Crystal Arrays by Inkjet Printing. Small, 2017, 13, 1603217.	5.2	117
214	Wetting of Inkjet Polymer Droplets on Porous Alumina Substrates. Langmuir, 2017, 33, 130-137.	1.6	18
215	Graphene Oxide Restricts Growth and Recrystallization of Ice Crystals. Angewandte Chemie - International Edition, 2017, 56, 997-1001.	7.2	186
216	Bioinspired Antiâ€MoirÃ© Random Grids via Patterning Foams. Advanced Optical Materials, 2017, 5, 1700751.	3.6	17

#	Article	IF	Citations
217	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.	3.3	132
218	Precise Assembly of Particles for Zigzag or Linear Patterns. Angewandte Chemie, 2017, 129, 15550-15554.	1.6	7
219	Precise Assembly of Particles for Zigzag or Linear Patterns. Angewandte Chemie - International Edition, 2017, 56, 15348-15352.	7.2	27
220	Enhanced Efficiency of Perovskite Solar Cells by using Coreâ€“Ultrathin Shell Structure Ag@SiO₂ Nanowires as Plasmonic Antennas. Advanced Electronic Materials, 2017, 3, 1700169.	2.6	24
221	Size Fractionation of Graphene Oxide Nanosheets via Controlled Directional Freezing. Journal of the American Chemical Society, 2017, 139, 12517-12523.	6.6	52
222	Gasâ€“solid reaction for in situ deposition of Cu₃SbS₄ on a mesoporous TiO₂ film. RSC Advances, 2017, 7, 41540-41545.	1.7	14
223	Fabrication of methylammonium bismuth iodide through interdiffusion of solution-processed BiI₃/CH₃NH₃I stacking layers. RSC Advances, 2017, 7, 43826-43830.	1.7	40
224	Electronic Textile by Dyeing Method for Multiresolution Physical Kineses Monitoring. Advanced Electronic Materials, 2017, 3, 1700253.	2.6	69
225	Selfâ€Healable Organogel Nanocomposite with Angleâ€Independent Structural Colors. Angewandte Chemie, 2017, 129, 10598-10602.	1.6	26
226	Selfâ€Healable Organogel Nanocomposite with Angleâ€Independent Structural Colors. Angewandte Chemie - International Edition, 2017, 56, 10462-10466.	7.2	131
227	Rayleigh Instability-Assisted Satellite Droplets Elimination in Inkjet Printing. ACS Applied Materials & Interfaces, 2017, 9, 41521-41528.	4.0	25
228	Three dimensional MOFâ€“sponge for fast dynamic adsorption. Physical Chemistry Chemical Physics, 2017, 19, 5746-5752.	1.3	29
229	Nanoparticle Assembly: Printable Functional Chips Based on Nanoparticle Assembly (Small 4/2017). Small, 2017, 13, .	5.2	1
230	Fabrication of Bendable Circuits on a Polydimethylsiloxane (PDMS) Surface by Inkjet Printing Semi-Wrapped Structures. Materials, 2016, 9, 253.	1.3	32
231	Nanoparticle Based Curve Arrays for Multirecognition Flexible Electronics. Advanced Materials, 2016, 28, 1369-1374.	11.1	153
232	Guided Selfâ€Propelled Leaping of Droplets on a Microâ€Anisotropic Superhydrophobic Surface. Angewandte Chemie - International Edition, 2016, 55, 4265-4269.	7.2	135
233	Fabrication of Transparent Multilayer Circuits by Inkjet Printing. Advanced Materials, 2016, 28, 1420-1426.	11.1	172
234	Guided Selfâ€Propelled Leaping of Droplets on a Microâ€Anisotropic Superhydrophobic Surface. Angewandte Chemie, 2016, 128, 4337-4341.	1.6	26

#	Article	IF	Citations
235	A Rainbow Structuralâ€Color Chip for Multisaccharide Recognition. Angewandte Chemie, 2016, 128, 7025-7028.	1.6	31
236	Rate-dependent interface capture beyond the coffee-ring effect. Scientific Reports, 2016, 6, 24628.	1.6	161
237	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
238	Patterning liquids on inkjet-imprinted surfaces with highly adhesive superhydrophobicity. Nanoscale, 2016, 8, 9556-9562.	2.8	28
239	Sliding three-phase contact line of printed droplets for single-crystal arrays. Nanotechnology, 2016, 27, 184002.	1.3	16
240	pH-Responsive nano sensing valve with self-monitoring state property based on hydrophobicity switching. RSC Advances, 2016, 6, 52292-52299.	1.7	9
241	Flexible Circuits and Soft Actuators by Printing Assembly of Graphene. ACS Applied Materials & Interfaces, 2016, 8, 12369-12376.	4.0	104
242	Spontaneous Uphill Movement and Self-Removal of Condensates on Hierarchical Tower-like Arrays. ACS Nano, 2016, 10, 9456-9462.	7.3	68
243	Three-dimensional multi-recognition flexible wearable sensor via graphene aerogel printing. Chemical Communications, 2016, 52, 10948-10951.	2.2	81
244	Micropatterning: Direct Writing of Patterned, Leadâ€Free Nanowire Aligned Flexible Piezoelectric Device (Adv. Sci. 8/2016). Advanced Science, 2016, 3, .	5.6	1
245	Emerging Progress of Inkjet Technology in Printing Optical Materials. Advanced Optical Materials, 2016, 4, 1915-1932.	3.6	84
246	Direct Writing of Patterned, Leadâ€Free Nanowire Aligned Flexible Piezoelectric Device. Advanced Science, 2016, 3, 1600120.	5.6	44
247	Polyethyleneimine High-Energy Hydrophilic Surface Interfacial Treatment toward Efficient and Stable Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2016, 8, 32574-32580.	4.0	52
248	Gas/liquid interfacial manipulation by electrostatic inducing for nano-resolution printed circuits. Journal of Materials Chemistry C, 2016, 4, 10847-10851.	2.7	5
249	A Rainbow Structuralâ€Color Chip for Multisaccharide Recognition. Angewandte Chemie - International Edition, 2016, 55, 6911-6914.	7.2	138
250	Fourâ€Dimensional Screening Antiâ€Counterfeiting Pattern by Inkjet Printed Photonic Crystals. Chemistry - an Asian Journal, 2016, 11, 2680-2685.	1.7	72
251	The Ag shell thickness effect of Au@Ag@SiO₂ coreâ€“shell nanoparticles on the optoelectronic performance of dye sensitized solar cells. Chemical Communications, 2016, 52, 2390-2393.	2.2	19
252	Improving the luminescence performance of quantum dot-based photonic crystals for white-light emission. Journal of Materials Chemistry C, 2016, 4, 39-44.	2.7	20

#	Article	IF	Citations
253	Inkjet Printing: Fabrication of Transparent Multilayer Circuits by Inkjet Printing (Adv. Mater. 7/2016). Advanced Materials, 2016, 28, 1523-1523.	11.1	4
254	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
255	Enhanced light extraction by heterostructure photonic crystals toward white-light-emission. Journal of Colloid and Interface Science, 2016, 465, 42-46.	5.0	10
256	Advanced Nanoscale Materials for Ink Manufacture. , 2016, , 67-85.		0
257	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.	5.2	0
258	Direct Conversion of CH3NH3PbI3 from Electrodeposited PbO for Highly Efficient Planar Perovskite Solar Cells. Scientific Reports, 2015, 5, 15889.	1.6	83
259	Bioinspired photonic structures by the reflector layer of firefly lantern for highly efficient chemiluminescence. Scientific Reports, 2015, 5, 12965.	1.6	11
260	Fabrication of Nanoscale Circuits on Inkjetâ€Printing Patterned Substrates. Advanced Materials, 2015, 27, 3928-3933.	11.1	112
261	Interfacial Effect of Novel Coreâ€“Triple Shell Structured Au@SiO₂@Ag@SiO₂ with Ultrathin SiO₂ Passivation Layer between the Metal Interfaces on Efficient Dyeâ€Sensitized Solar Cells. Advanced Materials Interfaces, 2015, 2, 1500383.	1.9	15
262	Manipulating Oil Droplets by Superamphiphobic Nozzle. Small, 2015, 11, 4837-4843.	5.2	43
263	Oil Droplets: Manipulating Oil Droplets by Superamphiphobic Nozzle (Small 37/2015). Small, 2015, 11, 4988-4988.	5.2	0
264	Recent Advances in Controlling the Depositing Morphologies of Inkjet Droplets. ACS Applied Materials & Interfaces, 2015, 7, 28086-28099.	4.0	210
265	Printing Patterned Fine 3D Structures by Manipulating the Three Phase Contact Line. Advanced Functional Materials, 2015, 25, 2237-2242.	7.8	157
266	Hydrophilicâ€“Hydrophobic Patterned Molecularly Imprinted Photonic Crystal Sensors for Highâ€Sensitive Colorimetric Detection of Tetracycline. Small, 2015, 11, 2738-2742.	5.2	176
267	Patterning Fluorescent Quantum Dot Nanocomposites by Reactive Inkjet Printing. Small, 2015, 11, 1649-1654.	5.2	117
268	Color-tunable and highly solid emissive AIE molecules: synthesis, photophysics, data storage and biological application. Journal of Materials Chemistry C, 2015, 3, 3445-3451.	2.7	31
269	Bio-inspired double-layer structure artificial microreactor with highly efficient light harvesting for photocatalysts. RSC Advances, 2015, 5, 11096-11100.	1.7	4
270	Temperature-controlled morphology evolution of porphyrin nanostructures at an oilâ€“aqueous interface. Journal of Materials Chemistry C, 2015, 3, 2445-2449.	2.7	13

#	Article	IF	Citations
271	Photochromic sensors: a versatile approach for recognition and discrimination. Journal of Materials Chemistry C, 2015, 3, 9265-9275.	2.7	122
272	Bioinspired Lotus-like Self-Illuminous Coating. ACS Applied Materials & Interfaces, 2015, 7, 18424-18428.	4.0	21
273	Novel amphoteric ion exchange membranes by blending sulfonated poly(ether ether) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 667 Materials Chemistry A, 2015, 3, 17590-17597.	5.2	91
274	A Photochromic Sensor Microchip for High-performance Multiplex Metal Ions Detection. Scientific Reports, 2015, 5, 9724.	1.6	49
275	Fabrication of Patterned Concave Microstructures by Inkjet Imprinting. Advanced Functional Materials, 2015, 25, 3286-3294.	7.8	73
276	Splitting a Droplet for Femtoliter Liquid Patterns and Single Cell Isolation. ACS Applied Materials & Interfaces, 2015, 7, 9060-9065.	4.0	95
277	Quantum Dots: Patterning Fluorescent Quantum Dot Nanocomposites by Reactive Inkjet Printing (Small 14/2015). Small, 2015, 11, 1614-1614.	5.2	1
278	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
279	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.	7.8	0
280	Small molecular thienoquinoidal dyes as electron donors for solution processable organic photovoltaic cells. RSC Advances, 2015, 5, 76666-76669.	1.7	3
281	Tailored Porphyrin Assembly at the Oilâ€“Aqueous Interface Based on the Receding of Threeâ€Phase Contact Line of Droplet Template. Advanced Materials Interfaces, 2015, 2, 1400365.	1.9	17
282	Highly reproducible SERS arrays directly written by inkjet printing. Nanoscale, 2015, 7, 421-425.	2.8	81
283	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
284	Plasmonic cooperation effect of metal nanomaterials at Auâ€“TiO₂â€“Ag interface to enhance photovoltaic performance for dye-sensitized solar cells. RSC Advances, 2015, 5, 210-214.	1.7	25
285	Stretching Velocityâ€Dependent Dynamic Adhesion of the Water/Oil Interfaces for High Quality Lithographic Printing. Advanced Materials Interfaces, 2014, 1, 1400080.	1.9	3
286	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, .	1.9	1
287	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.	3.6	2
288	Viscosity of interfacial water regulates ice nucleation. Applied Physics Letters, 2014, 104, .	1.5	23

#	Article	IF	Citations
289	Fabrication of Phase-Change Polymer Colloidal Photonic Crystals. Journal of Nanomaterials, 2014, 2014, 1-7.	1.5	4
290	Bioâ€Inspired Photonicâ€Crystal Microchip for Fluorescent Ultratrace Detection. Angewandte Chemie - International Edition, 2014, 53, 5791-5795.	7.2	253
291	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.	3.6	221
292	Controllable Printing Droplets for Highâ€Resolution Patterns. Advanced Materials, 2014, 26, 6950-6958.	11.1	371
293	A General Strategy for Assembling Nanoparticles in One Dimension. Advanced Materials, 2014, 26, 2501-2507.	11.1	93
294	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.	2.7	19
295	Patterning: Controllable Printing Droplets for High-Resolution Patterns (Adv. Mater. 40/2014). Advanced Materials, 2014, 26, 6983-6983.	11.1	6
296	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.	5.2	8
297	Inkjet-printed highly conductive transparent patterns with water based Ag-doped graphene. Journal of Materials Chemistry A, 2014, 2, 19095-19101.	5.2	62
298	Preparation of Patterned Ultrathin Polymer Films. Langmuir, 2014, 30, 9436-9441.	1.6	19
299	Nanoparticles: A General Strategy for Assembling Nanoparticles in One Dimension (Adv. Mater.) Tj ETQq1 1 0.784314 rgBT /Overlock	11.1	0
300	Surface-mediated buckling of coreâ€“shell spheres for the formation of oriented anisotropic particles with tunable morphologies. Soft Matter, 2013, 9, 2589.	1.2	8
301	Controlled Inkjetting of a Conductive Pattern of Silver Nanoparticles Based on the Coffeeâ€Ring Effect. Advanced Materials, 2013, 25, 6714-6718.	11.1	200
302	Aquatic plant inspired hierarchical artificial leaves for highly efficient photocatalysis. Journal of Materials Chemistry A, 2013, 1, 7760.	5.2	27
303	Photonic crystal boosted chemiluminescence reaction. Laser and Photonics Reviews, 2013, 7, L39-L43.	4.4	16
304	Patterned photonic crystals fabricated by inkjet printing. Journal of Materials Chemistry C, 2013, 1, 6048.	2.7	97
305	pH-responsive dual fluorescent coreâ€“shell microspheres fabricated via a one-step emulsion polymerization. Journal of Materials Chemistry C, 2013, 1, 3802.	2.7	19
306	Hierarchical TiO₂photonic crystal spheres prepared by spray drying for highly efficient photocatalysis. Journal of Materials Chemistry A, 2013, 1, 541-547.	5.2	66

#	Article	IF	Citations
307	Reversible gold nanorod assembly triggered by pH-responsive DNA nanomachine. Applied Physics Letters, 2013, 102, .	1.5	14
308	A Multiâ€stopband Photonicâ€Crystal Microchip for Highâ€Performance Metalâ€Ion Recognition Based on Fluorescent Detection. Angewandte Chemie - International Edition, 2013, 52, 7296-7299.	7.2	146
309	Patterning of controllable surface wettability for printing techniques. Chemical Society Reviews, 2013, 42, 5184.	18.7	299
310	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.	1.6	7
311	Superhydrophobic surfaces cannot reduce ice adhesion. Applied Physics Letters, 2012, 101, .	1.5	282
312	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.	3.8	74
313	Large-area, crack-free polysilazane-based photonic crystals. Journal of Materials Chemistry, 2012, 22, 5300.	6.7	25
314	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
315	A heatable and evaporation-free miniature reactor upon superhydrophobic pedestals. Soft Matter, 2012, 8, 631-635.	1.2	30
316	Hierarchically structured porous aluminum surfaces for high-efficient removal of condensed water. Soft Matter, 2012, 8, 6680.	1.2	146
317	Photo-induced amplification of readout contrast in nanoscale data storage. Journal of Materials Chemistry, 2012, 22, 4299.	6.7	26
318	Colloidal Photonic Crystals with Narrow Stopbands Assembled from Low-Adhesive Superhydrophobic Substrates. Journal of the American Chemical Society, 2012, 134, 17053-17058.	6.6	215
319	Condensation mode determines the freezing of condensed water on solid surfaces. Soft Matter, 2012, 8, 8285.	1.2	64
320	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
321	Direct-writing colloidal photonic crystal microfluidic chips by inkjet printing for label-free protein detection. Lab on A Chip, 2012, 12, 3089.	3.1	95
322	Elaborately Aligning Beadâ€Shaped Nanowire Arrays Generated by a Superhydrophobic Micropillar Guiding Strategy. Advanced Functional Materials, 2012, 22, 4569-4576.	7.8	33
323	Flexible Au nanoparticle arrays induced metal-enhanced fluorescence towards pressure sensors. Journal of Materials Chemistry, 2011, 21, 5234.	6.7	24
324	Fabrication of functional colloidal photonic crystals based on well-designed latex particles. Journal of Materials Chemistry, 2011, 21, 14113.	6.7	67

#	Article	IF	Citations
325	Amphoteric polymeric photonic crystal with U-shaped pH response developed by intercalation polymerization. Soft Matter, 2011, 7, 4156.	1.2	16
326	Programmable DNA switch for bioresponsive controlled release. Journal of Materials Chemistry, 2011, 21, 13811.	6.7	41
327	Ultrahigh density data storage based on organic materials with SPM techniques. Journal of Materials Chemistry, 2011, 21, 3522-3533.	6.7	26
328	Amplifying fluorescence sensing based on inverse opal photonic crystal toward trace TNT detection. Journal of Materials Chemistry, 2011, 21, 1730-1735.	6.7	101
329	Controllable Synthesis of Latex Particles with Multicavity Structures. Macromolecules, 2011, 44, 2404-2409.	2.2	46
330	Superhydrophobic surface at low surface temperature. Applied Physics Letters, 2011, 98, .	1.5	86
331	Highly reflective superhydrophobic white coating inspired by poplar leaf hairs toward an effective â€œcool roofâ€• Energy and Environmental Science, 2011, 4, 3364.	15.6	57
332	Utilizing superhydrophilic materials to manipulate oil droplets arbitrarily in water. Soft Matter, 2011, 7, 5144.	1.2	61
333	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
334	Enhanced nanoparticle-oligonucleotide conjugates for DNA nanomachine controlled surface-enhanced Raman scattering switch. Applied Physics Letters, 2011, 98, 133704.	1.5	11
335	â€œClingingâ€Microdropletâ€•Patterning Upon Highâ€Adhesion, Pillarâ€Structured Silicon Substrates. Advanced Functional Materials, 2011, 21, 3297-3307.	7.8	61
336	Superoleophobic Surfaces with Controllable Oil Adhesion and Their Application in Oil Transportation. Advanced Functional Materials, 2011, 21, 4270-4276.	7.8	171
337	Photoelectric Cooperative Induced Wetting on Alignedâ€Nanopore Arrays for Liquid Reprography. Advanced Functional Materials, 2011, 21, 4519-4526.	7.8	35
338	Controllable Underwater Oilâ€Adhesionâ€Interface Films Assembled from Nonspherical Particles. Advanced Functional Materials, 2011, 21, 4436-4441.	7.8	96
339	Patterning Crystal Arrays: â€œClinging-Microdropletâ€•Patterning Upon High-Adhesion, Pillar-Structured Silicon Substrates (Adv. Funct. Mater. 17/2011). Advanced Functional Materials, 2011, 21, n/a-n/a.	7.8	0
340	Applications of Bioâ€Inspired Special Wettable Surfaces. Advanced Materials, 2011, 23, 719-734.	11.1	961
341	RÃ¼cktitelbild: High-Temperature Wetting Transition on Micro- and Nanostructured Surfaces (Angew.) Tj ETQq1 1 0.784314 rgBT /O	1.6	1
342	Back Cover: High-Temperature Wetting Transition on Micro- and Nanostructured Surfaces (Angew.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	7.2	0

#	Article	IF	Citations
343	Reversibly phototunable TiO2 photonic crystal modulated by Ag nanoparticlesâ€™ oxidation/reduction. Applied Physics Letters, 2011, 98, .	1.5	13
344	Distinct electronic switching behaviors of triphenylamine-containing polyimide memories with different bottom electrodes. Applied Physics Letters, 2010, 96, 213305.	1.5	13
345	A white-lighting LED system with a highly efficient thin luminous film. Applied Physics A: Materials Science and Processing, 2010, 98, 85-90.	1.1	6
346	Recent research progress in wettability of colloidal crystals. Science China Chemistry, 2010, 53, 318-326.	4.2	10
347	High effective sensors based on photonic crystals. Frontiers of Chemistry in China: Selected Publications From Chinese Universities, 2010, 5, 115-122.	0.4	7
348	Synthesis and thermal analysis of disubstituted propiolates bearing terphenylene mesogen. Journal of Thermal Analysis and Calorimetry, 2010, 99, 391-397.	2.0	2
349	Integrating Ionic Gate and Rectifier Within One Solidâ€State Nanopore via Modification with Dualâ€Responsive Copolymer Brushes. Advanced Functional Materials, 2010, 20, 3561-3567.	7.8	108
350	Effects of diazonaphthoquinone groups on photosensitive coating. Journal of Applied Polymer Science, 2010, 117, 2360-2365.	1.3	11
351	Macromol. Rapid Commun. 16/2010. Macromolecular Rapid Communications, 2010, 31, n/a-n/a.	2.0	0
352	High-performance optoelectrical dual-mode memory based on spiropyran-containing polyimide. Applied Physics Letters, 2010, 97, .	1.5	24
353	Organic optical/electrical functional thin films. , 2010, , .		0
354	Closed-air induced composite wetting on hydrophilic ordered nanoporous anodic alumina. Applied Physics Letters, 2010, 97, .	1.5	37
355	Enhancement of photochemical hydrogen evolution over Pt-loaded hierarchical titania photonic crystal. Energy and Environmental Science, 2010, 3, 1503.	15.6	139
356	Thermal-responsive hydrogel surface: tunable wettability and adhesion to oil at the water/solid interface. Soft Matter, 2010, 6, 2708.	1.2	153
357	A co-assembly system of an aromatic donor and acceptor: charge transfer, electric bistability and photoconductivity. New Journal of Chemistry, 2010, 34, 2530.	1.4	10
358	Capillary force restoration of droplet on superhydrophobic ribbed nano-needles arrays. Soft Matter, 2010, 6, 2470.	1.2	9
359	Enhanced sensitivity in a Hg2+ sensor by photonic crystals. Analytical Methods, 2010, 2, 448.	1.3	15
360	Stable and reversible optoelectrical dual-mode data storage based on a ferrocenlylspiropyran molecule. Applied Physics Letters, 2009, 95, 183307.	1.5	10

#	Article	IF	Citations
361	A high ON/OFF ratio organic film for photo- and electro-dual-mode recording. Applied Physics Letters, 2009, 94, 163309.	1.5	8
362	Bioinspired Design of a Superoleophobic and Low Adhesive Water/Solid Interface. Advanced Materials, 2009, 21, 665-669.	11.1	1,123
363	Superoleophobic Surfaces: Bioinspired Design of a Superoleophobic and Low Adhesive Water/Solid Interface (Adv. Mater. 6/2009). Advanced Materials, 2009, 21, NA-NA.	11.1	4
364	Macromol. Rapid Commun. 7/2009. Macromolecular Rapid Communications, 2009, 30, NA-NA.	2.0	0
365	Macromol. Rapid Commun. 20/2009. Macromolecular Rapid Communications, 2009, 30, .	2.0	0
366	Thermochromic coreâ€“shell nanofibers fabricated by melt coaxial electrospinning. Journal of Applied Polymer Science, 2009, 112, 269-274.	1.3	76
367	Influence of Deoxyribose Group on Self-Assembly of Thymidine on Au(111). Journal of Physical Chemistry C, 2009, 113, 17590-17594.	1.5	10
368	OPTICAL DATA STORAGE FOR THE FUTURE. , 2009, , 69-135.		1
369	Fabrication of large-area patterned photonic crystals by ink-jet printing. Journal of Materials Chemistry, 2009, , .	6.7	55
370	Novel Thermally Stable Single-Component Organic-Memory Cell Based on Oxotitanium Phthalocyanine Material. IEEE Electron Device Letters, 2009, 30, 931-933.	2.2	13
371	Hierarchically Macro-/Mesoporous Tiâ^'Si Oxides Photonic Crystal with Highly Efficient Photocatalytic Capability. Environmental Science & Technology, 2009, 43, 9425-9431.	4.6	97
372	Investigation of thermally robust single-component resistive switching organic memory cell. , 2009, , .		0
373	HIGH DENSITY MAGNETIC DATA STORAGE. , 2009, , 1-68.		3
374	NANOSCALE DATA STORAGE. , 2009, , 193-260.		0
375	HIGH DENSITY ELECTRICAL DATA STORAGE. , 2009, , 137-191.		0
376	Nanostructural effects on optical properties of tungsten inverse opal. Applied Physics A: Materials Science and Processing, 2008, 93, 489-493.	1.1	5
377	A facile method of shielding from UV damage by polymer photonic crystals. Polymer International, 2008, 57, 509-514.	1.6	11
378	Superoleophilic and Superhydrophobic Inverse Opals for Oil Sensors. Advanced Functional Materials, 2008, 18, 3258-3264.	7.8	113

#	Article	IF	Citations
379	Organic Functional Molecules towards Information Processing and Highâ€Density Information Storage. Advanced Materials, 2008, 20, 2888-2898.	11.1	140
380	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
381	A colorful oil-sensitive carbon inverse opal. Journal of Materials Chemistry, 2008, 18, 5098.	6.7	70
382	Photonic crystal concentrator for efficient output of dye-sensitized solar cells. Journal of Materials Chemistry, 2008, 18, 2650.	6.7	41
383	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
384	Colorful humidity sensitive photonic crystal hydrogel. Journal of Materials Chemistry, 2008, 18, 1116.	6.7	321
385	Wettability Alteration of Polymer Surfaces Produced by Scraping. Journal of Adhesion Science and Technology, 2008, 22, 395-402.	1.4	69
386	Electrical bistable behavior of an organic thin film through proton transfer. Applied Physics Letters, 2007, 90, 052111.	1.5	6
387	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
388	Micropatterning of polydiacetylene based on a photoinduced chromatic transition and mechanism study. Journal of Applied Polymer Science, 2007, 103, 942-946.	1.3	17
389	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.	1.2	41
390	Hydrogen-Bonding-Driven Wettability Change of Colloidal Crystal Films:â€‰ From Superhydrophobicity to Superhydrophilicity. Chemistry of Materials, 2006, 18, 4984-4986.	3.2	73
391	Highly Fluorescent Contrast for Rewritable Optical Storage Based on Photochromic Bisthienylethene-Bridged Naphthalimide Dimer. Chemistry of Materials, 2006, 18, 235-237.	3.2	175
392	The interaction of a novel ruthenium (II) complex with self-assembled DNA film on silicon surface. Surface and Interface Analysis, 2006, 38, 1372-1376.	0.8	3
393	Surface arrangement of azobenzene moieties in two different azobenzene-derived Langmiurâ€“Blodgett films. Surface and Interface Analysis, 2006, 38, 1343-1347.	0.8	10
394	Simple Fabrication of Full Color Colloidal Crystal Films with Tough Mechanical Strength. Macromolecular Chemistry and Physics, 2006, 207, 596-604.	1.1	232
395	Control over the Wettability of Colloidal Crystal Films by Assembly Temperature. Macromolecular Rapid Communications, 2006, 27, 188-192.	2.0	87
396	Electrochemical Deposition of Conductive Superhydrophobic Zinc Oxide Thin Films. Journal of Physical Chemistry B, 2003, 107, 9954-9957.	1.2	281

#	Article	IF	Citations
397	Progress in materials and technologies for ultrahigh density data storage*. Progress in Natural Science: Materials International, 2003, 13, 247-253.	1.8	1
398	Super-Hydrophobicity of Large-Area Honeycomb-Like Aligned Carbon Nanotubes. Journal of Physical Chemistry B, 2002, 106, 9274-9276.	1.2	289
399	Fabrication of the Silver Grids by Interfacial Interaction. Advanced Engineering Materials, 0, , 2100901.	1.6	1
400	Printed Chalcogenide/Metal Heterostructured Photodetectors for Flexible Nearâ€Infrared Sensing. Advanced Optical Materials, 0, , 2200173.	3.6	6
401	Vacuumâ€Assisted Thermal Annealing of CsPbI ₃ for Highly Stable and Efficient Inorganic Perovskite Solar Cells. Angewandte Chemie, 0, , .	1.6	0
402	Directional Laser From Solutionâ€grown Gratingâ€patterned Perovskite Singleâ€crystal Microdisks. Angewandte Chemie, 0, , .	1.6	0