Yan-Lin Song

List of Publications by Citations

300 papers	13,708 citations	70 h-index	106 g-index
328 ext. papers	16,522 ext. citations	11.4 avg, IF	6.96 L-index

#	Paper	IF	Citations
300	Applications of bio-inspired special wettable surfaces. *Advanced Materials*, **2011**, 23, 719-34	24	867
299	Controllable printing droplets for high-resolution patterns. *Advanced Materials*, **2014**, 26, 6950-8	24	300
298	Inkjet printing wearable electronic devices. *Journal of Materials Chemistry C*, **2017**, 5, 2971-2993	7.1	291
297	Colorful humidity sensitive photonic crystal hydrogel. *Journal of Materials Chemistry*, **2008**, 18, 1116		287
296	Patterned Colloidal Photonic Crystals. *Angewandte Chemie - International Edition*, **2018**, 57, 2544-2553	16.4	282
295	Patterning of controllable surface wettability for printing techniques. *Chemical Society Reviews*, **2013**, 42, 5184-209	58.5	253
294	Bio-inspired photonic-crystal microchip for fluorescent ultratrace detection. *Angewandte Chemie - International Edition*, **2014**, 53, 5791-5	16.4	226
293	Bioinspired colloidal photonic crystals with controllable wettability. *Accounts of Chemical Research*, **2011**, 44, 405-15	24.3	210
292	Simple Fabrication of Full Color Colloidal Crystal Films with Tough Mechanical Strength. *Macromolecular Chemistry and Physics*, **2006**, 207, 596-604	2.6	204
291	Colloidal photonic crystals with narrow stopbands assembled from low-adhesive superhydrophobic substrates. *Journal of the American Chemical Society*, **2012**, 134, 17053-8	16.4	187
290	Inkjet Printing Patterned Photonic Crystal Domes for Wide Viewing-Angle Displays by Controlling the Sliding Three Phase Contact Line. *Advanced Optical Materials*, **2014**, 2, 34-38	8.1	185
289	Inkjet printing of CH3NH3PbI3 on a mesoscopic TiO2 film for highly efficient perovskite solar cells. *Journal of Materials Chemistry A*, **2015**, 3, 9092-9097	13	175
288	Controlled inkjetting of a conductive pattern of silver nanoparticles based on the coffee-ring effect. *Advanced Materials*, **2013**, 25, 6714-8	24	169
287	Recent Advances in Controlling the Depositing Morphologies of Inkjet Droplets. *ACS Applied Materials & Interfaces*, **2015**, 7, 28086-99	9.5	169
286	Phase Pure 2D Perovskite for High-Performance 2D-3D Heterostructured Perovskite Solar Cells. *Advanced Materials*, **2018**, 30, e1805323	24	161
285	Highly efficient three-dimensional solar evaporator for high salinity desalination by localized crystallization. *Nature Communications*, **2020**, 11, 521	17.4	157
284	Hydrophilic-Hydrophobic Patterned Molecularly Imprinted Photonic Crystal Sensors for High-Sensitive Colorimetric Detection of Tetracycline. *Small*, **2015**, 11, 2738-42	11	149

283	Dopamine-crosslinked TiO2/perovskite layer for efficient and photostable perovskite solar cells under full spectral continuous illumination. *Nano Energy*, **2019**, 56, 733-740	17.1	143
282	Ultrasensitive DNA detection using photonic crystals. *Angewandte Chemie - International Edition*, **2008**, 47, 7258-62	16.4	142
281	Fabrication of Transparent Multilayer Circuits by Inkjet Printing. *Advanced Materials*, **2016**, 28, 1420-6	24	135
280	Rate-dependent interface capture beyond the coffee-ring effect. *Scientific Reports*, **2016**, 6, 24628	4.9	133
279	Enhancement of photochemical hydrogen evolution over Pt-loaded hierarchical titania photonic crystal. *Energy and Environmental Science*, **2010**, 3, 1503	35.4	130
278	Nanoparticle Based Curve Arrays for Multirecognition Flexible Electronics. *Advanced Materials*, **2016**, 28, 1369-74	24	129
277	Synthesis of monodisperse silver nanoparticles for ink-jet printed flexible electronics. *Nanotechnology*, **2011**, 22, 425601	3.4	127
276	Graphene Oxide Restricts Growth and Recrystallization of Ice Crystals. *Angewandte Chemie - International Edition*, **2017**, 56, 997-1001	16.4	126
275	A multi-stopband photonic-crystal microchip for high-performance metal-ion recognition based on fluorescent detection. *Angewandte Chemie - International Edition*, **2013**, 52, 7296-9	16.4	126
274	Printing Patterned Fine 3D Structures by Manipulating the Three Phase Contact Line. *Advanced Functional Materials*, **2015**, 25, 2237-2242	15.6	125
273	Inkjet manipulated homogeneous large size perovskite grains for efficient and large-area perovskite solar cells. *Nano Energy*, **2018**, 46, 203-211	17.1	124
272	Photovoltaics Based on Hybridization of Effective Dye-Sensitized Titanium Oxide and Hole-Conductive Polymer P3HT. *Advanced Functional Materials*, **2009**, 19, 2481-2485	15.6	119
271	Wearable Large-Scale Perovskite Solar-Power Source via Nanocellular Scaffold. *Advanced Materials*, **2017**, 29, 1703236	24	113
270	Hierarchical porous surface for efficiently controlling microdroplets' self-removal. *Advanced Materials*, **2013**, 25, 2291-5	24	113
269	A Mechanically Robust Conducting Polymer Network Electrode for Efficient Flexible Perovskite Solar Cells. *Joule*, **2019**, 3, 2205-2218	27.8	111
268	Superoleophilic and Superhydrophobic Inverse Opals for Oil Sensors. *Advanced Functional Materials* , **2008**, 18, 3258-3264	15.6	109
267	Printable Skin-Driven Mechanoluminescence Devices via Nanodoped Matrix Modification. *Advanced Materials*, **2018**, 30, e1800291	24	108
266	A Rainbow Structural-Color Chip for Multisaccharide Recognition. *Angewandte Chemie - International Edition*, **2016**, 55, 6911-4	16.4	108

265	Guided Self-Propelled Leaping of Droplets on a Micro-Anisotropic Superhydrophobic Surface. *Angewandte Chemie - International Edition*, **2016**, 55, 4265-9	16.4	108
264	A general printing approach for scalable growth of perovskite single-crystal films. *Science Advances*, **2018**, 4, eaat2390	14.3	101
263	Self-Healable Organogel Nanocomposite with Angle-Independent Structural Colors. *Angewandte Chemie - International Edition*, **2017**, 56, 10462-10466	16.4	99
262	Recent advances in colloidal photonic crystal sensors: Materials, structures and analysis methods. *Nano Today*, **2018**, 22, 132-144	17.9	99
261	Fabrication of Nanoscale Circuits on Inkjet-Printing Patterned Substrates. *Advanced Materials*, **2015**, 27, 3928-33	24	96
260	Photochromic sensors: a versatile approach for recognition and discrimination. *Journal of Materials Chemistry C*, **2015**, 3, 9265-9275	7.1	95
259	All-printed 3D hierarchically structured cellulose aerogel based triboelectric nanogenerator for multi-functional sensors. *Nano Energy*, **2019**, 63, 103885	17.1	95
258	Patterning fluorescent quantum dot nanocomposites by reactive inkjet printing. *Small*, **2015**, 11, 1649-54	11	94
257	Highly Brilliant Noniridescent Structural Colors Enabled by Graphene Nanosheets Containing Graphene Quantum Dots. *Advanced Functional Materials*, **2018**, 28, 1802585	15.6	94
256	Printing assembly and structural regulation of graphene towards three-dimensional flexible micro-supercapacitors. *Journal of Materials Chemistry A*, **2017**, 5, 16281-16288	13	92
255	Electrically Tunable Polypyrrole Inverse Opals with Switchable Stopband, Conductivity, and Wettability. *Chemistry of Materials*, **2008**, 20, 3554-3556	9.6	92
254	Controllable Underwater Oil-Adhesion-Interface Films Assembled from Nonspherical Particles. *Advanced Functional Materials*, **2011**, 21, 4436-4441	15.6	90
253	Ultra-fast fabrication of colloidal photonic crystals by spray coating. *Macromolecular Rapid Communications*, **2009**, 30, 598-603	4.8	88
252	Bio-inspired vertebral design for scalable and flexible perovskite solar cells. *Nature Communications*, **2020**, 11, 3016	17.4	86
251	Direct-writing colloidal photonic crystal microfluidic chips by inkjet printing for label-free protein detection. *Lab on A Chip*, **2012**, 12, 3089-95	7.2	86
250	Flexible Circuits and Soft Actuators by Printing Assembly of Graphene. *ACS Applied Materials & Interfaces*, **2016**, 8, 12369-76	9.5	85
249	A light-responsive release platform by controlling the wetting behavior of hydrophobic surface. *ACS Nano*, **2014**, 8, 744-51	16.7	84
248	Diffraction-Grated Perovskite Induced Highly Efficient Solar Cells through Nanophotonic Light Trapping. *Advanced Energy Materials*, **2018**, 8, 1702960	21.8	82

247	A general strategy for assembling nanoparticles in one dimension. *Advanced Materials*, **2014**, 26, 2501-7	24	81
246	Direct-Writing Multifunctional Perovskite Single Crystal Arrays by Inkjet Printing. *Small*, **2017**, 13, 1603217	11	80
245	Elaborate positioning of nanowire arrays contributed by highly adhesive superhydrophobic pillar-structured substrates. *Advanced Materials*, **2012**, 24, 559-64	24	80
244	Patterned photonic crystals fabricated by inkjet printing. *Journal of Materials Chemistry C*, **2013**, 1, 6048	7.1	80
243	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		79
242	Control over the Wettability of Colloidal Crystal Films by Assembly Temperature. *Macromolecular Rapid Communications*, **2006**, 27, 188-192	4.8	79
241	Spontaneous droplets gyrating via asymmetric self-splitting on heterogeneous surfaces. *Nature Communications*, **2019**, 10, 950	17.4	78
240	Splitting a droplet for femtoliter liquid patterns and single cell isolation. *ACS Applied Materials & Interfaces*, **2015**, 7, 9060-5	9.5	78
239	A general patterning approach by manipulating the evolution of two-dimensional liquid foams. *Nature Communications*, **2017**, 8, 14110	17.4	77
238	Nacre-inspired crystallization and elastic "brick-and-mortar" structure for a wearable perovskite solar module. *Energy and Environmental Science*, **2019**, 12, 979-987	35.4	77
237	Amplification of fluorescent contrast by photonic crystals in optical storage. *Advanced Materials*, **2010**, 22, 1237-41	24	77
236	Highly reproducible SERS arrays directly written by inkjet printing. *Nanoscale*, **2015**, 7, 421-5	7.7	73
235	Solid-state fluorescence enhancement of organic dyes by photonic crystals. *Journal of Materials Chemistry*, **2007**, 17, 90-94		73
234	Low-Dimensional Dion-Jacobson-Phase Lead-Free Perovskites for High-Performance Photovoltaics with Improved Stability. *Angewandte Chemie - International Edition*, **2020**, 59, 6909-6914	16.4	72
233	Direct Conversion of CH3NH3PbI3 from Electrodeposited PbO for Highly Efficient Planar Perovskite Solar Cells. *Scientific Reports*, **2015**, 5, 15889	4.9	72
232	Programmable droplet manipulation by a magnetic-actuated robot. *Science Advances*, **2020**, 6, eaay5808	14.3	71
231	Small molecular nanowire arrays assisted by superhydrophobic pillar-structured surfaces with high adhesion. *Advanced Materials*, **2012**, 24, 2780-5	24	71
230	One-Step Inkjet Printed Perovskite in Air for Efficient Light Harvesting. *Solar Rrl*, **2018**, 2, 1700217	7.1	68

229	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	10.3	66
228	Patterned photonic crystals for hiding information. *Journal of Materials Chemistry C*, **2017**, 5, 4621-4628	7.1	65
227	Healable green hydrogen bonded networks for circuit repair, wearable sensor and flexible electronic devices. *Journal of Materials Chemistry A*, **2017**, 5, 13138-13144	13	64
226	Water-Resistant and Flexible Perovskite Solar Cells via a Glued Interfacial Layer. *Advanced Functional Materials*, **2019**, 29, 1902629	15.6	64
225	Low-Dimensional Perovskites with Diammonium and Monoammonium Alternant Cations for High-Performance Photovoltaics. *Advanced Materials*, **2019**, 31, e1901966	24	63
224	Inkjet printing controllable footprint lines by regulating the dynamic wettability of coalescing ink droplets. *ACS Applied Materials & Interfaces*, **2014**, 6, 13344-8	9.5	63
223	Three-dimensional multi-recognition flexible wearable sensor via graphene aerogel printing. *Chemical Communications*, **2016**, 52, 10948-51	5.8	63
222	Fabrication of functional colloidal photonic crystals based on well-designed latex particles. *Journal of Materials Chemistry*, **2011**, 21, 14113		62
221	Hydrogen-Bonding-Driven Wettability Change of Colloidal Crystal Films: From Superhydrophobicity to Superhydrophilicity. *Chemistry of Materials*, **2006**, 18, 4984-4986	9.6	62
220	Bioinspired Micropatterned Superhydrophilic Au-Areoles for Surface-Enhanced Raman Scattering (SERS) Trace Detection. *Advanced Functional Materials*, **2018**, 28, 1800448	15.6	61
219	Emerging Progress of Inkjet Technology in Printing Optical Materials. *Advanced Optical Materials*, **2016**, 4, 1915-1932	8.1	60
218	Four-Dimensional Screening Anti-Counterfeiting Pattern by Inkjet Printed Photonic Crystals. *Chemistry - an Asian Journal*, **2016**, 11, 2680-2685	4.5	59
217	Clinging-Microdroplet Patterning Upon High-Adhesion, Pillar-Structured Silicon Substrates. *Advanced Functional Materials*, **2011**, 21, 3297-3307	15.6	59
216	Hierarchical TiO2 photonic crystal spheres prepared by spray drying for highly efficient photocatalysis. *Journal of Materials Chemistry A*, **2013**, 1, 541-547	13	57
215	Electronic Textile by Dyeing Method for Multiresolution Physical Kineses Monitoring. *Advanced Electronic Materials*, **2017**, 3, 1700253	6.4	54
214	Fabrication of Patterned Concave Microstructures by Inkjet Imprinting. *Advanced Functional Materials*, **2015**, 25, 3286-3294	15.6	53
213	Inkjet-printed highly conductive transparent patterns with water based Ag-doped graphene. *Journal of Materials Chemistry A*, **2014**, 2, 19095-19101	13	53
212	Utilizing superhydrophilic materials to manipulate oil droplets arbitrarily in water. *Soft Matter*, **2011**, 7, 5144	3.6	53

211	Highly effective protein detection for avidin-biotin system based on colloidal photonic crystals enhanced fluoroimmunoassay. *Biosensors and Bioelectronics*, **2011**, 26, 2165-70	11.8	52
210	Light-Driven ATP Transmembrane Transport Controlled by DNA Nanomachines. *Journal of the American Chemical Society*, **2018**, 140, 16048-16052	16.4	51
209	From colloidal particles to photonic crystals: advances in self-assembly and their emerging applications. *Chemical Society Reviews*, **2021**, 50, 5898-5951	58.5	51
208	A novel compact DPP dye with enhanced light harvesting and charge transfer properties for highly efficient DSCs. *Journal of Materials Chemistry A*, **2013**, 1, 4858	13	43
207	A Butterfly-Inspired Hierarchical Light-Trapping Structure towards a High-Performance Polarization-Sensitive Perovskite Photodetector. *Angewandte Chemie - International Edition*, **2019**, 58, 16456-16462	16.4	42
206	Polyethyleneimine High-Energy Hydrophilic Surface Interfacial Treatment toward Efficient and Stable Perovskite Solar Cells. *ACS Applied Materials & Interfaces*, **2016**, 8, 32574-32580	9.5	41
205	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	7.1	40
204	Controllable Growth of High-Quality Inorganic Perovskite Microplate Arrays for Functional Optoelectronics. *Advanced Materials*, **2020**, 32, e1908006	24	39
203	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	13	38
202	A photochromic sensor microchip for high-performance multiplex metal ions detection. *Scientific Reports*, **2015**, 5, 9724	4.9	38
201	Ultrasensitive DNA Detection Using Photonic Crystals. *Angewandte Chemie*, **2008**, 120, 7368-7372	3.6	38
200	Graphene: Diversified Flexible 2D Material for Wearable Vital Signs Monitoring. *Advanced Materials Technologies*, **2018**, 4, 1800574	6.8	38
199	Printable Nanomaterials for the Fabrication of High-Performance Supercapacitors. *Nanomaterials*, **2018**, 8,	5.4	37
198	Size Fractionation of Graphene Oxide Nanosheets via Controlled Directional Freezing. *Journal of the American Chemical Society*, **2017**, 139, 12517-12523	16.4	37
197	Manipulating Oil Droplets by Superamphiphobic Nozzle. *Small*, **2015**, 11, 4837-43	11	37
196	Tough photonic crystals fabricated by photo-crosslinkage of latex spheres. *Macromolecular Rapid Communications*, **2009**, 30, 509-14	4.8	37
195	Fabrication of closed-cell polyimide inverse opal photonic crystals with excellent mechanical properties and thermal stability. *Journal of Materials Chemistry*, **2008**, 18, 2262		37
194	Printable Functional Chips Based on Nanoparticle Assembly. *Small*, **2017**, 13, 1503339	11	36

193	Closed-air induced composite wetting on hydrophilic ordered nanoporous anodic alumina. *Applied Physics Letters*, **2010**, 97, 233107	3.4	36
192	A push–pull thienoquinoidal chromophore for highly efficient p-type dye-sensitized solar cells. *Journal of Materials Chemistry A*, **2015**, 3, 7695-7698	13	34
191	Droplet Precise Self-Splitting on Patterned Adhesive Surfaces for Simultaneous Multidetection. *Angewandte Chemie - International Edition*, **2020**, 59, 10535-10539	16.4	34
190	Janus Structural Color from a 2D Photonic Crystal Hybrid with a Fabry–Perot Cavity. *Advanced Optical Materials*, **2018**, 6, 1800651	8.1	34
189	A 2,7-pyrene-based dye for solar cell application. *New Journal of Chemistry*, **2014**, 38, 4404	3.6	34
188	High efficient perovskite whispering-gallery solar cells. *Nano Energy*, **2018**, 51, 556-562	17.1	34
187	Ink Engineering of Inkjet Printing Perovskite. *ACS Applied Materials & Interfaces*, **2020**, 12, 39082-39091	9.1	33
186	A 3D Self-Shaping Strategy for Nanoresolution Multicomponent Architectures. *Advanced Materials*, **2018**, 30, 1703963	24	33
185	Patterned Wettability Surface for Competition-Driving Large-Grained Perovskite Solar Cells. *Advanced Energy Materials*, **2019**, 9, 1900838	21.8	32
184	Wearable Power Source: A Newfangled Feasibility for Perovskite Photovoltaics. *ACS Energy Letters*, **2019**, 4, 1065-1072	20.1	32
183	Inkjet printing bendable circuits based on an oil-water interface reaction. *Applied Surface Science*, **2018**, 445, 391-397	6.7	32
182	Facile fabrication of a superhydrophilic–superhydrophobic patterned surface by inkjet printing a sacrificial layer on a superhydrophilic surface. *RSC Advances*, **2016**, 6, 31470-31475	3.7	32
181	Inkjet print microchannels based on a liquid template. *Lab on A Chip*, **2015**, 15, 1759-64	7.2	32
180	3D Printing a Biomimetic Bridge-Arch Solar Evaporator for Eliminating Salt Accumulation with Desalination and Agricultural Applications. *Advanced Materials*, **2021**, 33, e2102443	24	32
179	Swarm Intelligence-Inspired Spontaneous Fabrication of Optimal Interconnect at the Micro/Nanoscale. *Advanced Materials*, **2017**, 29, 1605223	24	31
178	Twenty natural amino acids identification by a photochromic sensor chip. *Analytical Chemistry*, **2015**, 87, 837-42	7.8	30
177	Programmed Coassembly of One-Dimensional Binary Superstructures by Liquid Soft Confinement. *Journal of the American Chemical Society*, **2018**, 140, 18-21	16.4	30
176	Tautomeric Molecule Acts as a "Sunscreen" for Metal Halide Perovskite Solar Cells. *Angewandte Chemie - International Edition*, **2021**, 60, 8673-8677	16.4	30

175	Methylamine-assisted growth of uniaxial-oriented perovskite thin films with millimeter-sized grains. *Nature Communications*, **2020**, 11, 5402	17.4	29
174	A General Approach for Fluid Patterning and Application in Fabricating Microdevices. *Advanced Materials*, **2018**, 30, e1802172	24	29
173	Efficient luminescence of long persistent phosphor combined with photonic crystal. *ACS Applied Materials & Interfaces*, **2014**, 6, 6317-21	9.5	29
172	Fabrication of methylammonium bismuth iodide through interdiffusion of solution-processed BiI3/CH3NH3I stacking layers. *RSC Advances*, **2017**, 7, 43826-43830	3.7	29
171	Elaborately Aligning Bead-Shaped Nanowire Arrays Generated by a Superhydrophobic Micropillar Guiding Strategy. *Advanced Functional Materials*, **2012**, 22, 4569-4576	15.6	29
170	Transparent Ag@Au graphene patterns with conductive stability via inkjet printing. *Journal of Materials Chemistry C*, **2017**, 5, 2800-2806	7.1	28
169	Direct Writing of Patterned, Lead-Free Nanowire Aligned Flexible Piezoelectric Device. *Advanced Science*, **2016**, 3, 1600120	13.6	28
168	Fabrication of Bendable Circuits on a Polydimethylsiloxane (PDMS) Surface by Inkjet Printing Semi-Wrapped Structures. *Materials*, **2016**, 9,	3.5	28
167	Interface manipulation for printing three-dimensional microstructures under magnetic guiding. *Small*, **2015**, 11, 1900-4	11	27
166	Solution-processed electronics for artificial synapses. *Materials Horizons*, **2021**, 8, 447-470	14.4	27
165	Low-temperature interfacial engineering for flexible CsPbI2Br perovskite solar cells with high performance beyond 15%. *Journal of Materials Chemistry A*, **2020**, 8, 5308-5314	13	26
164	A Rainbow Structural-Color Chip for Multisaccharide Recognition. *Angewandte Chemie*, **2016**, 128, 7025-7028	3.6	26
163	Bubble Architectures for Locally Resonant Acoustic Metamaterials. *Advanced Functional Materials*, **2019**, 29, 1906984	15.6	25
162	Bio-Inspired Photonic-Crystal Microchip for Fluorescent Ultratrace Detection. *Angewandte Chemie*, **2014**, 126, 5901-5905	3.6	25
161	Guided Self-Propelled Leaping of Droplets on a Micro-Anisotropic Superhydrophobic Surface. *Angewandte Chemie*, **2016**, 128, 4337-4341	3.6	25
160	Large-area, crack-free polysilazane-based photonic crystals. *Journal of Materials Chemistry*, **2012**, 22, 5300		24
159	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	9.5	24
158	Enhanced Efficiency of Perovskite Solar Cells by using Core Ultrathin Shell Structure Ag@SiO2 Nanowires as Plasmonic Antennas. *Advanced Electronic Materials*, **2017**, 3, 1700169	6.4	23

157	Cementitious grain-boundary passivation for flexible perovskite solar cells with superior environmental stability and mechanical robustness. *Science Bulletin*, **2021**, 66, 527-535	10.6	23
156	Bioinspired Color Switchable Photonic Crystal Silicone Elastomer Kirigami. *Angewandte Chemie - International Edition*, **2021**, 60, 14307-14312	16.4	22
155	A Novel Strategy for Scalable High-Efficiency Planar Perovskite Solar Cells with New Precursors and Cation Displacement Approach. *Advanced Materials*, **2018**, 30, e1804454	24	22
154	A Multi-stopband Photonic-Crystal Microchip for High-Performance Metal-Ion Recognition Based on Fluorescent Detection. *Angewandte Chemie*, **2013**, 125, 7437-7440	3.6	20
153	Continuous 3D printing from one single droplet. *Nature Communications*, **2020**, 11, 4685	17.4	20
152	Mechanically Robust and Flexible Perovskite Solar Cells via a Printable and Gelatinous Interface. *ACS Applied Materials & Interfaces*, **2021**, 13, 19959-19969	9.5	20
151	Defect Passivation by a D□D Type Hole-Transporting Interfacial Layer for Efficient and Stable Perovskite Solar Cells. *ACS Energy Letters*, **2021**, 6, 2030-2037	20.1	20
150	Fabrication of Silver Mesh/Grid and Its Applications in Electronics. *ACS Applied Materials & Interfaces*, **2021**, 13, 3493-3511	9.5	20
149	Plasmonic Biomimetic Nanocomposite with Spontaneous Subwavelength Structuring as Broadband Absorbers. *ACS Energy Letters*, **2018**, 3, 1578-1583	20.1	20
148	Precise Assembly of Particles for Zigzag or Linear Patterns. *Angewandte Chemie - International Edition*, **2017**, 56, 15348-15352	16.4	19
147	Steerable Droplet Bouncing for Precise Materials Transportation. *Advanced Materials Interfaces*, **2019**, 6, 1901033	4.6	19
146	Progress of nanoscience in China. *Frontiers of Physics*, **2014**, 9, 257-288	3.7	19
145	Self-Healable Organogel Nanocomposite with Angle-Independent Structural Colors. *Angewandte Chemie*, **2017**, 129, 10598-10602	3.6	19
144	Printable Smart Materials and Devices: Strategies and Applications. *Chemical Reviews*, **2021**,	68.1	19
143	Interfacial modification towards highly efficient and stable perovskite solar cells. *Nanoscale*, **2020**, 12, 18563-18575	7.7	18
142	Design of Low Bandgap CsPb Sn I Br Perovskite Solar Cells with Excellent Phase Stability. *Small*, **2021**, 17, e2101380	11	18
141	Tailored Porphyrin Assembly at the Oil□Aqueous Interface Based on the Receding of Three-Phase Contact Line of Droplet Template. *Advanced Materials Interfaces*, **2015**, 2, 1400365	4.6	17
140	Printing 1D Assembly Array of Single Particle Resolution for Magnetosensing. *Small*, **2018**, 14, e1800117	11	17

139	Spider-web inspired multi-resolution graphene tactile sensor. *Chemical Communications*, **2018**, 54, 4810-4813	5.8	17
138	The Ag shell thickness effect of Au@Ag@SiO2 core-shell nanoparticles on the optoelectronic performance of dye sensitized solar cells. *Chemical Communications*, **2016**, 52, 2390-3	5.8	17
137	Bioinspired Patterned Bubbles for Broad and Low-Frequency Acoustic Blocking. *ACS Applied Materials & Interfaces*, **2020**, 12, 1757-1764	9.5	17
136	Solution-processed organic semiconductor crystals for field-effect transistors: from crystallization mechanism towards morphology control. *Journal of Materials Chemistry C*, **2021**, 9, 1126-1149	7.1	17
135	Designable structural coloration by colloidal particle assembly: from nature to artificial manufacturing. *IScience*, **2021**, 24, 102121	6.1	17
134	Formation of Multicomponent Size-Sorted Assembly Patterns by Tunable Templated Dewetting. *Angewandte Chemie - International Edition*, **2018**, 57, 16126-16130	16.4	17
133	A Butterfly-Inspired Hierarchical Light-Trapping Structure towards a High-Performance Polarization-Sensitive Perovskite Photodetector. *Angewandte Chemie*, **2019**, 131, 16608-16614	3.6	16
132	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	13	16
131	Fabricating High-Resolution Metal Pattern with Inkjet Printed Water-Soluble Sacrificial Layer. *ACS Applied Materials & Interfaces*, **2020**, 12, 22108-22114	9.5	16
130	Rayleigh Instability-Assisted Satellite Droplets Elimination in Inkjet Printing. *ACS Applied Materials & Interfaces*, **2017**, 9, 41521-41528	9.5	16
129	A free-blockage controlled release system based on the hydrophobic/hydrophilic conversion of mesoporous silica nanopores. *Chemistry - A European Journal*, **2015**, 21, 2680-5	4.8	15
128	Preparation of patterned ultrathin polymer films. *Langmuir*, **2014**, 30, 9436-41	4	15
127	A novel ruthenium-free TiO2 sensitizer consisting of di-p-tolylaminophenyl ethylenedioxythiophene and cyanoacrylate groups. *New Journal of Chemistry*, **2009**, 33, 1973	3.6	15
126	Charge-Carrier Transport in Quasi-2D Ruddlesden-Popper Perovskites Solar Cells. *Advanced Materials*, **2021**, e2106822	24	15
125	Patterning a Superhydrophobic Area on a Facile Fabricated Superhydrophilic Layer Based on an Inkjet-Printed Water-Soluble Polymer Template. *Langmuir*, **2020**, 36, 9952-9959	4	15
124	Moir Perovskite Photodetector toward High-Sensitive Digital Polarization Imaging. *Advanced Energy Materials*, **2021**, 11, 2100742	21.8	15
123	Sliding three-phase contact line of printed droplets for single-crystal arrays. *Nanotechnology*, **2016**, 27, 184002	3.4	15
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