

Yan-Lin Song

List of Publications by Year in Descending Order

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Version: 2024-04-23

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Pen-writing high-quality perovskite films and degradable optoelectronic devices.. <i>RSC Advances</i> , 2022 , 12, 3924-3930	3.7	1
299	Patterning Assembly of Colloidal Particles 2022 , 305-329		
298	Research Progress on Nano Photonics Technology-based SARS-CoV-2 Detection?. <i>Acta Chimica Sinica</i> , 2022 , 80, 80	3.3	
297	Two-dimensional perovskites: Impacts of species, components, and properties of organic spacers on solar cells. <i>Nano Today</i> , 2022 , 43, 101394	17.9	8
296	Recent Progress in Responsive Structural Color.. <i>Journal of Physical Chemistry Letters</i> , 2022 , 2885-2900	6.4	4
295	Adjustable object floating states based on three-segment three-phase contact line evolution.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022 , 119, e2201665119 ^{11.5}		
294	Reconfigurable Magnetic Liquid Metal Robot for High-Performance Droplet Manipulation.. <i>Nano Letters</i> , 2022 ,	11.5	9
293	A Direct Writing Approach for Organic Semiconductor Single-Crystal Patterns with Unique Orientation.. <i>Advanced Materials</i> , 2022 , e2200928	24	3
292	Non-Hookean Droplet Spring for Enhancing Hydropower Harvest.. <i>Small</i> , 2022 , e2200875	11	1
291	Water-Dispersing Perovskite Probes for the Rapid Imaging of Glioma Cells. <i>Advanced Optical Materials</i> , 2022 , 10, 2101835	8.1	0
290	Nacre inspired robust self-encapsulating flexible perovskite photodetector. <i>Nano Energy</i> , 2022 , 98, 107254 ¹¹	5.1	3
289	All-printed nanophotonic biochip for point-of-care testing of biomarkers.. <i>Science Bulletin</i> , 2022 , 67, 1191616 ¹⁰	16.9	0
288	Bioinspired Quasi-3D Multiplexed Anti-Counterfeit Imaging via Self-Assembled and Nanoimprinted Photonic Architectures. <i>Advanced Materials</i> , 2021 , e2107243	24	14
287	Tuning Intermolecular Interaction of Peptide-Conjugated AIEgen in Nano-Confined Space for Quantitative Detection of Tumor Marker Secreted from Cells. <i>Analytical Chemistry</i> , 2021 , 93, 16257-16263 ^{7.8}	7.8	3
286	Breaking the symmetry to suppress the Plateau-Rayleigh instability and optimize hydropower utilization. <i>Nature Communications</i> , 2021 , 12, 6899	17.4	5
285	Vapor-induced marangoni coating for organic functional films. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 17518-17525	7.1	2
284	Charge-Carrier Transport in Quasi-2D Ruddlesden-Popper Perovskites Solar Cells. <i>Advanced Materials</i> , 2021 , e2106822	24	15

283	Luminescence Ratiometric Nanothermometry Regulated by Tailoring Annihilators of Triplet-Triplet Annihilation Upconversion Nanomicelles. <i>Angewandte Chemie</i> , 2021 , 133, 26929	3.6	
282	Luminescence Ratiometric Nanothermometry Regulated by Tailoring Annihilators of Triplet-Triplet Annihilation Upconversion Nanomicelles. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 26725-26733	16.4	4
281	Suppressing the Step Effect of 3D Printing for Constructing Contact Lenses. <i>Advanced Materials</i> , 2021 , e2107249	24	4
280	Röntgenbild: Tautomeric Molecule Acts as a Sunscreen for Metal Halide Perovskite Solar Cells (Angew. Chem. 16/2021). <i>Angewandte Chemie</i> , 2021 , 133, 9228-9228	3.6	
279	A Diverse Micromorphology of Photonic Crystal Chips for Multianalyte Sensing. <i>Small</i> , 2021 , 17, e2006723	23	8
278	Colorful Efficient Moiré Perovskite Solar Cells. <i>Advanced Materials</i> , 2021 , 33, e2008091	24	13
277	Low-temperature processed Tantalum/ Niobium co-doped TiO ₂ electron transport layer for high-performance planar perovskite solar cells. <i>Nanotechnology</i> , 2021 ,	3.4	8
276	Mechanically Robust and Flexible Perovskite Solar Cells via a Printable and Gelatinous Interface. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 19959-19969	9.5	20
275	Bioinspired Color Switchable Photonic Crystal Silicone Elastomer Kirigami. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 14307-14312	16.4	22
274	Self-Driven Multiplex Reaction: Reactant and Product Diffusion via a Transpiration-Inspired Capillary. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 22031-22039	9.5	1
273	Defect Passivation by a DAD Type Hole-Transporting Interfacial Layer for Efficient and Stable Perovskite Solar Cells. <i>ACS Energy Letters</i> , 2021 , 6, 2030-2037	20.1	20
272	Moiré Perovskite Photodetector toward High-Sensitive Digital Polarization Imaging. <i>Advanced Energy Materials</i> , 2021 , 11, 2100742	21.8	15
271	Design of Low Bandgap CsPb Sn I Br Perovskite Solar Cells with Excellent Phase Stability. <i>Small</i> , 2021 , 17, e2101380	11	18
270	A Bubble-Assisted Approach for Patterning Nanoscale Molecular Aggregates. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 16547-16553	16.4	4
269	A Bubble-Assisted Approach for Patterning Nanoscale Molecular Aggregates. <i>Angewandte Chemie</i> , 2021 , 133, 16683-16689	3.6	
268	Releasing Nanocapsules for High-Throughput Printing of Stable Perovskite Solar Cells. <i>Advanced Energy Materials</i> , 2021 , 11, 2101291	21.8	3
267	Cementitious grain-boundary passivation for flexible perovskite solar cells with superior environmental stability and mechanical robustness. <i>Science Bulletin</i> , 2021 , 66, 527-535	10.6	23
266	A fluid-guided printing strategy for patterning high refractive index photonic microarrays. <i>Science Bulletin</i> , 2021 , 66, 250-256	10.6	8

265	Controllable excitation-dependent fluorescence triggered by the increasing graphitic nitrogen in carbon dots and its application in multi-analyte detection. <i>Dyes and Pigments</i> , 2021 , 184, 108772	4.6	1
264	Solution-processed electronics for artificial synapses. <i>Materials Horizons</i> , 2021 , 8, 447-470	14.4	27
263	Solution-processed organic semiconductor crystals for field-effect transistors: from crystallization mechanism towards morphology control. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 1126-1149	7.1	17
262	Vapor-Induced Liquid Collection and Microfluidics on Superlyophilic Substrates. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 3454-3462	9.5	4
261	Methylamine-assisted secondary grain growth for CH ₃ NH ₃ PbI ₃ perovskite films with large grains and a highly preferred orientation. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 7625-7630	13	4
260	Fabrication of Silver Mesh/Grid and Its Applications in Electronics. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 3493-3511	9.5	20
259	Designable structural coloration by colloidal particle assembly: from nature to artificial manufacturing. <i>iScience</i> , 2021 , 24, 102121	6.1	17
258	Tautomeric Molecule Acts as a Sunscreen for Metal Halide Perovskite Solar Cells. <i>Angewandte Chemie</i> , 2021 , 133, 8755-8759	3.6	1
257	Tautomeric Molecule Acts as a "Sunscreen" for Metal Halide Perovskite Solar Cells. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 8673-8677	16.4	30
256	Precise Droplet Manipulation Based on Surface Heterogeneity. <i>Accounts of Materials Research</i> , 2021 , 2, 230-241	7.5	8
255	3D Printing a Biomimetic Bridge-Arch Solar Evaporator for Eliminating Salt Accumulation with Desalination and Agricultural Applications. <i>Advanced Materials</i> , 2021 , 33, e2102443	24	32
254	Magnetic-actuated "capillary container" for versatile three-dimensional fluid interface manipulation. <i>Science Advances</i> , 2021 , 7,	14.3	6
253	Printable Smart Materials and Devices: Strategies and Applications. <i>Chemical Reviews</i> , 2021 ,	68.1	19
252	Printed Nanochain-Based Colorimetric Assay for Quantitative Virus Detection. <i>Angewandte Chemie</i> , 2021 , 133, 24436	3.6	2
251	Self-Driven Droplet Vehicle for Material Patterning. <i>Advanced Materials Interfaces</i> , 2021 , 8, 2101309	4.6	1
250	Printed Nanochain-Based Colorimetric Assay for Quantitative Virus Detection. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 24234-24240	16.4	6
249	Facile full-color printing with a single transparent ink. <i>Science Advances</i> , 2021 , 7, eabh1992	14.3	15
248	Marangoni Flow Manipulated Concentric Assembly of Cellulose Nanocrystals.. <i>Small Methods</i> , 2021 , 5, e2100690	12.8	3

247	Tunable Fluid-Type Metasurface for Wide-Angle and Multifrequency Water-Air Acoustic Transmission. <i>Research</i> , 2021 , 2021, 9757943	7.8	2
246	Highly efficient and stable inorganic CsPbBr ₃ perovskite solar cells via vacuum co-evaporation. <i>Applied Surface Science</i> , 2021 , 562, 150153	6.7	6
245	Embossed transparent electrodes assembled by bubble templates for efficient flexible perovskite solar cells. <i>Nano Energy</i> , 2021 , 89, 106384	17.1	11
244	From colloidal particles to photonic crystals: advances in self-assembly and their emerging applications. <i>Chemical Society Reviews</i> , 2021 , 50, 5898-5951	58.5	51
243	Skin-Driven Ultrasensitive Mechanoluminescence Sensor Inspired by Spider Leg Joint Slits.. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 60689-60696	9.5	1
242	Implementing Contact Angle Hysteresis in Moving Mesh-Based Two-Phase Flow Numerical Simulations.. <i>ACS Omega</i> , 2021 , 6, 35711-35717	3.9	0
241	Methylamine-assisted growth of uniaxial-oriented perovskite thin films with millimeter-sized grains. <i>Nature Communications</i> , 2020 , 11, 5402	17.4	29
240	Printed High-Density and Flexible Photodetector Arrays via Size-matched Heterogeneous Micro-/Nanostructure. <i>Advanced Optical Materials</i> , 2020 , 8, 2000370	8.1	8
239	Ring-Patterned Perovskite Single Crystals Fabricated by the Combination of Rigid and Flexible Templates. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 27786-27793	9.5	2
238	Bio-inspired vertebral design for scalable and flexible perovskite solar cells. <i>Nature Communications</i> , 2020 , 11, 3016	17.4	86
237	Non-Lithography Hydrodynamic Printing of Micro/Nanostructures on Curved Surfaces. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 14234-14240	16.4	7
236	Non-Lithography Hydrodynamic Printing of Micro/Nanostructures on Curved Surfaces. <i>Angewandte Chemie</i> , 2020 , 132, 14340-14346	3.6	
235	Rücktitelbild: Droplet Precise Self-Splitting on Patterned Adhesive Surfaces for Simultaneous Multidetector (Angew. Chem. 26/2020). <i>Angewandte Chemie</i> , 2020 , 132, 10754-10754	3.6	
234	Inkjet Printing of a Micro/Nanopatterned Surface to Serve as Microreactor Arrays. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 30962-30971	9.5	5
233	Controllable Growth of High-Quality Inorganic Perovskite Microplate Arrays for Functional Optoelectronics. <i>Advanced Materials</i> , 2020 , 32, e1908006	24	39
232	Controlled 3D nanoparticle deposition by drying of colloidal suspension in designed thin micro-porous architectures. <i>International Journal of Heat and Mass Transfer</i> , 2020 , 158, 120000	4.9	10
231	Low-Dimensional Dion-Jacobson-Phase Lead-Free Perovskites for High-Performance Photovoltaics with Improved Stability. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 6909-6914	16.4	72
230	Controlling the film structure by regulating 2D Ruddlesden-Popper perovskite formation enthalpy for efficient and stable tri-cation perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 5874-5881	13	16

229	Omnidirectional Photodetectors Based on Spatial Resonance Asymmetric Facade via a 3D Self-Standing Strategy. <i>Advanced Materials</i> , 2020 , 32, e1907280	24	6
228	Programmable droplet manipulation by a magnetic-actuated robot. <i>Science Advances</i> , 2020 , 6, eaay5808	14.3	71
227	Low-temperature interfacial engineering for flexible CsPbI ₂ Br perovskite solar cells with high performance beyond 15%. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 5308-5314	13	26
226	Droplet Precise Self-Splitting on Patterned Adhesive Surfaces for Simultaneous Multidetector. <i>Angewandte Chemie</i> , 2020 , 132, 10622-10626	3.6	
225	Droplet Precise Self-Splitting on Patterned Adhesive Surfaces for Simultaneous Multidetector. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 10535-10539	16.4	34
224	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. <i>Energy Technology</i> , 2020 , 8, 2000148	3.5	1
223	Fabricating High-Resolution Metal Pattern with Inkjet Printed Water-Soluble Sacrificial Layer. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 22108-22114	9.5	16
222	Highly efficient three-dimensional solar evaporator for high salinity desalination by localized crystallization. <i>Nature Communications</i> , 2020 , 11, 521	17.4	157
221	Controlled diffusion of nanoparticles by viscosity gradient for photonic crystal with dual photonic band gaps. <i>Nanotechnology</i> , 2020 , 31, 435604	3.4	2
220	Bioinspired Patterned Bubbles for Broad and Low-Frequency Acoustic Blocking. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 1757-1764	9.5	17
219	Efficient flexible perovskite solar cells based on a polymer additive. <i>Flexible and Printed Electronics</i> , 2020 , 5, 014001	3.1	14
218	Crack-free hematite inverse opal photo-anodes for enhancing photo-electrochemical water splitting. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 22929-22937	13	11
217	Recognition and location of motile microorganisms by shape-matching photoluminescence micropatterns. <i>Lab on a Chip</i> , 2020 , 20, 2975-2980	7.2	
216	Patterning a Superhydrophobic Area on a Facile Fabricated Superhydrophilic Layer Based on an Inkjet-Printed Water-Soluble Polymer Template. <i>Langmuir</i> , 2020 , 36, 9952-9959	4	15
215	Heterogeneous Wettability Surfaces: Principle, Construction, and Applications. <i>Small Structures</i> , 2020 , 1, 2000028	8.7	14
214	Interfacial modification towards highly efficient and stable perovskite solar cells. <i>Nanoscale</i> , 2020 , 12, 18563-18575	7.7	18
213	Inhibited-nanophase-separation modulated polymerization for recoverable ultrahigh-strain biobased shape memory polymers. <i>Materials Horizons</i> , 2020 , 7, 2760-2767	14.4	5
212	Efficiently Enhanced Triplet-Triplet Annihilation Upconversion Boosted by Multibandgaps Photonic Crystals. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 18482-18489	3.8	4

211	Ink Engineering of Inkjet Printing Perovskite. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 39082-39091	3.1	33
210	Dynamic investigation of gas-releasing chemical reactions through a photonic crystal. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 12800-12805	7.1	2
209	Evaporation Induced Spontaneous Micro-Vortexes through Engineering of the Marangoni Flow. <i>Angewandte Chemie</i> , 2020 , 132, 23892-23897	3.6	0
208	Continuous 3D printing from one single droplet. <i>Nature Communications</i> , 2020 , 11, 4685	17.4	20
207	Evaporation Induced Spontaneous Micro-Vortexes through Engineering of the Marangoni Flow. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 23684-23689	16.4	6
206	Deposition of CuBiSb ₂ Mesoporous TiO ₂ Film for Light Absorber in Solar Cells. <i>Journal of Nanoscience and Nanotechnology</i> , 2020 , 20, 7748-7752	1.3	1
205	In Situ Inkjet Printing of the Perovskite Single-Crystal Array-Embedded Polydimethylsiloxane Film for Wearable Light-Emitting Devices. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 22157-22162	9.5	24
204	A Butterfly-Inspired Hierarchical Light-Trapping Structure towards a High-Performance Polarization-Sensitive Perovskite Photodetector. <i>Angewandte Chemie</i> , 2019 , 131, 16608-16614	3.6	16
203	Nacre-inspired crystallization and elastic brick-and-mortar structure for a wearable perovskite solar module. <i>Energy and Environmental Science</i> , 2019 , 12, 979-987	35.4	77
202	Patterned Wettability Surface for Competition-Driving Large-Grained Perovskite Solar Cells. <i>Advanced Energy Materials</i> , 2019 , 9, 1900838	21.8	32
201	A General Layer-by-Layer Printing Method for Scalable High-Resolution Full-Color Flexible Luminescent Patterns. <i>Advanced Optical Materials</i> , 2019 , 7, 1900127	8.1	7
200	Patterned flexible graphene sensor via printing and interface assembly. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 6317-6322	7.1	5
199	Improved film morphology of (CH ₃ NH ₃) ₃ Bi ₂ I ₉ via cation displacement approach for lead-free perovskite solar cells. <i>Journal of Materials Science</i> , 2019 , 54, 10371-10378	4.3	7
198	A green solvent for operating highly efficient low-power photon upconversion in air. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 14516-14520	3.6	10
197	Spontaneous droplets gyrating via asymmetric self-splitting on heterogeneous surfaces. <i>Nature Communications</i> , 2019 , 10, 950	17.4	78
196	Domino Patterning of Water and Oil Induced by Emulsion Breaking. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 17960-17967	9.5	1
195	Fully Printed Flexible Crossbar Memory Devices with Tip-Enhanced Micro/Nanostructures. <i>Advanced Electronic Materials</i> , 2019 , 5, 1900131	6.4	8
194	Wearable Power Source: A Newfangled Feasibility for Perovskite Photovoltaics. <i>ACS Energy Letters</i> , 2019 , 4, 1065-1072	20.1	32

193	A Butterfly-Inspired Hierarchical Light-Trapping Structure towards a High-Performance Polarization-Sensitive Perovskite Photodetector. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 16456-16462	16.4	42
192	All-printed 3D hierarchically structured cellulose aerogel based triboelectric nanogenerator for multi-functional sensors. <i>Nano Energy</i> , 2019 , 63, 103885	17.1	95
191	A facile fabrication strategy for anisotropic photonic crystals using deformable spherical nanoparticles. <i>Nanoscale</i> , 2019 , 11, 14147-14154	7.7	8
190	Low-Dimensional Perovskites with Diammonium and Monoammonium Alternant Cations for High-Performance Photovoltaics. <i>Advanced Materials</i> , 2019 , 31, e1901966	24	63
189	Water-Resistant and Flexible Perovskite Solar Cells via a Glued Interfacial Layer. <i>Advanced Functional Materials</i> , 2019 , 29, 1902629	15.6	64
188	A Mechanically Robust Conducting Polymer Network Electrode for Efficient Flexible Perovskite Solar Cells. <i>Joule</i> , 2019 , 3, 2205-2218	27.8	111
187	Steerable Droplet Bouncing for Precise Materials Transportation. <i>Advanced Materials Interfaces</i> , 2019 , 6, 1901033	4.6	19
186	Bubble Architectures for Locally Resonant Acoustic Metamaterials. <i>Advanced Functional Materials</i> , 2019 , 29, 1906984	15.6	25
185	Fully Printed Geranium-Inspired Encapsulated Arrays for Quantitative Odor Releasing. <i>ACS Omega</i> , 2019 , 4, 19977-19982	3.9	2
184	Multi-mode structural-color anti-counterfeiting labels based on physically unclonable amorphous photonic structures with convenient artificial intelligence authentication. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 14069-14074	7.1	40
183	A stimuli responsive triplet-triplet annihilation upconversion system and its application as a ratiometric sensor for Fe ions.. <i>RSC Advances</i> , 2019 , 9, 36410-36415	3.7	11
182	Progress of electrically responsive photonic crystals. <i>Composites Communications</i> , 2019 , 12, 47-53	6.7	10
181	Dopamine-crosslinked TiO ₂ /perovskite layer for efficient and photostable perovskite solar cells under full spectral continuous illumination. <i>Nano Energy</i> , 2019 , 56, 733-740	17.1	143
180	Heterogeneous Integration of Three-Primary-Color Photoluminescent Nanoparticle Arrays with Defined Interfaces. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 1616-1623	9.5	11
179	Recent Advances in Multicomponent Particle Assembly. <i>Chemistry - A European Journal</i> , 2018 , 24, 16196-16208	16.2	87
178	Bioinspired Micropatterned Superhydrophilic Au-Areoles for Surface-Enhanced Raman Scattering (SERS) Trace Detection. <i>Advanced Functional Materials</i> , 2018 , 28, 1800448	15.6	61
177	Printing 1D Assembly Array of Single Particle Resolution for Magnetosensing. <i>Small</i> , 2018 , 14, e1800117	11	17
176	Spider-web inspired multi-resolution graphene tactile sensor. <i>Chemical Communications</i> , 2018 , 54, 4810-4813	4.8	17

175	Inkjet manipulated homogeneous large size perovskite grains for efficient and large-area perovskite solar cells. <i>Nano Energy</i> , 2018 , 46, 203-211	17.1	124
174	A Self-Growing Strategy for Large-Scale Crystal Assembly Tubes. <i>Chemistry - an Asian Journal</i> , 2018 , 13, 761-764	4.5	
173	One-Step Inkjet Printed Perovskite in Air for Efficient Light Harvesting. <i>Solar Rrl</i> , 2018 , 2, 1700217	7.1	68
172	Diffraction-Grated Perovskite Induced Highly Efficient Solar Cells through Nanophotonic Light Trapping. <i>Advanced Energy Materials</i> , 2018 , 8, 1702960	21.8	82
171	Designing Laplace Pressure Pattern for Microdroplet Manipulation. <i>Langmuir</i> , 2018 , 34, 639-645	4	9
170	Programmed Coassembly of One-Dimensional Binary Superstructures by Liquid Soft Confinement. <i>Journal of the American Chemical Society</i> , 2018 , 140, 18-21	16.4	30
169	Printable Skin-Driven Mechanoluminescence Devices via Nanodoped Matrix Modification. <i>Advanced Materials</i> , 2018 , 30, e1800291	24	108
168	Patterned Arrays of Functional Lateral Heterostructures via Sequential Template-Directed Printing. <i>Small</i> , 2018 , 14, e1800792	11	8
167	Inkjet printing bendable circuits based on an oil-water interface reaction. <i>Applied Surface Science</i> , 2018 , 445, 391-397	6.7	32
166	Strong Photonic-Band-Gap Effect on the Spontaneous Emission in 3D Lead Halide Perovskite Photonic Crystals. <i>ChemPhysChem</i> , 2018 , 19, 2101-2106	3.2	8
165	Strukturierte kolloidale photonische Kristalle. <i>Angewandte Chemie</i> , 2018 , 130, 2571-2581	3.6	10
164	Patterned Colloidal Photonic Crystals. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 2544-2553	16.4	282
163	A general printing approach for scalable growth of perovskite single-crystal films. <i>Science Advances</i> , 2018 , 4, eaat2390	14.3	101
162	Janus Structural Color from a 2D Photonic Crystal Hybrid with a FabryPerot Cavity. <i>Advanced Optical Materials</i> , 2018 , 6, 1800651	8.1	34
161	Printable Nanomaterials for the Fabrication of High-Performance Supercapacitors. <i>Nanomaterials</i> , 2018 , 8,	5.4	37
160	Microfiber-Knitted Crossweave Patterns for Multiresolution Physical Kineses Analysis Electronics. <i>Advanced Materials Technologies</i> , 2018 , 3, 1800107	6.8	8
159	AgSbS ₂ thin film fabricated by in-situ gas-solid reaction and employed in solar cells as a light absorber. <i>Materials Letters</i> , 2018 , 232, 82-85	3.3	6
158	31-1: Invited Paper: Green Printing Technology for Manufacturing Functional Devices. <i>Digest of Technical Papers SID International Symposium</i> , 2018 , 49, 395-396	0.5	

157	A General Approach for Fluid Patterning and Application in Fabricating Microdevices. <i>Advanced Materials</i> , 2018 , 30, e1802172	24	29
156	A 3D Self-Shaping Strategy for Nanoresolution Multicomponent Architectures. <i>Advanced Materials</i> , 2018 , 30, 1703963	24	33
155	A general strategy for printing colloidal nanomaterials into one-dimensional micro/nanolines. <i>Nanoscale</i> , 2018 , 10, 22374-22380	7.7	14
154	Formation of Multicomponent Size-Sorted Assembly Patterns by Tunable Templated Dewetting. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 16126-16130	16.4	17
153	Formation of Multicomponent Size-Sorted Assembly Patterns by Tunable Templated Dewetting. <i>Angewandte Chemie</i> , 2018 , 130, 16358-16362	3.6	6
152	Patterning Bubbles by the Stick-Slip Motion of the Advancing Triple Phase Line on Nanostructures. <i>Langmuir</i> , 2018 , 34, 15804-15811	4	4
151	Graphene: Diversified Flexible 2D Material for Wearable Vital Signs Monitoring. <i>Advanced Materials Technologies</i> , 2018 , 4, 1800574	6.8	38
150	Phase Pure 2D Perovskite for High-Performance 2D-3D Heterostructured Perovskite Solar Cells. <i>Advanced Materials</i> , 2018 , 30, e1805323	24	161
149	Light-Driven ATP Transmembrane Transport Controlled by DNA Nanomachines. <i>Journal of the American Chemical Society</i> , 2018 , 140, 16048-16052	16.4	51
148	A Novel Strategy for Scalable High-Efficiency Planar Perovskite Solar Cells with New Precursors and Cation Displacement Approach. <i>Advanced Materials</i> , 2018 , 30, e1804454	24	22
147	Recent advances in colloidal photonic crystal sensors: Materials, structures and analysis methods. <i>Nano Today</i> , 2018 , 22, 132-144	17.9	99
146	From 2D to 3D: a facile and effective procedure for fabrication of planar CH ₃ NH ₃ PbI ₃ perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 17867-17873	13	13
145	Bioinspired Synergy Sensor Chip of Photonic Crystals-Graphene Oxide for Multiamines Recognition. <i>Analytical Chemistry</i> , 2018 , 90, 6371-6375	7.8	11
144	Highly Brilliant Noniridescent Structural Colors Enabled by Graphene Nanosheets Containing Graphene Quantum Dots. <i>Advanced Functional Materials</i> , 2018 , 28, 1802585	15.6	94
143	Plasmonic Biomimetic Nanocomposite with Spontaneous Subwavelength Structuring as Broadband Absorbers. <i>ACS Energy Letters</i> , 2018 , 3, 1578-1583	20.1	20
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136	Printing assembly and structural regulation of graphene towards three-dimensional flexible micro-supercapacitors. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 16281-16288	13	92
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133	Inhibited/enhanced fluorescence of embedded fluorescent defects by manipulation of spontaneous emission based on photonic stopband. <i>RSC Advances</i> , 2017 , 7, 19737-19741	3.7	5
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130	Swarm Intelligence-Inspired Spontaneous Fabrication of Optimal Interconnect at the Micro/Nanoscale. <i>Advanced Materials</i> , 2017 , 29, 1605223	24	31
129	Direct-Writing Multifunctional Perovskite Single Crystal Arrays by Inkjet Printing. <i>Small</i> , 2017 , 13, 1603217	17	80
128	Wetting of Inkjet Polymer Droplets on Porous Alumina Substrates. <i>Langmuir</i> , 2017 , 33, 130-137	4	13
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126	Bioinspired Anti-Moiré Random Grids via Patterning Foams. <i>Advanced Optical Materials</i> , 2017 , 5, 1700751	8.1	14
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