

Huizeng Li

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378
papers

15,906
citations

70
h-index

114
g-index

425
ext. papers

18,863
ext. citations

10.7
avg, IF

7.01
L-index

#	Paper	IF	Citations
378	Bioinspired Design of a Superoleophobic and Low Adhesive Water/Solid Interface. <i>Advanced Materials</i> , 2009 , 21, 665-669	24	938
377	Applications of bio-inspired special wettable surfaces. <i>Advanced Materials</i> , 2011 , 23, 719-34	24	867
376	Controllable printing droplets for high-resolution patterns. <i>Advanced Materials</i> , 2014 , 26, 6950-8	24	300
375	Inkjet printing wearable electronic devices. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 2971-2993	7.1	291
374	Colorful humidity sensitive photonic crystal hydrogel. <i>Journal of Materials Chemistry</i> , 2008 , 18, 1116		287
373	Patterned Colloidal Photonic Crystals. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 2544-2553	16.4	282
372	Super-Hydrophobicity of Large-Area Honeycomb-Like Aligned Carbon Nanotubes. <i>Journal of Physical Chemistry B</i> , 2002 , 106, 9274-9276	3.4	267
371	Electrochemical Deposition of Conductive Superhydrophobic Zinc Oxide Thin Films. <i>Journal of Physical Chemistry B</i> , 2003 , 107, 9954-9957	3.4	263
370	Patterning of controllable surface wettability for printing techniques. <i>Chemical Society Reviews</i> , 2013 , 42, 5184-209	58.5	253
369	Bio-inspired photonic-crystal microchip for fluorescent ultratrace detection. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 5791-5	16.4	226
368	Superhydrophobic surfaces cannot reduce ice adhesion. <i>Applied Physics Letters</i> , 2012 , 101, 111603	3.4	218
367	Simple Fabrication of Full Color Colloidal Crystal Films with Tough Mechanical Strength. <i>Macromolecular Chemistry and Physics</i> , 2006 , 207, 596-604	2.6	204
366	Colloidal photonic crystals with narrow stopbands assembled from low-adhesive superhydrophobic substrates. <i>Journal of the American Chemical Society</i> , 2012 , 134, 17053-8	16.4	187
365	Inkjet Printing Patterned Photonic Crystal Domes for Wide Viewing-Angle Displays by Controlling the Sliding Three Phase Contact Line. <i>Advanced Optical Materials</i> , 2014 , 2, 34-38	8.1	185
364	Super-hydrophobic surfaces to condensed micro-droplets at temperatures below the freezing point retard ice/frost formation. <i>Soft Matter</i> , 2011 , 7, 3993	3.6	177
363	Controlled inkjetting of a conductive pattern of silver nanoparticles based on the coffee-ring effect. <i>Advanced Materials</i> , 2013 , 25, 6714-8	24	169
362	Recent Advances in Controlling the Depositing Morphologies of Inkjet Droplets. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 28086-99	9.5	169

361	Highly Fluorescent Contrast for Rewritable Optical Storage Based on Photochromic Bisthienylethene-Bridged Naphthalimide Dimer. <i>Chemistry of Materials</i> , 2006 , 18, 235-237	9.6	168
360	Phase Pure 2D Perovskite for High-Performance 2D-3D Heterostructured Perovskite Solar Cells. <i>Advanced Materials</i> , 2018 , 30, e1805323	24	161
359	Superoleophobic Surfaces with Controllable Oil Adhesion and Their Application in Oil Transportation. <i>Advanced Functional Materials</i> , 2011 , 21, 4270-4276	15.6	157
358	Highly efficient three-dimensional solar evaporator for high salinity desalination by localized crystallization. <i>Nature Communications</i> , 2020 , 11, 521	17.4	157
357	Hydrophilic-Hydrophobic Patterned Molecularly Imprinted Photonic Crystal Sensors for High-Sensitive Colorimetric Detection of Tetracycline. <i>Small</i> , 2015 , 11, 2738-42	11	149
356	Thermal-responsive hydrogel surface: tunable wettability and adhesion to oil at the water/solid interface. <i>Soft Matter</i> , 2010 , 6, 2708	3.6	136
355	Fabrication of Transparent Multilayer Circuits by Inkjet Printing. <i>Advanced Materials</i> , 2016 , 28, 1420-6	24	135
354	Hierarchically structured porous aluminum surfaces for high-efficient removal of condensed water. <i>Soft Matter</i> , 2012 , 8, 6680	3.6	134
353	Rate-dependent interface capture beyond the coffee-ring effect. <i>Scientific Reports</i> , 2016 , 6, 24628	4.9	133
352	Enhancement of photochemical hydrogen evolution over Pt-loaded hierarchical titania photonic crystal. <i>Energy and Environmental Science</i> , 2010 , 3, 1503	35.4	130
351	Organic Functional Molecules towards Information Processing and High-Density Information Storage. <i>Advanced Materials</i> , 2008 , 20, 2888-2898	24	130
350	Nanoparticle Based Curve Arrays for Multirecognition Flexible Electronics. <i>Advanced Materials</i> , 2016 , 28, 1369-74	24	129
349	Janus effect of antifreeze proteins on ice nucleation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 14739-14744	11.5	128
348	Graphene Oxide Restricts Growth and Recrystallization of Ice Crystals. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 997-1001	16.4	126
347	A multi-stopband photonic-crystal microchip for high-performance metal-ion recognition based on fluorescent detection. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 7296-9	16.4	126
346	Printing Patterned Fine 3D Structures by Manipulating the Three Phase Contact Line. <i>Advanced Functional Materials</i> , 2015 , 25, 2237-2242	15.6	125
345	Superoleophilic and Superhydrophobic Inverse Opals for Oil Sensors. <i>Advanced Functional Materials</i> , 2008 , 18, 3258-3264	15.6	109
344	Printable Skin-Driven Mechanoluminescence Devices via Nanodoped Matrix Modification. <i>Advanced Materials</i> , 2018 , 30, e1800291	24	108

343	A Rainbow Structural-Color Chip for Multisaccharide Recognition. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 6911-4	16.4	108
342	Guided Self-Propelled Leaping of Droplets on a Micro-Anisotropic Superhydrophobic Surface. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 4265-9	16.4	108
341	A general printing approach for scalable growth of perovskite single-crystal films. <i>Science Advances</i> , 2018 , 4, eaat2390	14.3	101
340	Self-Healable Organogel Nanocomposite with Angle-Independent Structural Colors. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 10462-10466	16.4	99
339	Recent advances in colloidal photonic crystal sensors: Materials, structures and analysis methods. <i>Nano Today</i> , 2018 , 22, 132-144	17.9	99
338	A Cation-Exchange Approach for the Fabrication of Efficient Methylammonium Tin Iodide Perovskite Solar Cells. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 6688-6692	16.4	98
337	Integrating Ionic Gate and Rectifier Within One Solid-State Nanopore via Modification with Dual-Responsive Copolymer Brushes. <i>Advanced Functional Materials</i> , 2010 , 20, 3561-3567	15.6	98
336	Fabrication of Nanoscale Circuits on Inkjet-Printing Patterned Substrates. <i>Advanced Materials</i> , 2015 , 27, 3928-33	24	96
335	Photochromic sensors: a versatile approach for recognition and discrimination. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 9265-9275	7.1	95
334	All-printed 3D hierarchically structured cellulose aerogel based triboelectric nanogenerator for multi-functional sensors. <i>Nano Energy</i> , 2019 , 63, 103885	17.1	95
333	Patterning fluorescent quantum dot nanocomposites by reactive inkjet printing. <i>Small</i> , 2015 , 11, 1649-54	11	94
332	Highly Brilliant Noniridescent Structural Colors Enabled by Graphene Nanosheets Containing Graphene Quantum Dots. <i>Advanced Functional Materials</i> , 2018 , 28, 1802585	15.6	94
331	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
330	Controllable Underwater Oil-Adhesion-Interface Films Assembled from Nonspherical Particles. <i>Advanced Functional Materials</i> , 2011 , 21, 4436-4441	15.6	90
329	Hierarchically macro-/mesoporous Ti-Si oxides photonic crystal with highly efficient photocatalytic capability. <i>Environmental Science & Technology</i> , 2009 , 43, 9425-31	10.3	90
328	Amplifying fluorescence sensing based on inverse opal photonic crystal toward trace TNT detection. <i>Journal of Materials Chemistry</i> , 2011 , 21, 1730-1735		87
327	Bio-inspired vertebral design for scalable and flexible perovskite solar cells. <i>Nature Communications</i> , 2020 , 11, 3016	17.4	86
326	Direct-writing colloidal photonic crystal microfluidic chips by inkjet printing for label-free protein detection. <i>Lab on A Chip</i> , 2012 , 12, 3089-95	7.2	86

325	Flexible Circuits and Soft Actuators by Printing Assembly of Graphene. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 12369-76	9.5	85
324	Diffraction-Grated Perovskite Induced Highly Efficient Solar Cells through Nanophotonic Light Trapping. <i>Advanced Energy Materials</i> , 2018 , 8, 1702960	21.8	82
323	A general strategy for assembling nanoparticles in one dimension. <i>Advanced Materials</i> , 2014 , 26, 2501-7	24	81
322	Direct-Writing Multifunctional Perovskite Single Crystal Arrays by Inkjet Printing. <i>Small</i> , 2017 , 13, 1603217	17	80
321	Patterned photonic crystals fabricated by inkjet printing. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 6048	7.1	80
320	Distinct ice patterns on solid surfaces with various wettabilities. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 11285-11290	11.5	79
319	Inkjet printed colloidal photonic crystal microdot with fast response induced by hydrophobic transition of poly(N-isopropyl acrylamide). <i>Journal of Materials Chemistry</i> , 2012 , 22, 21405		79
318	Control over the Wettability of Colloidal Crystal Films by Assembly Temperature. <i>Macromolecular Rapid Communications</i> , 2006 , 27, 188-192	4.8	79
317	Spontaneous droplets gyrating via asymmetric self-splitting on heterogeneous surfaces. <i>Nature Communications</i> , 2019 , 10, 950	17.4	78
316	Splitting a droplet for femtoliter liquid patterns and single cell isolation. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 9060-5	9.5	78
315	A general patterning approach by manipulating the evolution of two-dimensional liquid foams. <i>Nature Communications</i> , 2017 , 8, 14110	17.4	77
314	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
313	Superhydrophobic surface at low surface temperature. <i>Applied Physics Letters</i> , 2011 , 98, 093118	3.4	74
312	Highly reproducible SERS arrays directly written by inkjet printing. <i>Nanoscale</i> , 2015 , 7, 421-5	7.7	73
311	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
310	Direct Conversion of CH ₃ NH ₃ PbI ₃ from Electrodeposited PbO for Highly Efficient Planar Perovskite Solar Cells. <i>Scientific Reports</i> , 2015 , 5, 15889	4.9	72
309	Programmable droplet manipulation by a magnetic-actuated robot. <i>Science Advances</i> , 2020 , 6, eaay5808	14.3	71
308	Novel amphoteric ion exchange membranes by blending sulfonated poly(ether ether ketone)/quaternized poly(ether imide) for vanadium redox flow battery applications. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 17590-17597	13	70

307	One-Step Inkjet Printed Perovskite in Air for Efficient Light Harvesting. <i>Solar Rrl</i> , 2018 , 2, 1700217	7.1	68
306	Thermochromic core-shell nanofibers fabricated by melt coaxial electrospinning. <i>Journal of Applied Polymer Science</i> , 2009 , 112, 269-274	2.9	67
305	Large-area crack-free single-crystal photonic crystals via combined effects of polymerization-assisted assembly and flexible substrate. <i>NPG Asia Materials</i> , 2012 , 4, e21-e21	10.3	66
304	Patterned photonic crystals for hiding information. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 4621-4628	7.1	65
303	Healable green hydrogen bonded networks for circuit repair, wearable sensor and flexible electronic devices. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 13138-13144	13	64
302	Water-Resistant and Flexible Perovskite Solar Cells via a Glued Interfacial Layer. <i>Advanced Functional Materials</i> , 2019 , 29, 1902629	15.6	64
301	Low-Dimensional Perovskites with Diammonium and Monoammonium Alternant Cations for High-Performance Photovoltaics. <i>Advanced Materials</i> , 2019 , 31, e1901966	24	63
300	Three-dimensional multi-recognition flexible wearable sensor via graphene aerogel printing. <i>Chemical Communications</i> , 2016 , 52, 10948-51	5.8	63
299	Fabrication of functional colloidal photonic crystals based on well-designed latex particles. <i>Journal of Materials Chemistry</i> , 2011 , 21, 14113		62
298	A colorful oil-sensitive carbon inverse opal. <i>Journal of Materials Chemistry</i> , 2008 , 18, 5098		62
297	Hydrogen-Bonding-Driven Wettability Change of Colloidal Crystal Films: From Superhydrophobicity to Superhydrophilicity. <i>Chemistry of Materials</i> , 2006 , 18, 4984-4986	9.6	62
296	Bioinspired Micropatterned Superhydrophilic Au-Areoles for Surface-Enhanced Raman Scattering (SERS) Trace Detection. <i>Advanced Functional Materials</i> , 2018 , 28, 1800448	15.6	61
295	Emerging Progress of Inkjet Technology in Printing Optical Materials. <i>Advanced Optical Materials</i> , 2016 , 4, 1915-1932	8.1	60
294	Condensation mode determines the freezing of condensed water on solid surfaces. <i>Soft Matter</i> , 2012 , 8, 8285	3.6	60
293	Four-Dimensional Screening Anti-Counterfeiting Pattern by Inkjet Printed Photonic Crystals. <i>Chemistry - an Asian Journal</i> , 2016 , 11, 2680-2685	4.5	59
292	Clinging-Microdroplet Patterning Upon High-Adhesion, Pillar-Structured Silicon Substrates. <i>Advanced Functional Materials</i> , 2011 , 21, 3297-3307	15.6	59
291	Hierarchical TiO ₂ photonic crystal spheres prepared by spray drying for highly efficient photocatalysis. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 541-547	13	57
290	Wettability Alteration of Polymer Surfaces Produced by Scraping. <i>Journal of Adhesion Science and Technology</i> , 2008 , 22, 395-402	2	55

289	Novel sulfonated polyimide/polyvinyl alcohol blend membranes for vanadium redox flow battery applications. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 2072-2081	13	54
288	Electronic Textile by Dyeing Method for Multiresolution Physical Kineses Monitoring. <i>Advanced Electronic Materials</i> , 2017 , 3, 1700253	6.4	54
287	Fabrication of Patterned Concave Microstructures by Inkjet Imprinting. <i>Advanced Functional Materials</i> , 2015 , 25, 3286-3294	15.6	53
286	Inkjet-printed highly conductive transparent patterns with water based Ag-doped graphene. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 19095-19101	13	53
285	Utilizing superhydrophilic materials to manipulate oil droplets arbitrarily in water. <i>Soft Matter</i> , 2011 , 7, 5144	3.6	53
284	Light-Driven ATP Transmembrane Transport Controlled by DNA Nanomachines. <i>Journal of the American Chemical Society</i> , 2018 , 140, 16048-16052	16.4	51
283	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
282	Spontaneous Uphill Movement and Self-Removal of Condensates on Hierarchical Tower-like Arrays. <i>ACS Nano</i> , 2016 , 10, 9456-9462	16.7	50
281	Ion-specific ice recrystallization provides a facile approach for the fabrication of porous materials. <i>Nature Communications</i> , 2017 , 8, 15154	17.4	49
280	Hierarchical optical antenna: Gold nanoparticle-modified photonic crystal for highly-sensitive label-free DNA detection. <i>Journal of Materials Chemistry</i> , 2012 , 22, 8127		45
279	Fabrication of large-area patterned photonic crystals by ink-jet printing. <i>Journal of Materials Chemistry</i> , 2009 ,		44
278	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
277	Highly reflective superhydrophobic white coating inspired by poplar leaf hairs toward an effective cool roof. <i>Energy and Environmental Science</i> , 2011 , 4, 3364	35.4	42
276	Controllable Synthesis of Latex Particles with Multicavity Structures. <i>Macromolecules</i> , 2011 , 44, 2404-2409	9.5	42
275	Polyethyleneimine High-Energy Hydrophilic Surface Interfacial Treatment toward Efficient and Stable Perovskite Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 32574-32580	9.5	41
274	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
273	Controllable Growth of High-Quality Inorganic Perovskite Microplate Arrays for Functional Optoelectronics. <i>Advanced Materials</i> , 2020 , 32, e1908006	24	39
272	Programmable DNA switch for bioresponsive controlled release. <i>Journal of Materials Chemistry</i> , 2011 , 21, 13811		39

271	Solid-state nanocrystalline solar cells with an antimony sulfide absorber deposited by an in situ solid-gas reaction. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 4791-4796	13	38
270	A photochromic sensor microchip for high-performance multiplex metal ions detection. <i>Scientific Reports</i> , 2015 , 5, 9724	4.9	38
269	Graphene: Diversified Flexible 2D Material for Wearable Vital Signs Monitoring. <i>Advanced Materials Technologies</i> , 2018 , 4, 1800574	6.8	38
268	Printable Nanomaterials for the Fabrication of High-Performance Supercapacitors. <i>Nanomaterials</i> , 2018 , 8,	5.4	37
267	Size Fractionation of Graphene Oxide Nanosheets via Controlled Directional Freezing. <i>Journal of the American Chemical Society</i> , 2017 , 139, 12517-12523	16.4	37
266	Manipulating Oil Droplets by Superamphiphobic Nozzle. <i>Small</i> , 2015 , 11, 4837-43	11	37
265	Fabrication of closed-cell polyimide inverse opal photonic crystals with excellent mechanical properties and thermal stability. <i>Journal of Materials Chemistry</i> , 2008 , 18, 2262		37
264	Printable Functional Chips Based on Nanoparticle Assembly. <i>Small</i> , 2017 , 13, 1503339	11	36
263	Closed-air induced composite wetting on hydrophilic ordered nanoporous anodic alumina. <i>Applied Physics Letters</i> , 2010 , 97, 233107	3.4	36
262	Photo- and Proton-Dual-Responsive Fluorescence Switch Based on a Bisthiénylene-Bridged Naphthalimide Dimer and Its Application in Security Data Storage. <i>European Journal of Organic Chemistry</i> , 2007 , 2007, 2064-2067	3.2	36
261	Droplet Precise Self-Splitting on Patterned Adhesive Surfaces for Simultaneous Multidetector. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 10535-10539	16.4	34
260	Janus Structural Color from a 2D Photonic Crystal Hybrid with a Fabry-Pérot Cavity. <i>Advanced Optical Materials</i> , 2018 , 6, 1800651	8.1	34
259	Ink Engineering of Inkjet Printing Perovskite. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 39082-39091	9.1	33
258	A 3D Self-Shaping Strategy for Nanoresolution Multicomponent Architectures. <i>Advanced Materials</i> , 2018 , 30, 1703963	24	33
257	Patterned Wettability Surface for Competition-Driving Large-Grained Perovskite Solar Cells. <i>Advanced Energy Materials</i> , 2019 , 9, 1900838	21.8	32
256	Wearable Power Source: A Newfangled Feasibility for Perovskite Photovoltaics. <i>ACS Energy Letters</i> , 2019 , 4, 1065-1072	20.1	32
255	Inkjet printing bendable circuits based on an oil-water interface reaction. <i>Applied Surface Science</i> , 2018 , 445, 391-397	6.7	32
254	Facile fabrication of a superhydrophilic-superhydrophobic patterned surface by inkjet printing a sacrificial layer on a superhydrophilic surface. <i>RSC Advances</i> , 2016 , 6, 31470-31475	3.7	32

253	Photonic crystal concentrator for efficient output of dye-sensitized solar cells. <i>Journal of Materials Chemistry</i> , 2008 , 18, 2650		32
252	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
251	Swarm Intelligence-Inspired Spontaneous Fabrication of Optimal Interconnect at the Micro/Nanoscale. <i>Advanced Materials</i> , 2017 , 29, 1605223	24	31
250	Photoelectric Cooperative Induced Wetting on Aligned-Nanopore Arrays for Liquid Reprography. <i>Advanced Functional Materials</i> , 2011 , 21, 4519-4526	15.6	31
249	Controllable Fabrication of Noniridescent Microshaped Photonic Crystal Assemblies by Dynamic Three-Phase Contact Line Behaviors on Superhydrophobic Substrates. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 22644-51	9.5	30
248	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
247	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
246	Methylamine-assisted growth of uniaxial-oriented perovskite thin films with millimeter-sized grains. <i>Nature Communications</i> , 2020 , 11, 5402	17.4	29
245	A General Approach for Fluid Patterning and Application in Fabricating Microdevices. <i>Advanced Materials</i> , 2018 , 30, e1802172	24	29
244	Fabrication of methylammonium bismuth iodide through interdiffusion of solution-processed BiI ₃ /CH ₃ NH ₃ I stacking layers. <i>RSC Advances</i> , 2017 , 7, 43826-43830	3.7	29
243	Elaborately Aligning Bead-Shaped Nanowire Arrays Generated by a Superhydrophobic Micropillar Guiding Strategy. <i>Advanced Functional Materials</i> , 2012 , 22, 4569-4576	15.6	29
242	Transparent Ag@Au-graphene patterns with conductive stability via inkjet printing. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 2800-2806	7.1	28
241	Direct Writing of Patterned, Lead-Free Nanowire Aligned Flexible Piezoelectric Device. <i>Advanced Science</i> , 2016 , 3, 1600120	13.6	28
240	A non-planar pentaphenylbenzene functionalized benzo[2,1,3]thiadiazole derivative as a novel red molecular emitter for non-doped organic light-emitting diodes. <i>Journal of Materials Chemistry</i> , 2008 , 18, 2709		28
239	Fabrication of Bendable Circuits on a Polydimethylsiloxane (PDMS) Surface by Inkjet Printing Semi-Wrapped Structures. <i>Materials</i> , 2016 , 9,	3.5	28
238	Color-tunable and highly solid emissive AIE molecules: synthesis, photophysics, data storage and biological application. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 3445-3451	7.1	27
237	A heatable and evaporation-free miniature reactor upon superhydrophobic pedestals. <i>Soft Matter</i> , 2012 , 8, 631-635	3.6	27
236	A non-planar organic molecule with non-volatile electrical bistability for nano-scale data storage. <i>Journal of Materials Chemistry</i> , 2007 , 17, 3530		26

- 235 A Rainbow Structural-Color Chip for Multisaccharide Recognition. *Angewandte Chemie*, **2016**, 128, 7025-7028 26
- 234 Patterning liquids on inkjet-imprinted surfaces with highly adhesive superhydrophobicity. *Nanoscale*, **2016**, 8, 9556-62 7.7 26
- 233 Trihydrazine Dihydriodide-Assisted Fabrication of Efficient Formamidinium Tin Iodide Perovskite Solar Cells. *Solar Rrl*, **2019**, 3, 1900285 7.1 25
- 232 Bubble Architectures for Locally Resonant Acoustic Metamaterials. *Advanced Functional Materials*, **2019**, 29, 1906984 15.6 25
- 231 Photo-induced amplification of readout contrast in nanoscale data storage. *Journal of Materials Chemistry*, **2012**, 22, 4299 25
- 230 Guided Self-Propelled Leaping of Droplets on a Micro-Anisotropic Superhydrophobic Surface. *Angewandte Chemie*, **2016**, 128, 4337-4341 3.6 25
- 229 Large-area, crack-free polysilazane-based photonic crystals. *Journal of Materials Chemistry*, **2012**, 22, 5300 24
- 228 Flexible Au nanoparticle arrays induced metal-enhanced fluorescence towards pressure sensors. *Journal of Materials Chemistry*, **2011**, 21, 5234 24
- 227 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
- 226 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
- 225 Plasmonic cooperation effect of metal nanomaterials at Au/TiO₂/Ag interface to enhance photovoltaic performance for dye-sensitized solar cells. *RSC Advances*, **2015**, 5, 210-214 3.7 23
- 224 Aquatic plant inspired hierarchical artificial leaves for highly efficient photocatalysis. *Journal of Materials Chemistry A*, **2013**, 1, 7760 13 23
- 223 Ultrahigh density data storage based on organic materials with SPM techniques. *Journal of Materials Chemistry*, **2011**, 21, 3522-3533 23
- 222 Viscosity of interfacial water regulates ice nucleation. *Applied Physics Letters*, **2014**, 104, 101605 3.4 22
- 221 High-performance optoelectrical dual-mode memory based on spiropyran-containing polyimide. *Applied Physics Letters*, **2010**, 97, 253304 3.4 22
- 220 Bioinspired Color Switchable Photonic Crystal Silicone Elastomer Kirigami. *Angewandte Chemie - International Edition*, **2021**, 60, 14307-14312 16.4 22
- 219 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
- 218 Three dimensional MOF-sponge for fast dynamic adsorption. *Physical Chemistry Chemical Physics*, **2017**, 19, 5746-5752 3.6 21

217	A Multi-stopband Photonic-Crystal Microchip for High-Performance Metal-Ion Recognition Based on Fluorescent Detection. <i>Angewandte Chemie</i> , 2013 , 125, 7437-7440	3.6	20
216	Continuous 3D printing from one single droplet. <i>Nature Communications</i> , 2020 , 11, 4685	17.4	20
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