

# Shu Yang

## List of Publications by Citations

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276  
papers

14,550  
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66  
h-index

111  
g-index

291  
ext. papers

16,501  
ext. citations

9.7  
avg, IF

6.93  
L-index

#	Paper	IF	Citations
276	Thickness-independent capacitance of vertically aligned liquid-crystalline MXenes. <i>Nature</i> , <b>2018</b> , 557, 409-412	50.4	627
275	Harnessing Surface Wrinkle Patterns in Soft Matter. <i>Advanced Functional Materials</i> , <b>2010</b> , 20, 2550-2564	15.6	450
274	From rolling ball to complete wetting: the dynamic tuning of liquids on nanostructured surfaces. <i>Langmuir</i> , <b>2004</b> , 20, 3824-7	4	448
273	Temperature-Controlled Assembly and Release from Polymer Vesicles of Poly(ethylene oxide)-block- poly(N-isopropylacrylamide). <i>Advanced Materials</i> , <b>2006</b> , 18, 2905-2909	24	430
272	Tunable liquid microlens. <i>Applied Physics Letters</i> , <b>2003</b> , 82, 316-318	3.4	371
271	A robust smart window: reversibly switching from high transparency to angle-independent structural color display. <i>Advanced Materials</i> , <b>2015</b> , 27, 2489-95	24	292
270	Fabrication of All-Water-Based Self-Repairing Superhydrophobic Coatings Based on UV-Responsive Microcapsules. <i>Advanced Functional Materials</i> , <b>2015</b> , 25, 1035-1041	15.6	280
269	Swelling-Induced Surface Patterns in Hydrogels with Gradient Crosslinking Density. <i>Advanced Functional Materials</i> , <b>2009</b> , 19, 3038-3045	15.6	264
268	Transparent, superhydrophobic surfaces from one-step spin coating of hydrophobic nanoparticles. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2012</b> , 4, 1118-25	9.5	250
267	Fabricating complex three-dimensional nanostructures with high-resolution conformable phase masks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2004</b> , 101, 12428-33	11.5	247
266	Chemical aspects of three-dimensional photonic crystals. <i>Chemical Reviews</i> , <b>2010</b> , 110, 547-74	68.1	213
265	Self-assembly of nanostructures towards transparent, superhydrophobic surfaces. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 2955-2969	13	201
264	Engineering the shape and structure of materials by fractal cut. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 17390-5	11.5	196
263	Mechanically tunable dry adhesive from wrinkled elastomers. <i>Soft Matter</i> , <b>2008</b> , 4, 1830	3.6	195
262	Stability of high-aspect-ratio micropillar arrays against adhesive and capillary forces. <i>Accounts of Chemical Research</i> , <b>2010</b> , 43, 1080-91	24.3	188
261	Highly transparent superhydrophobic surfaces from the coassembly of nanoparticles (100 nm). <i>Langmuir</i> , <b>2011</b> , 27, 4594-602	4	182
260	Replica molding of high-aspect-ratio polymeric nanopillar arrays with high fidelity. <i>Langmuir</i> , <b>2006</b> , 22, 8595-601	4	175

259	Spontaneous formation of one-dimensional ripples in transit to highly ordered two-dimensional herringbone structures through sequential and unequal biaxial mechanical stretching. <i>Applied Physics Letters</i> , <b>2007</b> , 90, 241903	3.4	167
258	Reworkable Epoxies: Thermosets with Thermally Cleavable Groups for Controlled Network Breakdown. <i>Chemistry of Materials</i> , <b>1998</b> , 10, 1475-1482	9.6	162
257	Foldable supercapacitors from triple networks of macroporous cellulose fibers, single-walled carbon nanotubes and polyaniline nanoribbons. <i>Nano Energy</i> , <b>2015</b> , 11, 568-578	17.1	158
256	Programmable Kiri-Kirigami Metamaterials. <i>Advanced Materials</i> , <b>2017</b> , 29, 1604262	24	157
255	Photonic crystals through holographic lithography: Simple cubic, diamond-like, and gyroid-like structures. <i>Applied Physics Letters</i> , <b>2004</b> , 84, 5434-5436	3.4	157
254	Mechanically switchable wetting on wrinkled elastomers with dual-scale roughness. <i>Soft Matter</i> , <b>2009</b> , 5, 1011	3.6	148
253	Patchy and multiregion janus particles with tunable optical properties. <i>Nano Letters</i> , <b>2010</b> , 10, 603-9	11.5	145
252	Tunable open-channel microfluidics on soft poly(dimethylsiloxane) (PDMS) substrates with sinusoidal grooves. <i>Langmuir</i> , <b>2009</b> , 25, 12794-9	4	139
251	Fabricating three-dimensional polymeric photonic structures by multi-beam interference lithography. <i>Polymers for Advanced Technologies</i> , <b>2006</b> , 17, 83-93	3.2	139
250	Universal inverse design of surfaces with thin nematic elastomer sheets. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, 7206-7211	11.5	135
249	Layer-by-layer assembly of MXene and carbon nanotubes on electrospun polymer films for flexible energy storage. <i>Nanoscale</i> , <b>2018</b> , 10, 6005-6013	7.7	124
248	Spray-coating of superhydrophobic aluminum alloys with enhanced mechanical robustness. <i>Journal of Colloid and Interface Science</i> , <b>2014</b> , 423, 101-7	9.3	123
247	Capillary-force-induced clustering of micropillar arrays: is it caused by isolated capillary bridges or by the lateral capillary meniscus interaction force?. <i>Langmuir</i> , <b>2009</b> , 25, 10430-4	4	121
246	Design of Hierarchically Cut Hinges for Highly Stretchable and Reconfigurable Metamaterials with Enhanced Strength. <i>Advanced Materials</i> , <b>2015</b> , 27, 7181-90	24	119
245	Nanoporous Ultralow Dielectric Constant Organosilicates Templated by Triblock Copolymers. <i>Chemistry of Materials</i> , <b>2002</b> , 14, 369-374	9.6	119
244	Wrinkling instabilities in polymer films and their applications. <i>Polymer International</i> , <b>2012</b> , 61, 1041-1047	3.3	118
243	Creating Periodic Three-Dimensional Structures by Multibeam Interference of Visible Laser. <i>Chemistry of Materials</i> , <b>2002</b> , 14, 2831-2833	9.6	118
242	Directed water shedding on high-aspect-ratio shape memory polymer micropillar arrays. <i>Advanced Materials</i> , <b>2014</b> , 26, 1283-8	24	117

241	Liquid mobility on superwetttable surfaces for applications in energy and the environment. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 38-63	13	117
240	Transparent and Superamphiphobic Surfaces from One-Step Spray Coating of Stringed Silica Nanoparticle/Sol Solutions. <i>Particle and Particle Systems Characterization</i> , <b>2014</b> , 31, 763-770	3.1	113
239	One-Step Nanoscale Assembly of Complex Structures via Harnessing of an Elastic Instability. <i>Nano Letters</i> , <b>2008</b> , 8, 1192-6	11.5	108
238	Making the cut: lattice kirigami rules. <i>Physical Review Letters</i> , <b>2014</b> , 113, 245502	7.4	107
237	Solvent induced transition from wrinkles to creases in thin film gels with depth-wise crosslinking gradients. <i>Soft Matter</i> , <b>2010</b> , 6, 5795	3.6	107
236	Tilted pillars on wrinkled elastomers as a reversibly tunable optical window. <i>Advanced Materials</i> , <b>2014</b> , 26, 4127-33	24	105
235	A multi-functional oil-water separator from a selectively pre-wetted superamphiphobic paper. <i>Chemical Communications</i> , <b>2015</b> , 51, 6149-52	5.8	103
234	Algorithmic lattice kirigami: A route to pluripotent materials. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 7449-53	11.5	103
233	Guided Folding of Nematic Liquid Crystal Elastomer Sheets into 3D via Patterned 1D Microchannels. <i>Advanced Materials</i> , <b>2016</b> , 28, 9637-9643	24	100
232	Kinetic study of swelling-induced surface pattern formation and ordering in hydrogel films with depth-wise crosslinking gradient. <i>Soft Matter</i> , <b>2010</b> , 6, 2044	3.6	93
231	Molecular Templating of Nanoporous Ultralow Dielectric Constant ( $\sim 1.5$ ) Organosilicates by Tailoring the Microphase Separation of Triblock Copolymers. <i>Chemistry of Materials</i> , <b>2001</b> , 13, 2762-2764	9.6	92
230	Identification of novel AR-targeted microRNAs mediating androgen signalling through critical pathways to regulate cell viability in prostate cancer. <i>PLoS ONE</i> , <b>2013</b> , 8, e56592	3.7	89
229	Spray coating of superhydrophobic and angle-independent coloured films. <i>Chemical Communications</i> , <b>2014</b> , 50, 2469-72	5.8	88
228	Low-Surface-Energy Fluoromethacrylate Block Copolymers with Patternable Elements. <i>Chemistry of Materials</i> , <b>2000</b> , 12, 33-40	9.6	88
227	Thermoresponsive Hydrogel Photonic Crystals by Three-Dimensional Holographic Lithography. <i>Advanced Materials</i> , <b>2008</b> , 20, 3061-3065	24	85
226	Emetine inhibits Zika and Ebola virus infections through two molecular mechanisms: inhibiting viral replication and decreasing viral entry. <i>Cell Discovery</i> , <b>2018</b> , 4, 31	22.3	81
225	Supercritical CO <sub>2</sub> Processing for Submicron Imaging of Fluoropolymers. <i>Chemistry of Materials</i> , <b>2000</b> , 12, 41-48	9.6	81
224	Switching periodic membranes via pattern transformation and shape memory effect. <i>Soft Matter</i> , <b>2012</b> , 8, 10322	3.6	80

223	Functional Biomimetic Microlens Arrays with Integrated Pores. <i>Advanced Materials</i> , <b>2005</b> , 17, 435-438	24	80
222	Strain responsive concave and convex microlens arrays. <i>Applied Physics Letters</i> , <b>2007</b> , 91, 251912	3.4	78
221	Tunable and Latchable Liquid Microlens with Photopolymerizable Components. <i>Advanced Materials</i> , <b>2003</b> , 15, 940-943	24	78
220	Multistate and On-Demand Smart Windows. <i>Advanced Materials</i> , <b>2018</b> , 30, e1803847	24	77
219	Triply periodic bicontinuous structures through interference lithography: a level-set approach. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , <b>2003</b> , 20, 948-54	1.8	75
218	Angle-independent colours from spray coated quasi-amorphous arrays of nanoparticles: combination of constructive interference and Rayleigh scattering. <i>Journal of Materials Chemistry C</i> , <b>2014</b> , 2, 4395	7.1	74
217	Identification of androgen-responsive lncRNAs as diagnostic and prognostic markers for prostate cancer. <i>Oncotarget</i> , <b>2016</b> , 7, 60503-60518	3.3	72
216	Buckling-Based Strong Dry Adhesives Via Interlocking. <i>Advanced Functional Materials</i> , <b>2013</b> , 23, 3813-3823	3.6	70
215	Fabrication of hierarchical pillar arrays from thermoplastic and photosensitive SU-8. <i>Small</i> , <b>2010</b> , 6, 768-775	7.5	68
214	Consecutive Morphological Transitions in Nanoaggregates Assembled from Amphiphilic Random Copolymer via Water-Driven Micellization and Light-Triggered Dissociation. <i>Macromolecules</i> , <b>2008</b> , 41, 3385-3388	5.5	68
213	A high-efficiency superhydrophobic plasma separator. <i>Lab on A Chip</i> , <b>2016</b> , 16, 553-60	7.2	67
212	Synthesis of Platinum Nanoparticles Supported on Poly(acrylic acid) Grafted MWNTs and Their Hydrogenation of Citral. <i>Chemistry of Materials</i> , <b>2008</b> , 20, 2291-2297	9.6	67
211	Production of Structural Colors with High Contrast and Wide Viewing Angles from Assemblies of Polypyrrole Black Coated Polystyrene Nanoparticles. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 16289-95	9.5	66
210	microRNA expression profiling of nasopharyngeal carcinoma. <i>Oncology Reports</i> , <b>2011</b> , 25, 1353-63	3.5	65
209	Dynamic tuning of optical waveguides with electrowetting pumps and recirculating fluid channels. <i>Applied Physics Letters</i> , <b>2002</b> , 81, 202-204	3.4	65
208	Transparent and Superamphiphobic Surfaces from Mushroom-Like Micropillar Arrays. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 24197-203	9.5	64
207	Electrodeposition of Three-Dimensional Titania Photonic Crystals from Holographically Patterned Microporous Polymer Templates. <i>Chemistry of Materials</i> , <b>2008</b> , 20, 1816-1823	9.6	64
206	Adhesion Selectivity Using Rippled Surfaces. <i>Advanced Functional Materials</i> , <b>2011</b> , 21, 547-555	15.6	62

205	Replica molding of high-aspect-ratio hydrogel pillar arrays and their stability in air and solvents. <i>Soft Matter</i> , <b>2008</b> , 4, 979-984	3.6	62
204	Highly Flexible, Multipixelated Thermosensitive Smart Windows Made of Tough Hydrogels. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 33100-33106	9.5	61
203	Curvature sorting of peripheral proteins on solid-supported wavy membranes. <i>Langmuir</i> , <b>2012</b> , 28, 12838-43	11.5	60
202	Monolithic shape-programmable dielectric liquid crystal elastomer actuators. <i>Science Advances</i> , <b>2019</b> , 5, eaay0855	14.3	60
201	Synergistic drug combination effectively blocks Ebola virus infection. <i>Antiviral Research</i> , <b>2017</b> , 137, 165-172	17.28	58
200	Elastoplastic Inverse Opals as Power-Free Mechanochromic Sensors for Force Recording. <i>Advanced Functional Materials</i> , <b>2015</b> , 25, 6041-6049	15.6	58
199	Responsive Smart Windows from Nanoparticle-Polymer Composites. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 1902597	15.6	58
198	Grafting Polymer Brushes on Single-Walled Carbon Nanotubes by in-Situ Free Radical Polymerization in a Poor Solvent. <i>Macromolecules</i> , <b>2006</b> , 39, 9035-9040	5.5	57
197	Intrinsically reversible superglues via shape adaptation inspired by snail epiphragm. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 13774-13779	11.5	56
196	Topographically induced hierarchical assembly and geometrical transformation of focal conic domain arrays in smectic liquid crystals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 34-9	11.5	56
195	Biomimetic ultrathin whitening by capillary-force-induced random clustering of hydrogel micropillar arrays. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2009</b> , 1, 1698-704	9.5	56
194	Recent advances in wrinkle-based dry adhesion. <i>Soft Matter</i> , <b>2014</b> , 10, 5028-39	3.6	55
193	Androgen-responsive gene database: integrated knowledge on androgen-responsive genes. <i>Molecular Endocrinology</i> , <b>2009</b> , 23, 1927-33		54
192	Identification of miR-133b and RB1CC1 as independent predictors for biochemical recurrence and potential therapeutic targets for prostate cancer. <i>Clinical Cancer Research</i> , <b>2014</b> , 20, 2312-25	12.9	53
191	Exploiting imperfections in the bulk to direct assembly of surface colloids. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 18804-8	11.5	53
190	Enhanced cell adhesion and alignment on micro-wavy patterned surfaces. <i>PLoS ONE</i> , <b>2014</b> , 9, e104502	3.7	52
189	Programmable active kirigami metasheets with more freedom of actuation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> ,	11.5	52
188	Instant Locking of Molecular Ordering in Liquid Crystal Elastomers by Oxygen-Mediated Thiol-Acrylate Click Reactions. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 5665-5668	16.4	50

187	Tunable microfluidic optical devices with an integrated microlens array. <i>Journal of Micromechanics and Microengineering</i> , <b>2006</b> , 16, 1660-1666	2	49
186	In Situ Synthesis of Hybrid Aerogels from Single-Walled Carbon Nanotubes and Polyaniline Nanoribbons as Free-Standing, Flexible Energy Storage Electrodes. <i>Chemistry of Materials</i> , <b>2014</b> , 26, 1678-1685 <sup>48</sup>	8.6	48
185	Light-induced shape recovery of deformed shape memory polymer micropillar arrays with gold nanorods. <i>RSC Advances</i> , <b>2015</b> , 5, 30495-30499	3.7	45
184	Pillar-assisted epitaxial assembly of toric focal conic domains of smectic-a liquid crystals. <i>Advanced Materials</i> , <b>2011</b> , 23, 5519-23	24	45
183	Design of super-conformable, foldable materials via fractal cuts and lattice kirigami. <i>MRS Bulletin</i> , <b>2016</b> , 41, 130-138	3.2	45
182	Curvature-Driven, One-Step Assembly of Reconfigurable Smectic Liquid Crystal [Compound Eye] Lenses. <i>Advanced Optical Materials</i> , <b>2015</b> , 3, 1287-1292	8.1	43
181	Directing the deformation paths of soft metamaterials with prescribed asymmetric units. <i>Advanced Materials</i> , <b>2015</b> , 27, 2747-52	24	42
180	Spatially Selective Nucleation and Growth of Water Droplets on Hierarchically Patterned Polymer Surfaces. <i>Advanced Materials</i> , <b>2016</b> , 28, 1433-9	24	42
179	Growing [Nanofruit] Textures on Photo-Crosslinked SU-8 Surfaces through Layer-by-Layer Grafting of Hyperbranched Poly(Ethyleneimine). <i>Chemistry of Materials</i> , <b>2009</b> , 21, 476-483	9.6	42
178	Guided wrinkling in swollen, pre-patterned photoresist thin films with a crosslinking gradient. <i>Soft Matter</i> , <b>2013</b> , 9, 11007	3.6	41
177	Androgen-induced miR-27A acted as a tumor suppressor by targeting MAP2K4 and mediated prostate cancer progression. <i>International Journal of Biochemistry and Cell Biology</i> , <b>2016</b> , 79, 249-260	5.6	41
176	Highly efficient and selective isolation of rare tumor cells using a microfluidic chip with wavy-herringbone micro-patterned surfaces. <i>Analyst, The</i> , <b>2016</b> , 141, 2228-37	5	40
175	Adhesive contact between a rippled elastic surface and a rigid spherical indenter: from partial to full contact. <i>Soft Matter</i> , <b>2011</b> , 7, 10728	3.6	39
174	Shaping and Locomotion of Soft Robots Using Filament Actuators Made from Liquid Crystal Elastomer[Carbon Nanotube Composites. <i>Advanced Intelligent Systems</i> , <b>2020</b> , 2, 1900163	6	38
173	Exploiting Nanoroughness on Holographically Patterned Three-Dimensional Photonic Crystals. <i>Advanced Functional Materials</i> , <b>2012</b> , 22, 2980-2986	15.6	38
172	High-Throughput Synthesis of Anisotropic Colloids via Holographic Lithography. <i>Advanced Materials</i> , <b>2007</b> , 19, 2508-2512	24	38
171	Synthesis of photoacid crosslinkable hydrogels for the fabrication of soft, biomimetic microlens arrays. <i>Journal of Materials Chemistry</i> , <b>2005</b> , 15, 4200		37
170	Repeatable and Reprogrammable Shape Morphing from Photoresponsive Gold Nanorod/Liquid Crystal Elastomers. <i>Advanced Materials</i> , <b>2020</b> , 32, e2004270	24	37

169	Buckling, symmetry breaking, and cavitation in periodically micro-structured hydrogel membranes. <i>Soft Matter</i> , <b>2014</b> , 10, 1392-9	3.6	36
168	Creating Three-Dimensional Polymeric Microstructures by Multi-Beam Interference Lithography. <i>Journal of Macromolecular Science - Reviews in Macromolecular Chemistry and Physics</i> , <b>2005</b> , 45, 351-373		36
167	Tunable microfluidic optical-fiber devices based on electrowetting pumps and plastic microchannels. <i>IEEE Photonics Technology Letters</i> , <b>2003</b> , 15, 81-83	2.2	36
166	Microlens arrays with integrated pores. <i>Materials Today</i> , <b>2005</b> , 8, 40-46	21.8	36
165	Separation of Oil-in-Water Emulsions Using Hydrophilic Electrospun Membranes with Anisotropic Pores. <i>Langmuir</i> , <b>2017</b> , 33, 5872-5878	4	35
164	Poly(glycidyl methacrylate)s with controlled molecular weights as low-shrinkage resins for 3D multibeam interference lithography. <i>Journal of Materials Chemistry</i> , <b>2008</b> , 18, 3316		35
163	Distortion of 3D SU8 photonic structures fabricated by four-beam holographic lithography with umbrella configuration. <i>Optics Express</i> , <b>2007</b> , 15, 16546-60	3.3	35
162	Cellular and molecular mechanisms of photodynamic hypericin therapy for nasopharyngeal carcinoma cells. <i>Journal of Pharmacology and Experimental Therapeutics</i> , <b>2010</b> , 334, 847-53	4.7	34
161	Core-shell diamond-like silicon photonic crystals from 3D polymer templates created by holographic lithography. <i>Optics Express</i> , <b>2006</b> , 14, 6297-302	3.3	34
160	Direct fabrication of 3D silica-like microstructures from epoxy-functionalized polyhedral oligomeric silsesquioxane (POSS). <i>Journal of Materials Chemistry</i> , <b>2009</b> , 19, 4687		33
159	Triply Periodic Bicontinuous Structures as Templates for Photonic Crystals: A Pinch-off Problem. <i>Advanced Materials</i> , <b>2007</b> , 19, 1510-1514	24	33
158	Fine Golden Rings: Tunable Surface Plasmon Resonance from Assembled Nanorods in Topological Defects of Liquid Crystals. <i>Advanced Materials</i> , <b>2016</b> , 28, 2731-6	24	33
157	Arrangement and SERS Applications of Nanoparticle Clusters Using Liquid Crystalline Template. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 7787-7792	9.5	31
156	Microbullet assembly: interactions of oriented dipoles in confined nematic liquid crystal. <i>Liquid Crystals</i> , <b>2013</b> , 40, 1619-1627	2.3	31
155	Androgen-induced miR-135a acts as a tumor suppressor through downregulating RBAK and MMP11, and mediates resistance to androgen deprivation therapy. <i>Oncotarget</i> , <b>2016</b> , 7, 51284-51300	3.3	31
154	Hierarchical membranes with size-controlled nanopores from photofluidization of electrospun azobenzene polymer fibers. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 18762-18769	13	30
153	Creating biomimetic polymeric surfaces by photochemical attachment and patterning of dextran. <i>Langmuir</i> , <b>2010</b> , 26, 14126-34	4	30
152	Two-dimensional photonic crystals with anisotropic unit cells imprinted from poly(dimethylsiloxane) membranes under elastic deformation. <i>Applied Physics Letters</i> , <b>2008</b> , 93, 161911	3.4	30



151	Crack-free 3D hybrid microstructures from photosensitive organosilicates as versatile photonic templates. <i>ACS Nano</i> , <b>2009</b> , 3, 3251-9	16.7	29
150	Bio-inspired responsive polymer pillar arrays. <i>MRS Communications</i> , <b>2015</b> , 5, 97-114	2.7	28
149	KDM1A triggers androgen-induced miRNA transcription via H3K4me2 demethylation and DNA oxidation. <i>Prostate</i> , <b>2015</b> , 75, 936-46	4.2	28
148	Capillarity induced instability in responsive hydrogel membranes with periodic hole array. <i>Soft Matter</i> , <b>2012</b> , 8, 8088	3.6	28
147	Digitally tunable microfluidic optical fiber devices. <i>Journal of Microelectromechanical Systems</i> , <b>2003</b> , 12, 907-912	2.5	28
146	Orthogonal Control of Stability and Tunable Dry Adhesion by Tailoring the Shape of Tapered Nanopillar Arrays. <i>Advanced Materials</i> , <b>2015</b> , 27, 7788-93	24	27
145	Colloidal inks from bumpy colloidal nanoparticles for the assembly of ultrasmooth and uniform structural colors. <i>Nanoscale</i> , <b>2017</b> , 9, 17357-17363	7.7	26
144	Ultrastable Underwater Anti-Oil Fouling Coatings from Spray Assemblies of Polyelectrolyte Grafted Silica Nanochains. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 13642-13651	9.5	26
143	Programming Tilting Angles in Shape Memory Polymer Janus Pillar Arrays with Unidirectional Wetting against the Tilting Direction. <i>Langmuir</i> , <b>2015</b> , 31, 9523-6	4	26
142	Modular TRAPP complexes regulate intracellular protein trafficking through multiple Ypt/Rab GTPases in <i>Saccharomyces cerevisiae</i> . <i>Genetics</i> , <b>2012</b> , 191, 451-60	4	26
141	Synthesis and Characterization of Silicon-Containing Block Copolymers from Nitroxide-Mediated Living Free Radical Polymerization. <i>Macromolecules</i> , <b>2005</b> , 38, 263-270	5.5	26
140	Static and dynamic elastic properties of fractal-cut materials. <i>Extreme Mechanics Letters</i> , <b>2016</b> , 6, 103-114	4.9	25
139	Selection of reliable reference genes for gene expression study in nasopharyngeal carcinoma. <i>Acta Pharmacologica Sinica</i> , <b>2010</b> , 31, 1487-94	8	25
138	Autophagy in <i>Saccharomyces cerevisiae</i> requires the monomeric GTP-binding proteins, Arl1 and Ypt6. <i>Autophagy</i> , <b>2016</b> , 12, 1721-1737	10.2	25
137	Confined Assemblies of Colloidal Particles with Soft Repulsive Interactions. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 5095-5101	16.4	24
136	A transcriptional target of androgen receptor, miR-421 regulates proliferation and metabolism of prostate cancer cells. <i>International Journal of Biochemistry and Cell Biology</i> , <b>2016</b> , 73, 30-40	5.6	23
135	Ring around the colloid. <i>Soft Matter</i> , <b>2013</b> , 9, 9099	3.6	23
134	UHRF1 overexpression is involved in cell proliferation and biochemical recurrence in prostate cancer after radical prostatectomy. <i>Journal of Experimental and Clinical Cancer Research</i> , <b>2016</b> , 35, 34	12.8	22

133	Dependence of porosity in methyl-silsesquioxane thin films on molecular weight of sacrificial triblock copolymer. <i>Chemical Physics Letters</i> , <b>2002</b> , 364, 309-313	2.5	22
132	Solid-State Proton NMR Characterization of Ethylene Oxide and Propylene Oxide Random and Block Copolymer Composites with Poly(methyl silsesquioxanes). <i>Chemistry of Materials</i> , <b>2002</b> , 14, 249-255	9.6	22
131	Responsive and Foldable Soft Materials. <i>Trends in Chemistry</i> , <b>2020</b> , 2, 107-122	14.8	22
130	Template Synthesis of 3D High-Temperature Silicon-Oxycarbide and Silicon-Carbide Ceramic Photonic Crystals from Interference Lithographically Patterned Organosilicates. <i>Chemistry of Materials</i> , <b>2010</b> , 22, 5957-5963	9.6	21
129	Precipitated Calcium Carbonate Hybrid Hydrogels: Structural and Mechanical Properties. <i>Macromolecules</i> , <b>2009</b> , 42, 6606-6613	5.5	21
128	Covalent Nanoparticle Assembly onto Random Copolymer Films. <i>Macromolecules</i> , <b>2009</b> , 42, 517-523	5.5	21
127	Layer-by-layer assembly of aqueous dispersible, highly conductive poly(aniline-co-o-anisidine)/poly(sodium 4-styrenesulfonate)/MWNTs core-shell nanocomposites. <i>Langmuir</i> , <b>2008</b> , 24, 5825-31	4	21
126	2D metal carbides (MXenes) in fibers. <i>Materials Today</i> , <b>2017</b> , 20, 481-482	21.8	20
125	Elastocapillary interactions on nematic films. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 6336-40	11.5	20
124	Creating a library of complex metallic nanostructures via harnessing pattern transformation of a single PDMS membrane. <i>ACS Nano</i> , <b>2009</b> , 3, 2412-8	16.7	20
123	Identification of prognostic biomarkers for response to radiotherapy by DNA microarray in nasopharyngeal carcinoma patients. <i>International Journal of Oncology</i> , <b>2012</b> , 40, 1590-600	4.4	20
122	Holographic design and fabrication of diamond symmetry photonic crystals via dual-beam quadruple exposure. <i>Advanced Materials</i> , <b>2010</b> , 22, 4524-9	24	20
121	Around the corner: Colloidal assembly and wiring in groovy nematic cells. <i>Physical Review E</i> , <b>2016</b> , 93, 032705	2.4	19
120	Blast-Induced Color Change in Photonic Crystals Corresponds with Brain Pathology. <i>Journal of Neurotrauma</i> , <b>2011</b> , 28, 2307-2318	5.4	19
119	Tunable wetting of nanoparticle-decorated polymer films. <i>Langmuir</i> , <b>2009</b> , 25, 11014-20	4	19
118	Directed Synthesis of Silica Nanoparticles on Micropatterned Hydrogel Templates Tethered with Poly(ethyleneimine). <i>Chemistry of Materials</i> , <b>2007</b> , 19, 5570-5575	9.6	19
117	Microlens arrays with integrated pores as a multipattern photomask. <i>Applied Physics Letters</i> , <b>2005</b> , 86, 201121	3.4	19
116	Molecular heterogeneity drives reconfigurable nematic liquid crystal drops. <i>Nature</i> , <b>2019</b> , 576, 433-436	50.4	19

115	Instant Locking of Molecular Ordering in Liquid Crystal Elastomers by Oxygen-Mediated Thiol-Acrylate Click Reactions. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 5767-5770	3.6	18
114	Color changing photonic crystals detect blast exposure. <i>NeuroImage</i> , <b>2011</b> , 54 Suppl 1, S37-44	7.9	17
113	Better Actuation Through Chemistry: Using Surface Coatings to Create Uniform Director Fields in Nematic Liquid Crystal Elastomers. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 12466-72	9.5	17
112	Shaping nanoparticle fingerprints at the interface of cholesteric droplets. <i>Science Advances</i> , <b>2018</b> , 4, eaat8597	14.3	17
111	Broadband and pixelated camouflage in inflating chiral nematic liquid crystalline elastomers. <i>Nature Materials</i> , <b>2021</b> ,	27	17
110	Geometric Design of Scalable Forward Scatterers for Optimally Efficient Solar Transformers. <i>Advanced Materials</i> , <b>2017</b> , 29, 1702922	24	16
109	Centrifugation-assisted Assembly of Colloidal Silica into Crack-Free and Transferrable Films with Tunable Crystalline Structures. <i>Scientific Reports</i> , <b>2015</b> , 5, 12100	4.9	16
108	Varying and unchanging whiteness on the wings of dusk-active and shade-inhabiting butterflies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, 7379-7384	11.5	16
107	Porosity in porous methyl-silsesquioxane (MSQ) films. <i>Applied Surface Science</i> , <b>2002</b> , 194, 189-194	6.7	16
106	Ordered Hydrophobic Organosilicates Templated by Block Copolymers. <i>Chemistry of Materials</i> , <b>2002</b> , 14, 5173-5178	9.6	16
105	Nonlinear Frameworks for Reversible and Pluripotent Wetting on Topographic Surfaces. <i>Advanced Materials</i> , <b>2017</b> , 29, 1605078	24	15
104	Tailoring surface patterns to direct the assembly of liquid crystalline materials. <i>Liquid Crystals Reviews</i> , <b>2019</b> , 7, 30-59	2.8	15
103	Fabrication of periodic nanoparticle clusters using a soft lithographic template. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 4598-4602	7.1	15
102	Shear Adhesion of Tapered Nanopillar Arrays. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 11391-11397	13.9	15
101	Direct mapping of local director field of nematic liquid crystals at the nanoscale. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 15291-6	11.5	15
100	Evaporative assembly of ordered microporous films and their hierarchical structures from amphiphilic random copolymers. <i>Soft Matter</i> , <b>2012</b> , 8, 11897	3.6	15
99	Dynamics of a droplet imbibing on a rough surface. <i>Langmuir</i> , <b>2011</b> , 27, 13401-5	4	15
98	Synergistic assembly of nanoparticles in smectic liquid crystals. <i>Soft Matter</i> , <b>2015</b> , 11, 7367-75	3.6	14

97	Zika Virus-Induced Neuronal Apoptosis via Increased Mitochondrial Fragmentation. <i>Frontiers in Microbiology</i> , <b>2020</b> , 11, 598203	5.7	14
96	Synthesis of random copolymer based pH-responsive nanoparticles as drug carriers for cancer therapeutics. <i>Polymer Chemistry</i> , <b>2013</b> , 4, 3667	4.9	14
95	Fabrication and assembly of magneto-responsive, anisotropic, and hybrid microparticles of variable size and shape. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 8160-4	16.4	14
94	Characterization of nanoporous ultra low-k thin films templated by copolymers with different architectures. <i>Radiation Physics and Chemistry</i> , <b>2003</b> , 68, 351-356	2.5	14
93	Tailoring Pore Size, Structure, and Morphology of Hierarchical Mesoporous Silica Using Diblock and Pentablock Copolymer Templates. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 4507-4516	3.8	13
92	Anti-inflammatory loaded poly-lactic glycolic acid nanoparticle formulations to enhance myocardial gene transfer: an in-vitro assessment of a drug/gene combination therapeutic approach for direct injection. <i>Journal of Translational Medicine</i> , <b>2014</b> , 12, 171	8.5	13
91	Selective dry and reversible transfer-printing of nanoparticles on top of PDMS wrinkles. <i>Soft Matter</i> , <b>2011</b> , 7, 9886	3.6	13
90	Processing and characterization of ultralow-dielectric constant organosilicate. <i>Journal of Vacuum Science &amp; Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , <b>2001</b> , 19, 2155		13
89	Patterned, Wearable UV Indicators from Electrospun Photochromic Fibers and Yarns. <i>Advanced Materials Technologies</i> , <b>2020</b> , 5, 2000564	6.8	13
88	Earthworm-Inspired Ultradurable Superhydrophobic Fabrics from Adaptive Wrinkled Skin. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 6758-6766	9.5	13
87	Grooving of nanoparticles using sublimable liquid crystal for transparent omniphobic surface. <i>Journal of Colloid and Interface Science</i> , <b>2018</b> , 513, 585-591	9.3	13
86	Hollow mesoporous organosilica nanospheres templated with flower-like micelles of pentablock copolymers. <i>Journal of Colloid and Interface Science</i> , <b>2018</b> , 528, 124-134	9.3	13
85	Topography-guided buckling of swollen polymer bilayer films into three-dimensional structures. <i>Soft Matter</i> , <b>2017</b> , 13, 956-962	3.6	12
84	Smectic Gardening on Curved Landscapes. <i>Langmuir</i> , <b>2015</b> , 31, 11135-42	4	12
83	Angle-Independent Optical Moisture Sensors Based on Hydrogel-Coated Plasmonic Lattice Arrays. <i>ACS Applied Nano Materials</i> , <b>2018</b> , 1, 1430-1437	5.6	12
82	Focal Conic Flower Textures at Curved Interfaces. <i>Physical Review X</i> , <b>2013</b> , 3,	9.1	12
81	High-pressure cell for simultaneous small-angle x-ray scattering and laser light scattering measurements. <i>Review of Scientific Instruments</i> , <b>2001</b> , 72, 2679-2685	1.7	12
80	Thermally Responsive Photonic Fibers Consisting of Chained Nanoparticles. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 50844-50851	9.5	11

79	Analytical Characterization of Methyl- $\beta$ -Cyclodextrin for Pharmacological Activity to Reduce Lysosomal Cholesterol Accumulation in Niemann-Pick Disease Type C1 Cells. <i>Assay and Drug Development Technologies</i> , <b>2017</b> , 15, 154-166	2.1	10
78	A surface with stress, extensional elasticity, and bending stiffness. <i>Soft Matter</i> , <b>2019</b> , 15, 3817-3827	3.6	10
77	Highly conductive and transparent coatings from flow-aligned silver nanowires with large electrical and optical anisotropy. <i>Nanoscale</i> , <b>2020</b> , 12, 6438-6448	7.7	10
76	Buckling into single-handed chiral structures from pH-sensitive hydrogel membranes. <i>Extreme Mechanics Letters</i> , <b>2016</b> , 7, 49-54	3.9	10
75	Super-resolution optical microscopy by using dielectric microwires <b>2016</b> ,		10
74	Aerodynamics-assisted, efficient and scalable kirigami fog collectors. <i>Nature Communications</i> , <b>2021</b> , 12, 5484	17.4	10
73	Recyclable Superhydrophobic, Antimoisture-Activated Carbon Pellets for Air and Water Purification. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 25345-25352	9.5	9
72	Scalable Manufacturing of Bending-Induced Surface Wrinkles. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 7658-7664	9.5	9
71	A Programmably Compliant Origami Mechanism for Dynamically Dexterous Robots. <i>IEEE Robotics and Automation Letters</i> , <b>2020</b> , 5, 2131-2137	4.2	9
70	Transforming One-Dimensional Nanowalls to Long-Range Ordered Two-Dimensional Nanowaves: Exploiting Buckling Instability and Nanofibers Effect in Holographic Lithography. <i>Advanced Functional Materials</i> , <b>2014</b> , 24, 2361-2366	15.6	9
69	Study of architectural responses of 3D periodic cellular materials. <i>Modelling and Simulation in Materials Science and Engineering</i> , <b>2013</b> , 21, 065018	2	9
68	Enhanced Shear Adhesion by Mechanical Interlocking of Dual-Scaled Elastomeric Micropillars With Embedded Silica Particles. <i>Macromolecular Reaction Engineering</i> , <b>2013</b> , 7, 616-623	1.5	9
67	MicroRNAs: novel factors in clinical diagnosis and prognosis for nasopharyngeal carcinoma. <i>Acta Pharmacologica Sinica</i> , <b>2012</b> , 33, 981-2	8	9
66	Photonic band-gap structures of core-shell simple cubic crystals from holographic lithography. <i>Applied Physics Letters</i> , <b>2006</b> , 88, 121101	3.4	9
65	Translation of interference pattern by phase shift for diamond photonic crystals. <i>Optics Express</i> , <b>2005</b> , 13, 9841-6	3.3	9
64	Blast-induced color change in photonic crystals corresponds with brain pathology. <i>Journal of Neurotrauma</i> , <b>2011</b> , 28, 2307-18	5.4	9
63	Multi-functional liquid crystal elastomer composites. <i>Applied Physics Reviews</i> , <b>2022</b> , 9, 011301	17.3	9
62	The Rag GTPase Regulates the Dynamic Behavior of TSC Downstream of Both Amino Acid and Growth Factor Restriction. <i>Developmental Cell</i> , <b>2020</b> , 55, 272-288.e5	10.2	9

61	Calcium carbonate composite hydrogel films: Particle packing and optical properties. <i>Polymer Engineering and Science</i> , <b>2012</b> , 52, 1317-1324	2.3	8
60	Repeated shape recovery of clustered nanopillars by mechanical pulling. <i>Journal of Materials Chemistry C</i> , <b>2016</b> , 4, 9608-9612	7.1	8
59	A Fully Integrated Sensor-Brain Machine Interface System for Restoring Somatosensation. <i>IEEE Sensors Journal</i> , <b>2021</b> , 21, 4764-4775	4	8
58	Three-Dimensional Photoengraving of Monolithic, Multifaceted Metasurfaces. <i>Advanced Materials</i> , <b>2021</b> , 33, e2005454	24	8
57	Shaping micro-clusters via inverse jamming and topographic close-packing of microbombs. <i>Nature Communications</i> , <b>2017</b> , 8, 721	17.4	7
56	Small GTPase proteins in macroautophagy. <i>Small GTPases</i> , <b>2018</b> , 9, 409-414	2.7	7
55	Biopolymer-Based Filtration Materials. <i>ACS Omega</i> , <b>2021</b> , 6, 11804-11812	3.9	7
54	Self-assembled materials. Supramolecular lattices from tetrahedral nanobuilding blocks. <i>Science</i> , <b>2015</b> , 348, 396-7	33.3	6
53	Elastocapillary Driven Assembly of Particles at Free-Standing Smectic-A Films. <i>Langmuir</i> , <b>2018</b> , 34, 2006-2013	2013	6
52	Fabrication of Free-Standing, Self-Aligned, High-Aspect-Ratio Synthetic Ommatidia. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 30671-30676	9.5	6
51	Fabrication of high-aspect-ratio (up to 10) one-dimensional organic/inorganic hybrid nanogratings via holographic lithography. <i>Microelectronic Engineering</i> , <b>2014</b> , 128, 7-11	2.5	6
50	Cuts Guided Deterministic Buckling in Arrays of Soft Parallel Plates for Multifunctionality. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 29345-29354	9.5	6
49	The roles of monomeric GTP-binding proteins in macroautophagy in <i>Saccharomyces cerevisiae</i> . <i>International Journal of Molecular Sciences</i> , <b>2014</b> , 15, 18084-101	6.3	6
48	Complex 2D photonic crystals with analogue local symmetry as 12-fold quasicrystals. <i>Optics Express</i> , <b>2009</b> , 17, 16710-5	3.3	6
47	Mimicry of a biophysical pathway leads to diverse pollen-like surface patterns. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 9699-9705	11.5	6
46	Clustering and Self-Recovery of Slanted Hydrogel Micropillars. <i>Advanced Materials Interfaces</i> , <b>2018</b> , 5, 1801142	4.6	6
45	Solvent-Assisted 4D Programming and Reprogramming of Liquid Crystalline Organo-gels. <i>Advanced Materials</i> , <b>2021</b> , e2107855	24	6
44	Compartment fabrication of magneto-responsive Janus microrod particles. <i>Chemical Communications</i> , <b>2015</b> , 51, 1639-42	5.8	5

43	Fabrication of size scalable three-dimensional photonic structures via dual-beam multiple exposure and its robustness study. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2010</b> , 27, 2534	1.7	5
42	Development of reworkable underfills, materials, reliability and processing. <i>IEEE Transactions on Components and Packaging Technologies</i> , <b>1999</b> , 22, 163-167		5
41	Bioinspired, Omnidirectional and Hypersensitive Flexible Strain Sensors.. <i>Advanced Materials</i> , <b>2022</b> , e2200823	0.8	5
40	Directional elastic wave propagation in high-aspect-ratio photoresist gratings: liquid infiltration and aging. <i>Nanoscale</i> , <b>2017</b> , 9, 2739-2747	7.7	3
39	Liquid crystals: Material defect lines. <i>Nature Materials</i> , <b>2016</b> , 15, 10-1	27	3
38	Programming emergent symmetries with saddle-splay elasticity. <i>Nature Communications</i> , <b>2019</b> , 10, 5104	17.4	3
37	Synthesis of dual-functional copolymer with orthogonally photosensitive groups. <i>Journal of Polymer Science Part A</i> , <b>2013</b> , 51, 1215-1222	2.5	3
36	Facile synthesis of nanoparticles via assembly of photopolymerized and self-crosslinked random copolymers in selective organic media. <i>Journal of Polymer Science Part A</i> , <b>2012</b> , 50, 3840-3847	2.5	3
35	Response to Comment on Biomimetic Ultrathin Whitening by Capillary-Force-Induced Random Clustering of Hydrogel Micropillar Arrays. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2010</b> , 2, 605-605	9.5	3
34	Directing 3D Topological Defects in Smectic Liquid Crystals and Their Applications as an Emerging Class of Building Blocks. <i>Nanoscience and Technology</i> , <b>2014</b> , 35-68	0.6	3
33	An Integrated Systems Biology Approach Identifies the Proteasome as A Critical Host Machinery for ZIKV and DENV Replication. <i>Genomics, Proteomics and Bioinformatics</i> , <b>2021</b> , 19, 108-122	6.5	3
32	A Tendon-Driven Origami Hopper Triggered by Proprioceptive Contact Detection <b>2020</b> ,		2
31	A High Copy Suppressor Screen for Autophagy Defects in Land B strains. <i>G3: Genes, Genomes, Genetics</i> , <b>2017</b> , 7, 333-341	3.2	2
30	Spray Coating: Transparent and Superamphiphobic Surfaces from One-Step Spray Coating of Stringed Silica Nanoparticle/Sol Solutions (Part. Part. Syst. Charact. 7/2014). <i>Particle and Particle Systems Characterization</i> , <b>2014</b> , 31, 811-811	3.1	2
29	Modeling CNS Involvement in Pompe Disease Using Neural Stem Cells Generated from Patient-Derived Induced Pluripotent Stem Cells. <i>Cells</i> , <b>2020</b> , 10,	7.9	2
28	Competitive coordination of the dual roles of the Hedgehog co-receptor in homophilic adhesion and signal reception. <i>ELife</i> , <b>2021</b> , 10,	8.9	2
27	Direct recovery of spilled oil using hierarchically porous oil scoop with capillary-induced anti-oil-fouling. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 410, 124549	12.8	2
26	Highly Robust, Pressure-Resistant Superhydrophobic Coatings from Monolayer Assemblies of Chained Nanoparticles. <i>Advanced Materials Interfaces</i> , <b>2021</b> , 8, 2000681	4.6	2

25	Disease modeling for Mucopolysaccharidosis type IIIB using patient derived induced pluripotent stem cells. <i>Experimental Cell Research</i> , <b>2021</b> , 407, 112785	4.2	2
24	Mechanically robust superamphiphobic ceramic coatings with releasable nanoparticle-capsules. <i>Chemical Engineering Journal</i> , <b>2022</b> , 137336	14.7	2
23	Medical Devices: Nonlinear Frameworks for Reversible and Pluripotent Wetting on Topographic Surfaces (Adv. Mater. 7/2017). <i>Advanced Materials</i> , <b>2017</b> , 29,	24	1
22	17-Hydroxy Wortmannin Restores TRAIL's Response by Ameliorating Increased Beclin 1 Level and Autophagy Function in TRAIL-Resistant Colon Cancer Cells. <i>Molecular Cancer Therapeutics</i> , <b>2019</b> , 18, 1265-1277 <sup>1</sup>	6.1	1
21	An induced pluripotent stem cell line (TRNDi010-C) from a patient carrying a homozygous p.R401X mutation in the NGLY1 gene. <i>Stem Cell Research</i> , <b>2019</b> , 39, 101496	1.6	1
20	Integration of Hierarchical Micro-/Nanostructures in a Microfluidic Chip for Efficient and Selective Isolation of Rare Tumor Cells. <i>Micromachines</i> , <b>2019</b> , 10,	3.3	1
19	Mechanochromic Sensors: Elastoplastic Inverse Opals as Power-Free Mechanochromic Sensors for Force Recording (Adv. Funct. Mater. 38/2015). <i>Advanced Functional Materials</i> , <b>2015</b> , 25, 6022-6022	15.6	1
18	Photonic Crystals: Exploiting Nanoroughness on Holographically Patterned Three-Dimensional Photonic Crystals (Adv. Funct. Mater. 14/2012). <i>Advanced Functional Materials</i> , <b>2012</b> , 22, 3095-3095	15.6	1
17	Fabrication and Assembly of Magneto-Responsive, Anisotropic, and Hybrid Microparticles of Variable Size and Shape. <i>Angewandte Chemie</i> , <b>2013</b> , 125, 8318-8322	3.6	1
16	Two-dimensional photonic crystals with anisotropic unit cells imprinted from PDMS membranes under elastic deformation <b>2009</b> ,		1
15	Generation of two gene corrected human isogenic iPSC lines (NCATS-CL6104 and NCATS-CL6105) from a patient line (NCATS-CL6103) carrying a homozygous p.R401X mutation in the NGLY1 gene using CRISPR/Cas9. <i>Stem Cell Research</i> , <b>2021</b> , 56, 102554	1.6	1
14	iPS-derived neural stem cells for disease modeling and evaluation of therapeutics for mucopolysaccharidosis type II.. <i>Experimental Cell Research</i> , <b>2022</b> , 412, 113007	4.2	0
13	Photopatterning via Photofluidization of Azobenzene Polymers. <i>Light Advanced Manufacturing</i> , <b>2022</b> , 2, 1	1	0
12	The Immunofluorescence-Based Detection of Hedgehog Pathway Components in Primary Cilia of Cultured Cells. <i>Methods in Molecular Biology</i> , <b>2022</b> , 2374, 89-94	1.4	0
11	Tendon-Driven Auxetic Tubular Springs for Resilient Hopping Robots. <i>Advanced Intelligent Systems</i> , <b>2020</b> , 2, 2070063	10.52	0
10	Recoverable underwater superhydrophobicity from a fully wetted state via dynamic air spreading. <i>IScience</i> , <b>2021</b> , 24, 103427	6.1	0
9	Superhydrophobic Surfaces: Fabrication of All-Water-Based Self-Repairing Superhydrophobic Coatings Based on UV-Responsive Microcapsules (Adv. Funct. Mater. 7/2015). <i>Advanced Functional Materials</i> , <b>2015</b> , 25, 1160-1160	15.6	
8	Shaping and Locomotion of Soft Robots Using Filament Actuators Made from Liquid Crystal Elastomer/Carbon Nanotube Composites. <i>Advanced Intelligent Systems</i> , <b>2020</b> , 2, 2070063	6	



- 7 Epitaxial Assembly: Pillar-Assisted Epitaxial Assembly of Toric Focal Conic Domains of Smectic-A Liquid Crystals (Adv. Mater. 46/2011). *Advanced Materials*, **2011**, 23, 5460-5460 24
- 6 Fidelity of Holographic Lithography for Fabrication of 3D SU-8 Photonic Structures and How to Minimize Distortion by Optical Design. *Materials Research Society Symposia Proceedings*, **2009**, 1182, 52
- 5 Formation of Wrinkle Patterns on Porous Elastomeric Membrane and Their fabrication of Hierarchical Architectures. *Materials Research Society Symposia Proceedings*, **2008**, 1129, 1
- 4 eSkin: Bioinspired Adaptive Materials 1 **2017**, 313-334
- 3 Cell-Based No-Wash Fluorescence Assays for Compound Screens Using a Fluorescence Cytometry Plate Reader. *Journal of Pharmacology and Experimental Therapeutics*, **2020**, 374, 500-511 4-7
- 2 Hydrogel Micropillars: Clustering and Self-Recovery of Slanted Hydrogel Micropillars (Adv. Mater. Interfaces 24/2018). *Advanced Materials Interfaces*, **2018**, 5, 1870125 4.6
- 1 Reverse-Engineered Highly Conformable, Leak and Pressure Reducing Cushion for Neonatal Resuscitation Mask. *Advanced Materials Technologies*, 2101364 6.8