

# Shin-Hyun Kim

## List of Publications by Year in Descending Order

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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.

228  
papers

9,856  
citations

56  
h-index

90  
g-index

245  
ext. papers

11,185  
ext. citations

11  
avg, IF

6.6  
L-index

#	Paper	IF	Citations
228	Hydrogel-Assisted 3D Volumetric Hotspot for Sensitive Detection by Surface-Enhanced Raman Spectroscopy.. <i>International Journal of Molecular Sciences</i> , <b>2022</b> , 23,	6.3	1
227	Early and direct detection of bacterial signaling molecules through one-pot Au electrodeposition onto paper-based 3D SERS substrates. <i>Sensors and Actuators B: Chemical</i> , <b>2022</b> , 358, 131504	8.5	2
226	Tomographic measurement of dielectric tensors at optical frequency.. <i>Nature Materials</i> , <b>2022</b> , 21, 317-324		1
225	Dual-Colored Janus Microspheres with Photonic and Plasmonic Faces.. <i>Small</i> , <b>2022</b> , e2201437	11	2
224	In Situ Electrodeposition of Gold Nanostructures in 3D Ultra-Thin Hydrogel Skins for Direct Molecular Detection in Complex Mixtures with High Sensitivity. <i>Laser and Photonics Reviews</i> , <b>2021</b> , 15, 2100316	8.3	1
223	Direct writing of customized structural-color graphics with colloidal photonic inks. <i>Science Advances</i> , <b>2021</b> , 7, eabj8780	14.3	14
222	Co-Assembly of Colloids and Eumelanin Nanoparticles in Droplets for Structural Pigments with High Saturation. <i>Small</i> , <b>2021</b> , e2106048	11	2
221	Photothermal Fabrics for Efficient Oil-Spill Remediation via Solar-Driven Evaporation Combined with Adsorption. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 13106-13113	9.5	5
220	Thermo-Responsive Microcapsules with Tunable Molecular Permeability for Controlled Encapsulation and Release. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2100782	15.6	12
219	Robust Biocatalysts Displayed on Crystalline Protein-Layered Cells for Efficient and Sustainable Hydration of Carbon Dioxide. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2102497	15.6	3
218	Elastic Photonic Microcapsules Containing Colloidal Crystallites as Building Blocks for Macroscopic Photonic Surfaces. <i>ACS Nano</i> , <b>2021</b> ,	16.7	6
217	Metallic Nanodimple Arrays for Wide-Angle Coloration via Plasmonic and Structural Resonances. <i>Chemistry of Materials</i> , <b>2021</b> , 33, 4628-4637	9.6	4
216	Small-Volume Plasmonic Microwell Array with 3D Hierarchical Nanomaterials for Plasmon-Enhanced Fluorescence Immunoassay. <i>Advanced NanoBiomed Research</i> , <b>2021</b> , 1, 2000015	0	3
215	Improving mechanical and physical properties of ultra-thick carbon nanotube fiber by fast swelling and stretching process. <i>Carbon</i> , <b>2021</b> , 172, 733-741	10.4	5
214	Microfluidic Production of Mechanochromic Photonic Fibers Containing Nonclose-Packed Colloidal Arrays. <i>Small Science</i> , <b>2021</b> , 1, 2000058		4
213	Designing Semipermeable Hydrogel Shells with Controlled Thickness through Internal Osmosis in Triple-Emulsion Droplets. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2105477	15.6	2
212	Photoswitchable Surfactant-Driven Reversible Shape- and Color-Changing Block Copolymer Particles. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 13333-13341	16.4	10

211	Swelling and Deswelling Kinetics of Thermo-Responsive Microcapsules with Ultrathin Membrane. <i>Advanced Materials Interfaces</i> , <b>2021</b> , 8, 2100538	4.6	2
210	Photonic Microbeads Templated by Oil-in-Oil Emulsion Droplets for High Saturation of Structural Colors. <i>Small</i> , <b>2021</b> , e2105225	11	2
209	Quasi-3D Plasmonic Nanowell Array for Molecular Enrichment and SERS-Based Detection. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	2
208	Plasmonic Janus Microspheres Created from Pickering Emulsion Drops. <i>Advanced Materials</i> , <b>2020</b> , 32, e2001384	24	9
207	Encapsulation of 3D plasmonic nanostructures with ultrathin hydrogel skin for rapid and direct detection of toxic small molecules in complex fluids. <i>Nanoscale</i> , <b>2020</b> , 12, 12942-12949	7.7	7
206	Photonic Multishells Composed of Cholesteric Liquid Crystals Designed by Controlled Phase Separation in Emulsion Drops. <i>Advanced Materials</i> , <b>2020</b> , 32, e2002166	24	21
205	Colloidal Crystallization: Real-Time Monitoring of Colloidal Crystallization in Electrostatically-Levitated Drops (Small 11/2020). <i>Small</i> , <b>2020</b> , 16, 2070060	11	
204	Macroporous Hydrogels for Fast and Reversible Switching between Transparent and Structurally Colored States. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 2001318	15.6	30
203	Hydrociphper: Bioinspired Dynamic Structural Color-Based Cryptographic Surface. <i>Advanced Optical Materials</i> , <b>2020</b> , 8, 1901259	8.1	30
202	Composite Microgels Created by Complexation between Polyvinyl Alcohol and Graphene Oxide in Compressed Double-Emulsion Drops. <i>Small</i> , <b>2020</b> , 16, e1903812	11	15
201	Elastic Photonic Microbeads as Building Blocks for Mechanochromic Materials. <i>ACS Applied Polymer Materials</i> , <b>2020</b> , 2, 706-714	4.3	21
200	Plasmonic Microgels for Raman-Based Molecular Detection Created by Simultaneous Photoreduction and Photocross-linking. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 48188-48197	9.5	4
199	Fluorescent Polymer-MoS-Embedded Microgels for Photothermal Heating and Colorimetric Monitoring. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 35415-35423	9.5	6
198	Controlled Assembly of Icosahedral Colloidal Clusters for Structural Coloration. <i>Chemistry of Materials</i> , <b>2020</b> , 32, 9704-9712	9.6	12
197	Photonic Janus Balls with Controlled Magnetic Moment and Density Asymmetry. <i>ACS Nano</i> , <b>2020</b> , 14, 15714-15722	16.7	17
196	Photonic Multishells: Photonic Multishells Composed of Cholesteric Liquid Crystals Designed by Controlled Phase Separation in Emulsion Drops (Adv. Mater. 30/2020). <i>Advanced Materials</i> , <b>2020</b> , 32, 2070227	24	0
195	Colloidal assembly in droplets: structures and optical properties. <i>Nanoscale</i> , <b>2020</b> , 12, 18576-18594	7.7	9
194	Real-Time Monitoring of Colloidal Crystallization in Electrostatically-Levitated Drops. <i>Small</i> , <b>2020</b> , 16, e1907478	11	6

193	Active Patchy Colloids with Shape-Tunable Dynamics. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 14853-14863	16.4	33
192	Colloidal Photonic Inks for Mechanochromic Films and Patterns with Structural Colors of High Saturation. <i>Chemistry of Materials</i> , <b>2019</b> , 31, 8154-8162	9.6	57
191	Single-step assembly of asymmetric vesicles. <i>Lab on A Chip</i> , <b>2019</b> , 19, 749-756	7.2	25
190	Depletion-Mediated Interfacial Assembly of Semiconductor Nanorods. <i>Nano Letters</i> , <b>2019</b> , 19, 963-970	11.5	19
189	Colorimetric Recording of Thermal Conditions on Polymeric Inverse Opals. <i>Advanced Materials</i> , <b>2019</b> , 31, e1901398	24	22
188	Smart Microcapsules with Molecular Polarity- and Temperature-Dependent Permeability. <i>Small</i> , <b>2019</b> , 15, e1900434	11	15
187	Janus Microcarriers for Magnetic Field-Controlled Combination Chemotherapy of Hepatocellular Carcinoma. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1901384	15.6	12
186	Photonic Microcapsules Containing Single-Crystal Colloidal Arrays with Optical Anisotropy. <i>Advanced Materials</i> , <b>2019</b> , 31, e1900693	24	36
185	Designing Structural-Color Patterns Composed of Colloidal Arrays. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 14485-14509	9.5	54
184	Microfluidic Fabrication of Capsule Sensor Platform with Double-Shell Structure. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1902670	15.6	16
183	Interfacial Assembly of Amphiphilic Tiles for Reconfigurable Photonic Surfaces. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 45237-45245	9.5	11
182	3D nanoporous plasmonic chips for extremely sensitive NO detection. <i>Analyst, The</i> , <b>2019</b> , 144, 7162-7163	15.6	4
181	Microfluidic Designing Microgels Containing Highly Concentrated Gold Nanoparticles for SERS Analysis of Complex Fluids. <i>Small</i> , <b>2019</b> , 15, e1905076	11	18
180	Structural Coloration with Nonclose-Packed Array of Bidisperse Colloidal Particles. <i>Small</i> , <b>2019</b> , 15, e1804548	15.6	15
179	Microcapsules Containing pH-Responsive, Fluorescent Polymer-Integrated MoS <sub>2</sub> : An Effective Platform for in Situ pH Sensing and Photothermal Heating. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 9023-9031	9.5	38
178	Microfluidic Production of Capsules-in-Capsules for Programed Release of Multiple Ingredients. <i>Advanced Materials Technologies</i> , <b>2018</b> , 3, 1800006	6.8	22
177	Designing Multicolor Micropatterns of Inverse Opals with Photonic Bandgap and Surface Plasmon Resonance. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1706664	15.6	27
176	Biodegradable Inverse Opals with Controlled Discoloration. <i>Advanced Materials Interfaces</i> , <b>2018</b> , 5, 1701458	15.6	9

175	High-performance solution-processable flexible and transparent conducting electrodes with embedded Cu mesh. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 4389-4395	7.1	16
174	Inertial-ordering-assisted droplet microfluidics for high-throughput single-cell RNA-sequencing. <i>Lab on A Chip</i> , <b>2018</b> , 18, 775-784	7.2	60
173	Double-Emulsion-Templated Anisotropic Microcapsules for pH-Triggered Release. <i>Advanced Materials Interfaces</i> , <b>2018</b> , 5, 1701472	4.6	19
172	Photo-Reconfigurable Azopolymer Etch Mask: Photofluidization-Driven Reconfiguration and Edge Rectangularization. <i>Small</i> , <b>2018</b> , 14, e1703250	11	7
171	Wavelength-tunable and shape-reconfigurable photonic capsule resonators containing cholesteric liquid crystals. <i>Science Advances</i> , <b>2018</b> , 4, eaat8276	14.3	55
170	Hydrate Growth Inhibition by Poly(vinyl caprolactam) Released from Microcarriers under Turbulent Mixing Conditions. <i>Energy &amp; Fuels</i> , <b>2018</b> , 32, 9001-9009	4.1	1
169	An Antibody-Immobilized Silica Inverse Opal Nanostructure for Label-Free Optical Biosensors. <i>Sensors</i> , <b>2018</b> , 18,	3.8	38
168	Multicompartment Photonic Microcylinders toward Structural Color Inks. <i>Chemistry of Materials</i> , <b>2018</b> , 30, 3789-3797	9.6	16
167	SERS-Active-Charged Microgels for Size- and Charge-Selective Molecular Analysis of Complex Biological Samples. <i>Small</i> , <b>2018</b> , 14, e1802520	11	19
166	Semipermeable Microcapsules with a Block-Polymer-Templated Nanoporous Membrane. <i>Chemistry of Materials</i> , <b>2018</b> , 30, 273-279	9.6	15
165	Lithographically Designed Conical Microcarriers for Programed Release of Multiple Actives. <i>Advanced Materials Interfaces</i> , <b>2018</b> , 5, 1701163	4.6	5
164	Controlled Encapsulation of Cholesteric Liquid Crystals Using Emulsion Templates. <i>Macromolecular Research</i> , <b>2018</b> , 26, 1054-1065	1.9	15
163	Microgels: SERS-Active-Charged Microgels for Size- and Charge-Selective Molecular Analysis of Complex Biological Samples (Small 40/2018). <i>Small</i> , <b>2018</b> , 14, 1870183	11	
162	2-Dimensional colloidal micropatterning of cholesteric liquid crystal microcapsules for temperature-responsive color displays. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2018</b> , 68, 393-398	6.3	8
161	Osmotic-Stress-Mediated Control of Membrane Permeability of Polymeric Microcapsules. <i>Chemistry of Materials</i> , <b>2018</b> , 30, 7211-7220	9.6	5
160	Uniform Coating of Self-Assembled Noniridescent Colloidal Nanostructures using the Marangoni Effect and Polymers. <i>Physical Review Applied</i> , <b>2018</b> , 10,	4.3	8
159	Photonic Capsule Sensors with Built-In Colloidal Crystallites. <i>Advanced Materials</i> , <b>2018</b> , 30, e1803387	24	51
158	Compressible colloidal clusters from Pickering emulsions and their DNA functionalization. <i>Chemical Communications</i> , <b>2018</b> , 54, 8328-8331	5.8	9

157	Reaction-Diffusion-Mediated Photolithography for Designing Pseudo-3D Microstructures. <i>Small</i> , <b>2017</b> , 13, 1603516	11	10
156	Magneto-responsive Photonic Microspheres with Structural Color Gradient. <i>Advanced Materials</i> , <b>2017</b> , 29, 1605450	24	38
155	Amplified Photon Upconversion by Photonic Shell of Cholesteric Liquid Crystals. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 5708-5711	16.4	37
154	Uniform Microgels Containing Agglomerates of Silver Nanocubes for Molecular Size-Selectivity and High SERS Activity. <i>Small</i> , <b>2017</b> , 13, 1604048	11	16
153	Thermoresponsive Microcarriers for Smart Release of Hydrate Inhibitors under Shear Flow. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 17178-17185	9.5	8
152	Microfluidic Production of Biodegradable Microcapsules for Sustained Release of Hydrophilic Actives. <i>Small</i> , <b>2017</b> , 13, 1700646	11	44
151	Liquid Crystals: Structural Color Palettes of Core-Shell Photonic Ink Capsules Containing Cholesteric Liquid Crystals (Adv. Mater. 23/2017). <i>Advanced Materials</i> , <b>2017</b> , 29,	24	4
150	Structural Color Palettes of Core-Shell Photonic Ink Capsules Containing Cholesteric Liquid Crystals. <i>Advanced Materials</i> , <b>2017</b> , 29, 1606894	24	80
149	Selective Coloration of Melanin Nanospheres through Resonant Mie Scattering. <i>Advanced Materials</i> , <b>2017</b> , 29, 1700256	24	39
148	3D multilayered plasmonic nanostructures with high areal density for SERS. <i>RSC Advances</i> , <b>2017</b> , 7, 17898-17905	9.5	58
147	Ultrathin Double-Shell Capsules for High Performance Photon Upconversion. <i>Advanced Materials</i> , <b>2017</b> , 29, 1606830	24	19
146	Droplet-Guiding Superhydrophobic Arrays of Plasmonic Microposts for Molecular Concentration and Detection. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 37201-37209	9.5	25
145	Flexible and Robust Superomniphobic Surfaces Created by Localized Photofluidization of Azopolymer Pillars. <i>ACS Nano</i> , <b>2017</b> , 11, 7821-7828	16.7	88
144	Emulsion templated vesicles with symmetric or asymmetric membranes. <i>Advances in Colloid and Interface Science</i> , <b>2017</b> , 247, 413-425	14.3	9
143	Chameleon-Inspired Mechanochromic Photonic Films Composed of Non-Close-Packed Colloidal Arrays. <i>ACS Nano</i> , <b>2017</b> , 11, 11350-11357	16.7	167
142	Creation of Faceted Polyhedral Microgels from Compressed Emulsions. <i>Small</i> , <b>2017</b> , 13, 1701256	11	17
141	Robust photonic microparticles comprising cholesteric liquid crystals for anti-forgery materials. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 7567-7573	7.1	24
140	Bicolored Janus Microparticles Created by Phase Separation in Emulsion Drops. <i>Macromolecular Chemistry and Physics</i> , <b>2017</b> , 218, 1600265	2.6	11

139	Photonic-crystal hydrogels with a rapidly tunable stop band and high reflectivity across the visible. <i>Optical Materials Express</i> , <b>2017</b> , 7, 253	2.6	25
138	Controlled Insertion of Planar Defect in Inverse Opals for Anticounterfeiting Applications. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 43098-43104	9.5	14
137	Hydrate formation in water-laden microcapsules for temperature-sensitive release of encapsulants. <i>RSC Advances</i> , <b>2016</b> , 6, 85012-85018	3.7	1
136	Controlling Smectic Liquid Crystal Defect Patterns by Physical Stamping-Assisted Domain Separation and Their Use as Templates for Quantum Dot Cluster Arrays. <i>Langmuir</i> , <b>2016</b> , 32, 13418-13426	4	11
135	Microfluidic production of multiple emulsions and functional microcapsules. <i>Lab on A Chip</i> , <b>2016</b> , 16, 3415-40	7.2	137
134	Metal Nanoparticle-Loaded Microgels with Selective Permeability for Direct Detection of Small Molecules in Biological Fluids. <i>Chemistry of Materials</i> , <b>2016</b> , 28, 1559-1565	9.6	26
133	Microfluidic Production of Uniform Microcarriers with Multicompartment through Phase Separation in Emulsion Drops. <i>Chemistry of Materials</i> , <b>2016</b> , 28, 1430-1438	9.6	59
132	Hierarchical nanostructures created by interference of high-order diffraction beams. <i>Journal of Materials Chemistry C</i> , <b>2016</b> , 4, 1088-1095	7.1	7
131	Colloidal Photonic Crystals for Sensor Applications. <i>Springer Series in Materials Science</i> , <b>2016</b> , 51-78	0.9	3
130	Lithographic Design of Overhanging Microdisk Arrays Toward Omniphobic Surfaces. <i>Advanced Materials</i> , <b>2016</b> , 28, 291-8	24	48
129	Lithographically Encrypted Inverse Opals for Anti-Counterfeiting Applications. <i>Small</i> , <b>2016</b> , 12, 3819-26	11	71
128	Designing Multicolored Photonic Micropatterns through the Regioselective Thermal Compression of Inverse Opals. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 4587-4594	15.6	50
127	Alginate microgels created by selective coalescence between core drops paired with an ultrathin shell. <i>Journal of Materials Chemistry B</i> , <b>2016</b> , 4, 3232-3238	7.3	21
126	Polymeric Inverse Glasses for Development of Noniridescent Structural Colors in Full Visible Range. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 12473-80	9.5	21
125	Nanostructured plasmonic substrates for use as SERS sensors. <i>Nano Convergence</i> , <b>2016</b> , 3, 18	9.2	66
124	Large-Area Accurate Position Registry of Microparticles on Flexible, Stretchable Substrates Using Elastomer Templates. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 28149-28158	9.5	20
123	Stacked-Disk Nanotower Arrays for Use as Omniphobic Surface-Enhanced Raman Scattering Substrates. <i>Advanced Optical Materials</i> , <b>2016</b> , 4, 1893-1900	8.1	15
122	Liquid Crystals: Robust Microfluidic Encapsulation of Cholesteric Liquid Crystals Toward Photonic Ink Capsules (Adv. Mater. 4/2015). <i>Advanced Materials</i> , <b>2015</b> , 27, 771-771	24	2



121	Microfluidic Production of Semipermeable Microcapsules by Polymerization-Induced Phase Separation. <i>Langmuir</i> , <b>2015</b> , 31, 6027-34	4	42
120	Hydroxide ion-mediated synthesis of monodisperse dopamine-melanin nanospheres. <i>Journal of Colloid and Interface Science</i> , <b>2015</b> , 458, 87-93	9.3	35
119	Microfluidic generation of PEG-b-PLA polymersomes containing alginate-based core hydrogel. <i>Biomicrofluidics</i> , <b>2015</b> , 9, 024101	3.2	25
118	Dynamic designing of microstructures by chemical gradient-mediated growth. <i>Nature Communications</i> , <b>2015</b> , 6, 6584	17.4	25
117	Combination of a Sample Pretreatment Microfluidic Device with a Photoluminescent Graphene Oxide Quantum Dot Sensor for Trace Lead Detection. <i>Analytical Chemistry</i> , <b>2015</b> , 87, 10969-75	7.8	66
116	Liquid-impermeable inverse opals with invariant photonic bandgap. <i>Advanced Materials</i> , <b>2015</b> , 27, 1282-24	7.4	62
115	Self-organization of nanorods into ultra-long range two-dimensional monolayer end-to-end network. <i>Nano Letters</i> , <b>2015</b> , 15, 714-20	11.5	30
114	Robust microfluidic encapsulation of cholesteric liquid crystals toward photonic ink capsules. <i>Advanced Materials</i> , <b>2015</b> , 27, 627-33	24	89
113	Rücktitelbild: Reconfigurable Photonic Capsules Containing Cholesteric Liquid Crystals with Planar Alignment (Angew. Chem. 50/2015). <i>Angewandte Chemie</i> , <b>2015</b> , 127, 15516-15516	3.6	
112	Photonic Crystals: Liquid-Impermeable Inverse Opals with Invariant Photonic Bandgap (Adv. Mater. 7/2015). <i>Advanced Materials</i> , <b>2015</b> , 27, 1281-1281	24	1
111	Monodisperse Emulsion Drop Microenvironments for Bacterial Biofilm Growth. <i>Small</i> , <b>2015</b> , 11, 3954-61	11	56
110	Standing-Wave-Assisted Creation of Nanopillar Arrays with Vertically Integrated Nanogaps for SERS-Active Substrates. <i>Advanced Functional Materials</i> , <b>2015</b> , 25, 4681-4688	15.6	40
109	Reconfigurable Photonic Capsules Containing Cholesteric Liquid Crystals with Planar Alignment. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 15481-15485	3.6	12
108	Microfluidic Design of Magneto-responsive Photonic Microcylinders with Multicompartment. <i>Small</i> , <b>2015</b> , 11, 4938-45	11	18
107	Reconfigurable Photonic Capsules Containing Cholesteric Liquid Crystals with Planar Alignment. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 15266-70	16.4	63
106	Osmotic-Pressure-Mediated Control of Structural Colors of Photonic Capsules. <i>Chemistry of Materials</i> , <b>2015</b> , 27, 1014-1020	9.6	50
105	Anisotropic microparticles created by phase separation of polymer blends confined in monodisperse emulsion drops. <i>Langmuir</i> , <b>2015</b> , 31, 937-43	4	50
104	Full-spectrum photonic pigments with non-iridescent structural colors through colloidal assembly. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 2899-903	16.4	163



103	Microcapsules: Osmocapsules for Direct Measurement of Osmotic Strength (Small 6/2014). <i>Small</i> , <b>2014</b> , 10, 1232-1232	11	1
102	Controlled pixelation of inverse opaline structures towards reflection-mode displays. <i>Advanced Materials</i> , <b>2014</b> , 26, 2391-7	24	119
101	Droplet microfluidics for producing functional microparticles. <i>Langmuir</i> , <b>2014</b> , 30, 1473-88	4	169
100	Osmotic-pressure-controlled concentration of colloidal particles in thin-shelled capsules. <i>Nature Communications</i> , <b>2014</b> , 5, 3068	17.4	126
99	Photonic Crystals: Magneto-responsive Discoidal Photonic Crystals Toward Active Color Pigments (Adv. Mater. 33/2014). <i>Advanced Materials</i> , <b>2014</b> , 26, 5734-5734	24	1
98	Bio-inspired nanotadpoles with component-specific functionality. <i>Journal of Materials Chemistry B</i> , <b>2014</b> , 2, 6462-6466	7.3	3
97	Ordered packing of emulsion droplets toward the preparation of adjustable photomasks. <i>Langmuir</i> , <b>2014</b> , 30, 5404-11	4	6
96	Monolithic photonic crystals created by partial coalescence of core-shell particles. <i>Langmuir</i> , <b>2014</b> , 30, 2369-75	4	4
95	Magneto-responsive discoidal photonic crystals toward active color pigments. <i>Advanced Materials</i> , <b>2014</b> , 26, 5801-7	24	50
94	Nonspherical double emulsions with multiple distinct cores enveloped by ultrathin shells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 1294-300	9.5	36
93	Colloidal assembly in Leidenfrost drops for noniridescent structural color pigments. <i>Langmuir</i> , <b>2014</b> , 30, 8350-6	4	22
92	Photothermal control of membrane permeability of microcapsules for on-demand release. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 826-32	9.5	36
91	Microfluidic molding of photonic microparticles with engraved elastomeric membranes. <i>Small</i> , <b>2014</b> , 10, 3979-85	11	14
90	Full-Spectrum Photonic Pigments with Non-iridescent Structural Colors through Colloidal Assembly. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 2943-2947	3.6	18
89	Ultrathin shell double emulsion templated giant unilamellar lipid vesicles with controlled microdomain formation. <i>Small</i> , <b>2014</b> , 10, 950-6	11	130
88	Perforated Microcapsules with Selective Permeability Created by Confined Phase Separation of Polymer Blends. <i>Chemistry of Materials</i> , <b>2014</b> , 26, 7166-7171	9.6	33
87	Osmocapsules for direct measurement of osmotic strength. <i>Small</i> , <b>2014</b> , 10, 1155-62	11	25
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