

Shin-Hyun Kim

List of Publications by Citations

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228
papers

9,856
citations

56
h-index

90
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245
ext. papers

11,185
ext. citations

11
avg, IF

6.6
L-index

#	Paper	IF	Citations
228	Self-assembled colloidal structures for photonics. <i>NPG Asia Materials</i> , 2011 , 3, 25-33	10.3	299
227	Synthesis and assembly of structured colloidal particles. <i>Journal of Materials Chemistry</i> , 2008 , 18, 2177		263
226	Colloidal Photonic Crystals toward Structural Color Palettes for Security Materials. <i>Chemistry of Materials</i> , 2013 , 25, 2684-2690	9.6	245
225	Multicompartment polymersomes from double emulsions. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 1648-51	16.4	218
224	Characterizing and tracking single colloidal particles with video holographic microscopy. <i>Optics Express</i> , 2007 , 15, 18275-82	3.3	216
223	Multiple polymersomes for programmed release of multiple components. <i>Journal of the American Chemical Society</i> , 2011 , 133, 15165-71	16.4	199
222	Self-organization of bidisperse colloids in water droplets. <i>Journal of the American Chemical Society</i> , 2005 , 127, 15968-75	16.4	194
221	Double-emulsion drops with ultra-thin shells for capsule templates. <i>Lab on A Chip</i> , 2011 , 11, 3162-6	7.2	193
220	25th anniversary article: double emulsion templated solid microcapsules: mechanics and controlled release. <i>Advanced Materials</i> , 2014 , 26, 2205-18	24	180
219	Droplet microfluidics for producing functional microparticles. <i>Langmuir</i> , 2014 , 30, 1473-88	4	169
218	Controlled origami folding of hydrogel bilayers with sustained reversibility for robust microcarriers. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 1420-3	16.4	168
217	Chameleon-Inspired Mechanochromic Photonic Films Composed of Non-Close-Packed Colloidal Arrays. <i>ACS Nano</i> , 2017 , 11, 11350-11357	16.7	167
216	Full-spectrum photonic pigments with non-iridescent structural colors through colloidal assembly. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 2899-903	16.4	163
215	Microwave-assisted self-organization of colloidal particles in confining aqueous droplets. <i>Journal of the American Chemical Society</i> , 2006 , 128, 10897-904	16.4	162
214	Protein expression, aggregation, and triggered release from polymersomes as artificial cell-like structures. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 6416-20	16.4	145
213	Janus microspheres for a highly flexible and impregnable water-repelling interface. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 2535-8	16.4	144
212	Optofluidic Assembly of Colloidal Photonic Crystals with Controlled Sizes, Shapes, and Structures. <i>Advanced Materials</i> , 2008 , 20, 1649-1655	24	138

211	Microfluidic production of multiple emulsions and functional microcapsules. <i>Lab on A Chip</i> , 2016 , 16, 3415-40	7.2	137
210	Optofluidic encapsulation of crystalline colloidal arrays into spherical membrane. <i>Journal of the American Chemical Society</i> , 2008 , 130, 6040-6	16.4	137
209	Amphiphilic crescent-moon-shaped microparticles formed by selective adsorption of colloids. <i>Journal of the American Chemical Society</i> , 2011 , 133, 5516-24	16.4	135
208	Polymer microcapsules with programmable active release. <i>Journal of the American Chemical Society</i> , 2013 , 135, 7744-50	16.4	132
207	Ultrathin shell double emulsion templated giant unilamellar lipid vesicles with controlled microdomain formation. <i>Small</i> , 2014 , 10, 950-6	11	130
206	Osmotic-pressure-controlled concentration of colloidal particles in thin-shelled capsules. <i>Nature Communications</i> , 2014 , 5, 3068	17.4	126
205	Dissolution arrest and stability of particle-covered bubbles. <i>Physical Review Letters</i> , 2007 , 99, 188301	7.4	125
204	Photo- and thermoresponsive polymersomes for triggered release. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 12499-503	16.4	124
203	Dynamic modulation of photonic bandgaps in crystalline colloidal arrays under electric field. <i>Advanced Materials</i> , 2010 , 22, 4494-8	24	122
202	Controlled pixelation of inverse opaline structures towards reflection-mode displays. <i>Advanced Materials</i> , 2014 , 26, 2391-7	24	119
201	Delayed buckling and guided folding of inhomogeneous capsules. <i>Physical Review Letters</i> , 2012 , 109, 134302	7.4	112
200	Single step emulsification for the generation of multi-component double emulsions. <i>Soft Matter</i> , 2012 , 8, 10719	3.6	110
199	One-step emulsification of multiple concentric shells with capillary microfluidic devices. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 8731-4	16.4	105
198	Microfluidic multicolor encoding of microspheres with nanoscopic surface complexity for multiplex immunoassays. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 1171-4	16.4	96
197	Colloidal Clusters of Microspheres from Water-in-Oil Emulsions. <i>Chemistry of Materials</i> , 2005 , 17, 5006-5013	13	95
196	Robust microfluidic encapsulation of cholesteric liquid crystals toward photonic ink capsules. <i>Advanced Materials</i> , 2015 , 27, 627-33	24	89
195	Flexible and Robust Superomniphobic Surfaces Created by Localized Photofluidization of Azopolymer Pillars. <i>ACS Nano</i> , 2017 , 11, 7821-7828	16.7	88
194	Magneto-responsive microparticles with nanoscopic surface structures for remote-controlled locomotion. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 3786-90	16.4	86

193	Structural Color Palettes of Core-Shell Photonic Ink Capsules Containing Cholesteric Liquid Crystals. <i>Advanced Materials</i> , 2017 , 29, 1606894	24	80
192	Multicompartment Polymersomes from Double Emulsions. <i>Angewandte Chemie</i> , 2011 , 123, 1686-1689	3.6	77
191	Single-Step Fabrication of Monodisperse TiO ₂ Hollow Spheres with Embedded Nanoparticles in Microfluidic Devices. <i>Chemistry of Materials</i> , 2009 , 21, 201-203	9.6	76
190	Low-Threshold Lasing in 3D Dye-Doped Photonic Crystals Derived from Colloidal Self-Assemblies. <i>Chemistry of Materials</i> , 2009 , 21, 4993-4999	9.6	72
189	Integration of colloidal photonic crystals toward miniaturized spectrometers. <i>Advanced Materials</i> , 2010 , 22, 946-50	24	71
188	Lithographically Encrypted Inverse Opals for Anti-Counterfeiting Applications. <i>Small</i> , 2016 , 12, 3819-26	11	71
187	Janus Microspheres for a Highly Flexible and Impregnable Water-Repelling Interface. <i>Angewandte Chemie</i> , 2010 , 122, 2589-2592	3.6	70
186	Microfluidic fabrication of SERS-active microspheres for molecular detection. <i>Lab on A Chip</i> , 2011 , 11, 87-92	7.2	69
185	Combination of a Sample Pretreatment Microfluidic Device with a Photoluminescent Graphene Oxide Quantum Dot Sensor for Trace Lead Detection. <i>Analytical Chemistry</i> , 2015 , 87, 10969-75	7.8	66
184	Particles with Coordinated Patches or Windows from Oil-in-Water Emulsions. <i>Chemistry of Materials</i> , 2007 , 19, 3183-3193	9.6	66
183	Nanostructured plasmonic substrates for use as SERS sensors. <i>Nano Convergence</i> , 2016 , 3, 18	9.2	66
182	Reconfigurable Photonic Capsules Containing Cholesteric Liquid Crystals with Planar Alignment. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 15266-70	16.4	63
181	Liquid-impermeable inverse opals with invariant photonic bandgap. <i>Advanced Materials</i> , 2015 , 27, 1282-24	7.4	62
180	Polymersomes containing a hydrogel network for high stability and controlled release. <i>Small</i> , 2013 , 9, 124-31	11	62
179	Inertial-ordering-assisted droplet microfluidics for high-throughput single-cell RNA-sequencing. <i>Lab on A Chip</i> , 2018 , 18, 775-784	7.2	60
178	Microfluidic Production of Uniform Microcarriers with Multicompartment through Phase Separation in Emulsion Drops. <i>Chemistry of Materials</i> , 2016 , 28, 1430-1438	9.6	59
177	Elaborate Design Strategies Toward Novel Microcarriers for Controlled Encapsulation and Release. <i>Particle and Particle Systems Characterization</i> , 2013 , 30, 9-45	3.1	59
176	Colloidal Photonic Inks for Mechanochromic Films and Patterns with Structural Colors of High Saturation. <i>Chemistry of Materials</i> , 2019 , 31, 8154-8162	9.6	57

175	Enhanced-throughput production of polymersomes using a parallelized capillary microfluidic device. <i>Microfluidics and Nanofluidics</i> , 2013 , 14, 509-514	2.8	57
174	Freestanding and Arrayed Nanoporous Microcylinders for Highly Active 3D SERS Substrate. <i>Chemistry of Materials</i> , 2013 , 25, 2421-2426	9.6	57
173	Monodisperse Emulsion Drop Microenvironments for Bacterial Biofilm Growth. <i>Small</i> , 2015 , 11, 3954-6111		56
172	Packing of Emulsion Droplets: Structural and Functional Motifs for Multi-Cored Microcapsules. <i>Advanced Functional Materials</i> , 2011 , 21, 1608-1615	15.6	56
171	Wavelength-tunable and shape-reconfigurable photonic capsule resonators containing cholesteric liquid crystals. <i>Science Advances</i> , 2018 , 4, eaat8276	14.3	55
170	Designing Structural-Color Patterns Composed of Colloidal Arrays. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 14485-14509	9.5	54
169	Patterned Colloidal Photonic Domes and Balls Derived from Viscous Photocurable Suspensions. <i>Advanced Materials</i> , 2008 , 20, 3211-3217	24	53
168	Microspheres with Tunable Refractive Index by Controlled Assembly of Nanoparticles. <i>Advanced Materials</i> , 2008 , 20, 3268-3273	24	52
167	Photonic Capsule Sensors with Built-In Colloidal Crystallites. <i>Advanced Materials</i> , 2018 , 30, e1803387	24	51
166	Magneto-responsive discoidal photonic crystals toward active color pigments. <i>Advanced Materials</i> , 2014 , 26, 5801-7	24	50
165	Osmotic-Pressure-Mediated Control of Structural Colors of Photonic Capsules. <i>Chemistry of Materials</i> , 2015 , 27, 1014-1020	9.6	50
164	Anisotropic microparticles created by phase separation of polymer blends confined in monodisperse emulsion drops. <i>Langmuir</i> , 2015 , 31, 937-43	4	50
163	Photocurable pickering emulsion for colloidal particles with structural complexity. <i>Langmuir</i> , 2008 , 24, 2365-71	4	50
162	Designing Multicolored Photonic Micropatterns through the Regioselective Thermal Compression of Inverse Opals. <i>Advanced Functional Materials</i> , 2016 , 26, 4587-4594	15.6	50
161	Lithographic Design of Overhanging Microdisk Arrays Toward Omniphobic Surfaces. <i>Advanced Materials</i> , 2016 , 28, 291-8	24	48
160	One-Step Emulsification of Multiple Concentric Shells with Capillary Microfluidic Devices. <i>Angewandte Chemie</i> , 2011 , 123, 8890-8893	3.6	46
159	Microfluidic Production of Biodegradable Microcapsules for Sustained Release of Hydrophilic Actives. <i>Small</i> , 2017 , 13, 1700646	11	44
158	Formation of polymersomes with double bilayers templated by quadruple emulsions. <i>Lab on A Chip</i> , 2013 , 13, 1351-6	7.2	44

157	Microfluidic Production of Semipermeable Microcapsules by Polymerization-Induced Phase Separation. <i>Langmuir</i> , 2015 , 31, 6027-34	4	42
156	Surface functionalized hydrophobic porous particles toward water treatment application. <i>Advanced Materials</i> , 2013 , 25, 3215-21	24	41
155	Standing-Wave-Assisted Creation of Nanopillar Arrays with Vertically Integrated Nanogaps for SERS-Active Substrates. <i>Advanced Functional Materials</i> , 2015 , 25, 4681-4688	15.6	40
154	Controlling Orientation and Order in Block Copolymer Thin Films. <i>Advanced Materials</i> , 2008 , 20, 4851-4856	4	40
153	Selective Coloration of Melanin Nanospheres through Resonant Mie Scattering. <i>Advanced Materials</i> , 2017 , 29, 1700256	24	39
152	Fabrication of spherical colloidal crystals using electrospray. <i>Langmuir</i> , 2005 , 21, 10416-21	4	39
151	Magneto-responsive Photonic Microspheres with Structural Color Gradient. <i>Advanced Materials</i> , 2017 , 29, 1605450	24	38
150	Microcapsules Containing pH-Responsive, Fluorescent Polymer-Integrated MoS ₂ : An Effective Platform for in Situ pH Sensing and Photothermal Heating. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 9023-9031	9.5	38
149	An Antibody-Immobilized Silica Inverse Opal Nanostructure for Label-Free Optical Biosensors. <i>Sensors</i> , 2018 , 18,	3.8	38
148	Amplified Photon Upconversion by Photonic Shell of Cholesteric Liquid Crystals. <i>Journal of the American Chemical Society</i> , 2017 , 139, 5708-5711	16.4	37
147	Photonic Microcapsules Containing Single-Crystal Colloidal Arrays with Optical Anisotropy. <i>Advanced Materials</i> , 2019 , 31, e1900693	24	36
146	Nonspherical double emulsions with multiple distinct cores enveloped by ultrathin shells. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 1294-300	9.5	36
145	Photothermal control of membrane permeability of microcapsules for on-demand release. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 826-32	9.5	36
144	Microfluidic fabrication of photo-responsive hydrogel capsules. <i>Chemical Communications</i> , 2013 , 49, 1865-8	9.5	36
143	Optofluidic Synthesis of Electroresponsive Photonic Janus Balls with Isotropic Structural Colors. <i>Advanced Materials</i> , 2008 , 20, NA-NA	24	36
142	Hydroxide ion-mediated synthesis of monodisperse dopamine-melanin nanospheres. <i>Journal of Colloid and Interface Science</i> , 2015 , 458, 87-93	9.3	35
141	Patterned Polymeric Domes with 3D and 2D Embedded Colloidal Crystals using Photocurable Emulsion Droplets. <i>Advanced Materials</i> , 2009 , 21, 3771-3775	24	35
140	Homogeneous and heterogeneous binary colloidal clusters formed by evaporation-induced self-assembly inside droplets. <i>Journal of Colloid and Interface Science</i> , 2008 , 318, 124-33	9.3	34

139	Active Patchy Colloids with Shape-Tunable Dynamics. <i>Journal of the American Chemical Society</i> , 2019 , 141, 14853-14863	16.4	33
138	Microfluidic fabrication of stable gas-filled microcapsules for acoustic contrast enhancement. <i>Langmuir</i> , 2013 , 29, 12352-7	4	33
137	Perforated Microcapsules with Selective Permeability Created by Confined Phase Separation of Polymer Blends. <i>Chemistry of Materials</i> , 2014 , 26, 7166-7171	9.6	33
136	Monodisperse gas-filled microparticles from reactions in double emulsions. <i>Langmuir</i> , 2012 , 28, 6742-5	4	33
135	Polymeric Particles with Structural Complexity from Stable Immobilized Emulsions. <i>Chemistry of Materials</i> , 2007 , 19, 4751-4760	9.6	32
134	Self-organization of nanorods into ultra-long range two-dimensional monolayer end-to-end network. <i>Nano Letters</i> , 2015 , 15, 714-20	11.5	30
133	Macroporous Hydrogels for Fast and Reversible Switching between Transparent and Structurally Colored States. <i>Advanced Functional Materials</i> , 2020 , 30, 2001318	15.6	30
132	Biofunctional colloids and their assemblies. <i>Soft Matter</i> , 2010 , 6, 1092	3.6	30
131	Hydrociper: Bioinspired Dynamic Structural Color-Based Cryptographic Surface. <i>Advanced Optical Materials</i> , 2020 , 8, 1901259	8.1	30
130	Microfluidic fabrication of microparticles with structural complexity using photocurable emulsion droplets. <i>New Journal of Physics</i> , 2009 , 11, 075014	2.9	29
129	Optofluidic integration of a photonic crystal nanolaser. <i>Optics Express</i> , 2008 , 16, 6515-27	3.3	29
128	Self-organization of colloidal nanospheres inside emulsion droplets: Higher-order clusters, supraparticles, and supraballs. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2009 , 345, 237-245	5.1	28
127	Designing Multicolor Micropatterns of Inverse Opals with Photonic Bandgap and Surface Plasmon Resonance. <i>Advanced Functional Materials</i> , 2018 , 28, 1706664	15.6	27
126	Robust chirped photonic crystals created by controlled colloidal diffusion. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 11649-53	16.4	27
125	Metal Nanoparticle-Loaded Microgels with Selective Permeability for Direct Detection of Small Molecules in Biological Fluids. <i>Chemistry of Materials</i> , 2016 , 28, 1559-1565	9.6	26
124	Optofluidics technology based on colloids and their assemblies. <i>Microfluidics and Nanofluidics</i> , 2008 , 4, 129-144	2.8	26
123	Droplet-Guiding Superhydrophobic Arrays of Plasmonic Microposts for Molecular Concentration and Detection. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 37201-37209	9.5	25
122	Single-step assembly of asymmetric vesicles. <i>Lab on A Chip</i> , 2019 , 19, 749-756	7.2	25

121	Microfluidic generation of PEG-b-PLA polymersomes containing alginate-based core hydrogel. <i>Biomicrofluidics</i> , 2015 , 9, 024101	3.2	25
120	Dynamic designing of microstructures by chemical gradient-mediated growth. <i>Nature Communications</i> , 2015 , 6, 6584	17.4	25
119	Photonic-crystal hydrogels with a rapidly tunable stop band and high reflectivity across the visible. <i>Optical Materials Express</i> , 2017 , 7, 253	2.6	25
118	Osmocapsules for direct measurement of osmotic strength. <i>Small</i> , 2014 , 10, 1155-62	11	25
117	Magneto-responsive Microparticles with Nanoscopic Surface Structures for Remote-Controlled Locomotion. <i>Angewandte Chemie</i> , 2010 , 122, 3874-3878	3.6	25
116	Robust photonic microparticles comprising cholesteric liquid crystals for anti-forgery materials. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 7567-7573	7.1	24
115	Photo- and Thermo-responsive Polymersomes for Triggered Release. <i>Angewandte Chemie</i> , 2012 , 124, 12667-12671	3.6	24
114	Controlled formation of double-emulsion drops in sudden expansion channels. <i>Journal of Colloid and Interface Science</i> , 2014 , 415, 26-31	9.3	23
113	Colorimetric Recording of Thermal Conditions on Polymeric Inverse Opals. <i>Advanced Materials</i> , 2019 , 31, e1901398	24	22
112	Microfluidic Production of Capsules-in-Capsules for Programed Release of Multiple Ingredients. <i>Advanced Materials Technologies</i> , 2018 , 3, 1800006	6.8	22
111	Colloidal assembly in Leidenfrost drops for noniridescent structural color pigments. <i>Langmuir</i> , 2014 , 30, 8350-6	4	22
110	Protein Expression, Aggregation, and Triggered Release from Polymersomes as Artificial Cell-like Structures. <i>Angewandte Chemie</i> , 2012 , 124, 6522-6526	3.6	22
109	Photonic Multishells Composed of Cholesteric Liquid Crystals Designed by Controlled Phase Separation in Emulsion Drops. <i>Advanced Materials</i> , 2020 , 32, e2002166	24	21
108	Elastic Photonic Microbeads as Building Blocks for Mechanochromic Materials. <i>ACS Applied Polymer Materials</i> , 2020 , 2, 706-714	4.3	21
107	Alginate microgels created by selective coalescence between core drops paired with an ultrathin shell. <i>Journal of Materials Chemistry B</i> , 2016 , 4, 3232-3238	7.3	21
106	Polymeric Inverse Glasses for Development of Noniridescent Structural Colors in Full Visible Range. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 12473-80	9.5	21
105	Large-Area Accurate Position Registry of Microparticles on Flexible, Stretchable Substrates Using Elastomer Templates. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 28149-28158	9.5	20
104	Ultrathin Double-Shell Capsules for High Performance Photon Upconversion. <i>Advanced Materials</i> , 2017 , 29, 1606830	24	19

103	Depletion-Mediated Interfacial Assembly of Semiconductor Nanorods. <i>Nano Letters</i> , 2019 , 19, 963-970	11.5	19
102	Double-Emulsion-Templated Anisotropic Microcapsules for pH-Triggered Release. <i>Advanced Materials Interfaces</i> , 2018 , 5, 1701472	4.6	19
101	SERS-Active-Charged Microgels for Size- and Charge-Selective Molecular Analysis of Complex Biological Samples. <i>Small</i> , 2018 , 14, e1802520	11	19
100	3D multilayered plasmonic nanostructures with high areal density for SERS. <i>RSC Advances</i> , 2017 , 7, 17898-17905	3.7	18
99	Full-Spectrum Photonic Pigments with Non-iridescent Structural Colors through Colloidal Assembly. <i>Angewandte Chemie</i> , 2014 , 126, 2943-2947	3.6	18
98	Microfluidic Design of Magneto-responsive Photonic Microcylinders with Multicompartments. <i>Small</i> , 2015 , 11, 4938-45	11	18
97	Controlled Origami Folding of Hydrogel Bilayers with Sustained Reversibility for Robust Microcarriers. <i>Angewandte Chemie</i> , 2012 , 124, 1449-1452	3.6	18
96	Fabrication of robust optical fibers by controlling film drainage of colloids in capillaries. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 3601-5	16.4	18
95	Microcapsules with Tailored Nanostructures by Microphase Separation of Block Copolymers. <i>Chemistry of Materials</i> , 2010 , 22, 5593-5600	9.6	18
94	Microfluidic Designing Microgels Containing Highly Concentrated Gold Nanoparticles for SERS Analysis of Complex Fluids. <i>Small</i> , 2019 , 15, e1905076	11	18
93	Creation of Faceted Polyhedral Microgels from Compressed Emulsions. <i>Small</i> , 2017 , 13, 1701256	11	17
92	Photonic Janus Balls with Controlled Magnetic Moment and Density Asymmetry. <i>ACS Nano</i> , 2020 , 14, 15714-15722	16.7	17
91	Uniform Microgels Containing Agglomerates of Silver Nanocubes for Molecular Size-Selectivity and High SERS Activity. <i>Small</i> , 2017 , 13, 1604048	11	16
90	High-performance solution-processable flexible and transparent conducting electrodes with embedded Cu mesh. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 4389-4395	7.1	16
89	Multicompartment Photonic Microcylinders toward Structural Color Inks. <i>Chemistry of Materials</i> , 2018 , 30, 3789-3797	9.6	16
88	Microfluidic Fabrication of Capsule Sensor Platform with Double-Shell Structure. <i>Advanced Functional Materials</i> , 2019 , 29, 1902670	15.6	16
87	Smart Microcapsules with Molecular Polarity- and Temperature-Dependent Permeability. <i>Small</i> , 2019 , 15, e1900434	11	15
86	Composite Microgels Created by Complexation between Polyvinyl Alcohol and Graphene Oxide in Compressed Double-Emulsion Drops. <i>Small</i> , 2020 , 16, e1903812	11	15

85	Stacked-Disk Nanotower Arrays for Use as Omniphobic Surface-Enhanced Raman Scattering Substrates. <i>Advanced Optical Materials</i> , 2016 , 4, 1893-1900	8.1	15
84	Structural Coloration with Nonclose-Packed Array of Bidisperse Colloidal Particles. <i>Small</i> , 2019 , 15, e1804548	14.5	15
83	Semipermeable Microcapsules with a Block-Polymer-Templated Nanoporous Membrane. <i>Chemistry of Materials</i> , 2018 , 30, 273-279	9.6	15
82	Controlled Encapsulation of Cholesteric Liquid Crystals Using Emulsion Templates. <i>Macromolecular Research</i> , 2018 , 26, 1054-1065	1.9	15
81	Microfluidic molding of photonic microparticles with engraved elastomeric membranes. <i>Small</i> , 2014 , 10, 3979-85	11	14
80	Direct writing of customized structural-color graphics with colloidal photonic inks. <i>Science Advances</i> , 2021 , 7, eabj8780	14.3	14
79	Controlled Insertion of Planar Defect in Inverse Opals for Anticounterfeiting Applications. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 43098-43104	9.5	14
78	Microfluidic Multicolor Encoding of Microspheres with Nanoscopic Surface Complexity for Multiplex Immunoassays. <i>Angewandte Chemie</i> , 2011 , 123, 1203-1206	3.6	13
77	Lithographically-featured photonic microparticles of colloidal assemblies. <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 11861-8	3.6	13
76	Janus Microcarriers for Magnetic Field-Controlled Combination Chemotherapy of Hepatocellular Carcinoma. <i>Advanced Functional Materials</i> , 2019 , 29, 1901384	15.6	12
75	Reconfigurable Photonic Capsules Containing Cholesteric Liquid Crystals with Planar Alignment. <i>Angewandte Chemie</i> , 2015 , 127, 15481-15485	3.6	12
74	Arrays of ferromagnetic nanorings with variable thickness fabricated by capillary force lithography. <i>Langmuir</i> , 2009 , 25, 12535-40	4	12
73	Controlled Assembly of Icosahedral Colloidal Clusters for Structural Coloration. <i>Chemistry of Materials</i> , 2020 , 32, 9704-9712	9.6	12
72	Thermo-Responsive Microcapsules with Tunable Molecular Permeability for Controlled Encapsulation and Release. <i>Advanced Functional Materials</i> , 2021 , 31, 2100782	15.6	12
71	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> , 2016 , 32, 13418-13426	4	11
70	Interfacial Assembly of Amphiphilic Tiles for Reconfigurable Photonic Surfaces. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 45237-45245	9.5	11
69	Bicolored Janus Microparticles Created by Phase Separation in Emulsion Drops. <i>Macromolecular Chemistry and Physics</i> , 2017 , 218, 1600265	2.6	11
68	Reaction-Diffusion-Mediated Photolithography for Designing Pseudo-3D Microstructures. <i>Small</i> , 2017 , 13, 1603516	11	10

67	Photoswitchable Surfactant-Driven Reversible Shape- and Color-Changing Block Copolymer Particles. <i>Journal of the American Chemical Society</i> , 2021 , 143, 13333-13341	16.4	10
66	Plasmonic Janus Microspheres Created from Pickering Emulsion Drops. <i>Advanced Materials</i> , 2020 , 32, e2001384	24	9
65	Biodegradable Inverse Opals with Controlled Discoloration. <i>Advanced Materials Interfaces</i> , 2018 , 5, 1701658	4.58	9
64	Emulsion templated vesicles with symmetric or asymmetric membranes. <i>Advances in Colloid and Interface Science</i> , 2017 , 247, 413-425	14.3	9
63	Colloidal assembly in droplets: structures and optical properties. <i>Nanoscale</i> , 2020 , 12, 18576-18594	7.7	9
62	Compressible colloidal clusters from Pickering emulsions and their DNA functionalization. <i>Chemical Communications</i> , 2018 , 54, 8328-8331	5.8	9
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