

Shin-Hyun Kim

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	Thermochromic Microcapsules Containing Chiral Mesogens Enclosed by Hydrogel Shell for Colorimetric Temperature Reporters. <i>Advanced Functional Materials</i> , 2022, 32, 2107275.	7.8	17
2	Co-Assembly of Colloids and Eumelanin Nanoparticles in Droplets for Structural Pigments with High Saturation. <i>Small</i> , 2022, 18, e2106048.	5.2	20
3	Hydrogel-Assisted 3D Volumetric Hotspot for Sensitive Detection by Surface-Enhanced Raman Spectroscopy. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1004.	1.8	8
4	Designing Multicolor Graphics of Plasmonic Metasurfaces through Gradual Protrusion of Particles at Free Interface. <i>Advanced Materials Interfaces</i> , 2022, 9, .	1.9	4
5	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> , 2022, 358, 131504.	4.0	18
6	Tomographic measurement of dielectric tensors at optical frequency. <i>Nature Materials</i> , 2022, 21, 317-324.	13.3	29
7	Crystallization and Melting of Thermo-responsive Colloids Confined in Microcapsules. <i>Chemistry of Materials</i> , 2022, 34, 3509-3517.	3.2	8
8	Hydrogel-shelled biodegradable microspheres for sustained release of encapsulants. <i>Journal of Polymer Science</i> , 2022, 60, 1700-1709.	2.0	8
9	Photonic Microbeads Templated by Oil-in-Oil Emulsion Droplets for High Saturation of Structural Colors. <i>Small</i> , 2022, 18, e2105225.	5.2	20
10	Osmosis-Mediated Microfluidic Production of Submillimeter-Sized Capsules with an Ultrathin Shell for Cosmetic Applications. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 18159-18169.	4.0	7
11	Recent advances in the microfluidic production of functional microcapsules by multiple-emulsion templating. <i>Lab on A Chip</i> , 2022, 22, 2259-2291.	3.1	26
12	Dual-Colored Janus Microspheres with Photonic and Plasmonic Faces. <i>Small</i> , 2022, 18, e2201437.	5.2	15
13	Microfluidics: Advanced platform for designing polymeric microparticles, microcapsules, and microfibers. <i>Journal of Polymer Science</i> , 2022, 60, 1651-1652.	2.0	1
14	Soft and Tough Microcapsules with Double-Network Hydrogel Shells. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	8
15	Small-Volume Plasmonic Microwell Array with 3D Hierarchical Nanomaterials for Plasmon-Enhanced Fluorescence Immunoassay. <i>Advanced NanoBiomed Research</i> , 2021, 1, 2000015.	1.7	5
16	Improving mechanical and physical properties of ultra-thick carbon nanotube fiber by fast swelling and stretching process. <i>Carbon</i> , 2021, 172, 733-741.	5.4	16
17	Microfluidic Production of Mechanochromic Photonic Fibers Containing Nonclose-Packed Colloidal Arrays. <i>Small Science</i> , 2021, 1, 2000058.	5.8	14
18	Photothermal Fabrics for Efficient Oil-Spill Remediation via Solar-Driven Evaporation Combined with Adsorption. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 13106-13113.	4.0	23

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19	Thermo-responsive Microcapsules with Tunable Molecular Permeability for Controlled Encapsulation and Release. <i>Advanced Functional Materials</i> , 2021, 31, 2100782.	7.8	37
20	Robust Biocatalysts Displayed on Crystalline Protein-layered Cells for Efficient and Sustainable Hydration of Carbon Dioxide. <i>Advanced Functional Materials</i> , 2021, 31, 2102497.	7.8	6
21	Elastic Photonic Microcapsules Containing Colloidal Crystallites as Building Blocks for Macroscopic Photonic Surfaces. <i>ACS Nano</i> , 2021, 15, 12438-12448.	7.3	24
22	Metallic Nanodimple Arrays for Wide-Angle Coloration via Plasmonic and Structural Resonances. <i>Chemistry of Materials</i> , 2021, 33, 4628-4637.	3.2	7
23	Designing Semipermeable Hydrogel Shells with Controlled Thickness through Internal Osmosis in Triple-emulsion Droplets. <i>Advanced Functional Materials</i> , 2021, 31, 2105477.	7.8	10
24	Photoswitchable Surfactant-Driven Reversible Shape- and Color-Changing Block Copolymer Particles. <i>Journal of the American Chemical Society</i> , 2021, 143, 13333-13341.	6.6	55
25	Swelling and Deswelling Kinetics of Thermo-responsive Microcapsules with Ultrathin Membrane. <i>Advanced Materials Interfaces</i> , 2021, 8, 2100538.	1.9	4
26	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> , 2021, 15, 2100316.	4.4	9
27	Direct writing of customized structural-color graphics with colloidal photonic inks. <i>Science Advances</i> , 2021, 7, eabj8780.	4.7	57
28	Hydrociphper: Bioinspired Dynamic Structural Color-based Cryptographic Surface. <i>Advanced Optical Materials</i> , 2020, 8, 1901259.	3.6	49
29	Composite Microgels Created by Complexation between Polyvinyl Alcohol and Graphene Oxide in Compressed Double-emulsion Drops. <i>Small</i> , 2020, 16, e1903812.	5.2	24
30	Elastic Photonic Microbeads as Building Blocks for Mechanochromic Materials. <i>ACS Applied Polymer Materials</i> , 2020, 2, 706-714.	2.0	38
31	Plasmonic Microgels for Raman-Based Molecular Detection Created by Simultaneous Photoreduction and Photocross-linking. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 48188-48197.	4.0	14
32	Fluorescent Polymer-MoS ₂ -Embedded Microgels for Photothermal Heating and Colorimetric Monitoring. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 35415-35423.	4.0	13
33	Controlled Assembly of Icosahedral Colloidal Clusters for Structural Coloration. <i>Chemistry of Materials</i> , 2020, 32, 9704-9712.	3.2	23
34	Photonic Janus Balls with Controlled Magnetic Moment and Density Asymmetry. <i>ACS Nano</i> , 2020, 14, 15714-15722.	7.3	48
35	Photonic Multishells: Photonic Multishells Composed of Cholesteric Liquid Crystals Designed by Controlled Phase Separation in Emulsion Drops (<i>Adv. Mater.</i> 30/2020). <i>Advanced Materials</i> , 2020, 32, 2070227.	11.1	2
36	Colloidal assembly in droplets: structures and optical properties. <i>Nanoscale</i> , 2020, 12, 18576-18594.	2.8	29

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37	Quasi-3D Plasmonic Nanowell Array for Molecular Enrichment and SERS-Based Detection. <i>Nanomaterials</i> , 2020, 10, 939.	1.9	3
38	Plasmonic Janus Microspheres Created from Pickering Emulsion Drops. <i>Advanced Materials</i> , 2020, 32, e2001384.	11.1	22
39	Encapsulation of 3D plasmonic nanostructures with ultrathin hydrogel skin for rapid and direct detection of toxic small molecules in complex fluids. <i>Nanoscale</i> , 2020, 12, 12942-12949.	2.8	13
40	Photonic Multishells Composed of Cholesteric Liquid Crystals Designed by Controlled Phase Separation in Emulsion Drops. <i>Advanced Materials</i> , 2020, 32, e2002166.	11.1	39
41	Colloidal Crystallization: Real-Time Monitoring of Colloidal Crystallization in Electrostatically Levitated Drops (Small 11/2020). <i>Small</i> , 2020, 16, 2070060.	5.2	0
42	Macroporous Hydrogels for Fast and Reversible Switching between Transparent and Structurally Colored States. <i>Advanced Functional Materials</i> , 2020, 30, 2001318.	7.8	62
43	Real-Time Monitoring of Colloidal Crystallization in Electrostatically Levitated Drops. <i>Small</i> , 2020, 16, 1907478.	5.2	12
44	Microfluidic Fabrication of Capsule Sensor Platform with Double-Shell Structure. <i>Advanced Functional Materials</i> , 2019, 29, 1902670.	7.8	23
45	Interfacial Assembly of Amphiphilic Tiles for Reconfigurable Photonic Surfaces. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 45237-45245.	4.0	16
46	Active Patchy Colloids with Shape-Tunable Dynamics. <i>Journal of the American Chemical Society</i> , 2019, 141, 14853-14863.	6.6	57
47	Colloidal Photonic Inks for Mechanochromic Films and Patterns with Structural Colors of High Saturation. <i>Chemistry of Materials</i> , 2019, 31, 8154-8162.	3.2	103
48	Single-step assembly of asymmetric vesicles. <i>Lab on A Chip</i> , 2019, 19, 749-756.	3.1	30
49	Depletion-Mediated Interfacial Assembly of Semiconductor Nanorods. <i>Nano Letters</i> , 2019, 19, 963-970.	4.5	28
50	Colorimetric Recording of Thermal Conditions on Polymeric Inverse Opals. <i>Advanced Materials</i> , 2019, 31, e1901398.	11.1	38
51	Smart Microcapsules with Molecular Polarity- and Temperature-Dependent Permeability. <i>Small</i> , 2019, 15, e1900434.	5.2	24
52	Janus Microcarriers for Magnetic Field-Controlled Combination Chemotherapy of Hepatocellular Carcinoma. <i>Advanced Functional Materials</i> , 2019, 29, 1901384.	7.8	22
53	Photonic Microcapsules Containing Single-Crystal Colloidal Arrays with Optical Anisotropy. <i>Advanced Materials</i> , 2019, 31, e1900693.	11.1	54
54	Designing Structural-Color Patterns Composed of Colloidal Arrays. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 14485-14509.	4.0	98

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55	3D nanoporous plasmonic chips for extremely sensitive NO ₂ detection. <i>Analyst</i> , The, 2019, 144, 7162-7167.	1.7	7
56	Microfluidic Designing Microgels Containing Highly Concentrated Gold Nanoparticles for SERS Analysis of Complex Fluids. <i>Small</i> , 2019, 15, e1905076.	5.2	32
57	Structural Coloration with Nonclose-Packed Array of Bidisperse Colloidal Particles. <i>Small</i> , 2019, 15, e1804548.	5.2	26
58	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.	4.0	50
59	Microfluidic Production of Capsules in Capsules for Programed Release of Multiple Ingredients. <i>Advanced Materials Technologies</i> , 2018, 3, 1800006.	3.0	27
60	Designing Multicolor Micropatterns of Inverse Opals with Photonic Bandgap and Surface Plasmon Resonance. <i>Advanced Functional Materials</i> , 2018, 28, 1706664.	7.8	34
61	Biodegradable Inverse Opals with Controlled Discoloration. <i>Advanced Materials Interfaces</i> , 2018, 5, 1701658.	1.9	13
62	High-performance solution-processable flexible and transparent conducting electrodes with embedded Cu mesh. <i>Journal of Materials Chemistry C</i> , 2018, 6, 4389-4395.	2.7	22
63	Inertial-ordering-assisted droplet microfluidics for high-throughput single-cell RNA-sequencing. <i>Lab on A Chip</i> , 2018, 18, 775-784.	3.1	85
64	Double-Emulsion-Templated Anisotropic Microcapsules for pH-Triggered Release. <i>Advanced Materials Interfaces</i> , 2018, 5, 1701472.	1.9	25
65	Photo-Reconfigurable Azopolymer Etch Mask: Photofluidization-Driven Reconfiguration and Edge Rectangularization. <i>Small</i> , 2018, 14, e1703250.	5.2	10
66	Semipermeable Microcapsules with a Block-Polymer-Templated Nanoporous Membrane. <i>Chemistry of Materials</i> , 2018, 30, 273-279.	3.2	30
67	Lithographically Designed Conical Microcarriers for Programed Release of Multiple Actives. <i>Advanced Materials Interfaces</i> , 2018, 5, 1701163.	1.9	5
68	Controlled Encapsulation of Cholesteric Liquid Crystals Using Emulsion Templates. <i>Macromolecular Research</i> , 2018, 26, 1054-1065.	1.0	23
69	Microgels: SERS-Active-Charged Microgels for Size- and Charge-Selective Molecular Analysis of Complex Biological Samples (Small 40/2018). <i>Small</i> , 2018, 14, 1870183.	5.2	0
70	2-Dimensional colloidal micropatterning of cholesteric liquid crystal microcapsules for temperature-responsive color displays. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 68, 393-398.	2.9	15
71	Osmotic-Stress-Mediated Control of Membrane Permeability of Polymeric Microcapsules. <i>Chemistry of Materials</i> , 2018, 30, 7211-7220.	3.2	8
72	Uniform Coating of Self-Assembled Noniridescent Colloidal Nanostructures using the Marangoni Effect and Polymers. <i>Physical Review Applied</i> , 2018, 10, .	1.5	13

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73	Photonic Capsule Sensors with Built-in Colloidal Crystallites. <i>Advanced Materials</i> , 2018, 30, e1803387.	11.1	82
74	Compressible colloidal clusters from Pickering emulsions and their DNA functionalization. <i>Chemical Communications</i> , 2018, 54, 8328-8331.	2.2	10
75	Wavelength-tunable and shape-reconfigurable photonic capsule resonators containing cholesteric liquid crystals. <i>Science Advances</i> , 2018, 4, eaat8276.	4.7	77
76	Hydrate Growth Inhibition by Poly(vinyl caprolactam) Released from Microcarriers under Turbulent Mixing Conditions. <i>Energy & Fuels</i> , 2018, 32, 9001-9009.	2.5	2
77	An Antibody-Immobilized Silica Inverse Opal Nanostructure for Label-Free Optical Biosensors. <i>Sensors</i> , 2018, 18, 307.	2.1	48
78	Multicompartment Photonic Microcylinders toward Structural Color Inks. <i>Chemistry of Materials</i> , 2018, 30, 3789-3797.	3.2	25
79	SERS-Active-Charged Microgels for Size- and Charge-Selective Molecular Analysis of Complex Biological Samples. <i>Small</i> , 2018, 14, e1802520.	5.2	40
80	Reaction-Diffusion-Mediated Photolithography for Designing Pseudo-3D Microstructures. <i>Small</i> , 2017, 13, 1603516.	5.2	12
81	Magneto-responsive Photonic Microspheres with Structural Color Gradient. <i>Advanced Materials</i> , 2017, 29, 1605450.	11.1	47
82	Amplified Photon Upconversion by Photonic Shell of Cholesteric Liquid Crystals. <i>Journal of the American Chemical Society</i> , 2017, 139, 5708-5711.	6.6	47
83	Uniform Microgels Containing Agglomerates of Silver Nanocubes for Molecular Size-Selectivity and High SERS Activity. <i>Small</i> , 2017, 13, 1604048.	5.2	25
84	Thermo-responsive Microcarriers for Smart Release of Hydrate Inhibitors under Shear Flow. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 17178-17185.	4.0	12
85	Microfluidic Production of Biodegradable Microcapsules for Sustained Release of Hydrophilic Actives. <i>Small</i> , 2017, 13, 1700646.	5.2	57
86	Liquid Crystals: Structural Color Palettes of Core-Shell Photonic Ink Capsules Containing Cholesteric Liquid Crystals (<i>Adv. Mater.</i> 23/2017). <i>Advanced Materials</i> , 2017, 29, .	11.1	6
87	Structural Color Palettes of Core-Shell Photonic Ink Capsules Containing Cholesteric Liquid Crystals. <i>Advanced Materials</i> , 2017, 29, 1606894.	11.1	95
88	Selective Coloration of Melanin Nanospheres through Resonant Mie Scattering. <i>Advanced Materials</i> , 2017, 29, 1700256.	11.1	54
89	3D multilayered plasmonic nanostructures with high areal density for SERS. <i>RSC Advances</i> , 2017, 7, 17898-17905.	1.7	22
90	Ultrathin Double-Shell Capsules for High Performance Photon Upconversion. <i>Advanced Materials</i> , 2017, 29, 1606830.	11.1	22

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91	Droplet-Guiding Superhydrophobic Arrays of Plasmonic Microposts for Molecular Concentration and Detection. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 37201-37209.	4.0	30
92	Flexible and Robust Superomniphobic Surfaces Created by Localized Photofluidization of Azopolymer Pillars. <i>ACS Nano</i> , 2017, 11, 7821-7828.	7.3	115
93	Emulsion templated vesicles with symmetric or asymmetric membranes. <i>Advances in Colloid and Interface Science</i> , 2017, 247, 413-425.	7.0	13
94	Chameleon-Inspired Mechanochromic Photonic Films Composed of Non-Close-Packed Colloidal Arrays. <i>ACS Nano</i> , 2017, 11, 11350-11357.	7.3	274
95	Creation of Faceted Polyhedral Microgels from Compressed Emulsions. <i>Small</i> , 2017, 13, 1701256.	5.2	23
96	Robust photonic microparticles comprising cholesteric liquid crystals for anti-forgery materials. <i>Journal of Materials Chemistry C</i> , 2017, 5, 7567-7573.	2.7	37
97	Bicolored Janus Microparticles Created by Phase Separation in Emulsion Drops. <i>Macromolecular Chemistry and Physics</i> , 2017, 218, 1600265.	1.1	18
98	Photonic-crystal hydrogels with a rapidly tunable stop band and high reflectivity across the visible. <i>Optical Materials Express</i> , 2017, 7, 253.	1.6	31
99	Controlled Insertion of Planar Defect in Inverse Opals for Anticounterfeiting Applications. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 43098-43104.	4.0	18
100	Lithographic Design of Overhanging Microdisk Arrays Toward Omniphobic Surfaces. <i>Advanced Materials</i> , 2016, 28, 291-298.	11.1	55
101	Lithographically Encrypted Inverse Opals for Anti-Counterfeiting Applications. <i>Small</i> , 2016, 12, 3819-3826.	5.2	93
102	Designing Multicolored Photonic Micropatterns through the Regioselective Thermal Compression of Inverse Opals. <i>Advanced Functional Materials</i> , 2016, 26, 4587-4594.	7.8	69
103	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.	2.9	28
104	Polymeric Inverse Glasses for Development of Noniridescent Structural Colors in Full Visible Range. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 12473-12480.	4.0	28
105	Nanostructured plasmonic substrates for use as SERS sensors. <i>Nano Convergence</i> , 2016, 3, 18.	6.3	99
106	Large-Area Accurate Position Registry of Microparticles on Flexible, Stretchable Substrates Using Elastomer Templates. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 28149-28158.	4.0	25
107	Stacked Disk Nanotower Arrays for Use as Omniphobic Surface-Enhanced Raman Scattering Substrates. <i>Advanced Optical Materials</i> , 2016, 4, 1893-1900.	3.6	16
108	Hydrate formation in water-laden microcapsules for temperature-sensitive release of encapsulants. <i>RSC Advances</i> , 2016, 6, 85012-85018.	1.7	2

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109	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.	1.6	13
110	Microfluidic production of multiple emulsions and functional microcapsules. <i>Lab on A Chip</i> , 2016, 16, 3415-3440.	3.1	187
111	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.	3.2	34
112	Microfluidic Production of Uniform Microcarriers with Multicompartment through Phase Separation in Emulsion Drops. <i>Chemistry of Materials</i> , 2016, 28, 1430-1438.	3.2	74
113	Hierarchical nanostructures created by interference of high-order diffraction beams. <i>Journal of Materials Chemistry C</i> , 2016, 4, 1088-1095.	2.7	9
114	Colloidal Photonic Crystals for Sensor Applications. <i>Springer Series in Materials Science</i> , 2016, , 51-78.	0.4	5
115	Photonic Crystals: Liquid-Impermeable Inverse Opals with Invariant Photonic Bandgap (<i>Adv. Mater.</i>) Tj ETQq1 1 0.784314 rgBT /Overlo	11.1	1
116	Monodisperse Emulsion Drop Microenvironments for Bacterial Biofilm Growth. <i>Small</i> , 2015, 11, 3954-3961.	5.2	71
117	Standing-Wave-Assisted Creation of Nanopillar Arrays with Vertically Integrated Nanogaps for SERS-Active Substrates. <i>Advanced Functional Materials</i> , 2015, 25, 4681-4688.	7.8	49
118	Microfluidic Design of Magnetoresponse Photonic Microcylinders with Multicompartment. <i>Small</i> , 2015, 11, 4938-4945.	5.2	22
119	Reconfigurable Photonic Capsules Containing Cholesteric Liquid Crystals with Planar Alignment. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 15266-15270.	7.2	73
120	Osmotic-Pressure-Mediated Control of Structural Colors of Photonic Capsules. <i>Chemistry of Materials</i> , 2015, 27, 1014-1020.	3.2	59
121	Anisotropic Microparticles Created by Phase Separation of Polymer Blends Confined in Monodisperse Emulsion Drops. <i>Langmuir</i> , 2015, 31, 937-943.	1.6	61
122	Liquid Crystals: Robust Microfluidic Encapsulation of Cholesteric Liquid Crystals Toward Photonic Ink Capsules (<i>Adv. Mater.</i> 4/2015). <i>Advanced Materials</i> , 2015, 27, 771-771.	11.1	2
123	Microfluidic Production of Semipermeable Microcapsules by Polymerization-Induced Phase Separation. <i>Langmuir</i> , 2015, 31, 6027-6034.	1.6	56
124	Hydroxide ion-mediated synthesis of monodisperse dopamine-melanin nanospheres. <i>Journal of Colloid and Interface Science</i> , 2015, 458, 87-93.	5.0	48
125	Microfluidic generation of PEG-b-PLA polymersomes containing alginate-based core hydrogel. <i>Biomicrofluidics</i> , 2015, 9, 024101.	1.2	31
126	Dynamic designing of microstructures by chemical gradient-mediated growth. <i>Nature Communications</i> , 2015, 6, 6584.	5.8	31

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127	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, 10969-10975.	3.2	70
128	Liquid-Impermeable Inverse Opals with Invariant Photonic Bandgap. <i>Advanced Materials</i> , 2015, 27, 1282-1287.	11.1	68
129	Self-Organization of Nanorods into Ultra-Long Range Two-Dimensional Monolayer End-to-End Network. <i>Nano Letters</i> , 2015, 15, 714-720.	4.5	32
130	Robust Microfluidic Encapsulation of Cholesteric Liquid Crystals Toward Photonic Ink Capsules. <i>Advanced Materials</i> , 2015, 27, 627-633.	11.1	111
131	Ultrathin Shell Double Emulsion Templated Giant Unilamellar Lipid Vesicles with Controlled Microdomain Formation. <i>Small</i> , 2014, 10, 950-956.	5.2	150
132	Perforated Microcapsules with Selective Permeability Created by Confined Phase Separation of Polymer Blends. <i>Chemistry of Materials</i> , 2014, 26, 7166-7171.	3.2	36
133	Osmocapsules for Direct Measurement of Osmotic Strength. <i>Small</i> , 2014, 10, 1155-1162.	5.2	27
134	25th Anniversary Article: Double Emulsion Templated Solid Microcapsules: Mechanics And Controlled Release. <i>Advanced Materials</i> , 2014, 26, 2205-2218.	11.1	226
135	Controlled formation of double-emulsion drops in sudden expansion channels. <i>Journal of Colloid and Interface Science</i> , 2014, 415, 26-31.	5.0	28
136	Microfluidic Fabrication of Giant Unilamellar Lipid Vesicles with Controlled Microdomain Formation. <i>Biophysical Journal</i> , 2014, 106, 42a.	0.2	3
137	Full-Spectrum Photonic Pigments with Non-Iridescent Structural Colors through Colloidal Assembly. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 2899-2903.	7.2	206
138	Microcapsules: Osmocapsules for Direct Measurement of Osmotic Strength (Small 6/2014). <i>Small</i> , 2014, 10, 1232-1232.	5.2	1
139	Controlled Pixelation of Inverse Opaline Structures Towards Reflection-Mode Displays. <i>Advanced Materials</i> , 2014, 26, 2391-2397.	11.1	141
140	Droplet Microfluidics for Producing Functional Microparticles. <i>Langmuir</i> , 2014, 30, 1473-1488.	1.6	199
141	Osmotic-pressure-controlled concentration of colloidal particles in thin-shelled capsules. <i>Nature Communications</i> , 2014, 5, 3068.	5.8	152
142	Photonic Crystals: Magneto-responsive Discoidal Photonic Crystals Toward Active Color Pigments (Adv. Mater. 33/2014). <i>Advanced Materials</i> , 2014, 26, 5734-5734.	11.1	1
143	Bio-inspired nanotadpoles with component-specific functionality. <i>Journal of Materials Chemistry B</i> , 2014, 2, 6462-6466.	2.9	3
144	Ordered Packing of Emulsion Droplets toward the Preparation of Adjustable Photomasks. <i>Langmuir</i> , 2014, 30, 5404-5411.	1.6	7

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145	Monolithic Photonic Crystals Created by Partial Coalescence of Core-Shell Particles. <i>Langmuir</i> , 2014, 30, 2369-2375.	1.6	4
146	Magneto-responsive Discoidal Photonic Crystals Toward Active Color Pigments. <i>Advanced Materials</i> , 2014, 26, 5801-5807.	11.1	56
147	Nonspherical Double Emulsions with Multiple Distinct Cores Enveloped by Ultrathin Shells. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 1294-1300.	4.0	42
148	Colloidal Assembly in Leidenfrost Drops for Noniridescent Structural Color Pigments. <i>Langmuir</i> , 2014, 30, 8350-8356.	1.6	28
149	Photothermal Control of Membrane Permeability of Microcapsules for On-Demand Release. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 826-832.	4.0	43
150	Microfluidic Molding of Photonic Microparticles with Engraved Elastomeric Membranes. <i>Small</i> , 2014, 10, 3979-3985.	5.2	14
151	Microfluidic Fabrication of Vesicles. <i>Advances in Transport Phenomena</i> , 2014, , 1-28.	0.5	3
152	Microfluidic Fabrication of Stable Gas-Filled Microcapsules for Acoustic Contrast Enhancement. <i>Langmuir</i> , 2013, 29, 12352-12357.	1.6	37
153	Enhanced-throughput production of polymersomes using a parallelized capillary microfluidic device. <i>Microfluidics and Nanofluidics</i> , 2013, 14, 509-514.	1.0	66
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