

# Shin-Hyun Kim

## List of Publications by Year in descending order

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222  
papers

12,599  
citations

21215

62  
h-index

36203

101  
g-index

245  
all docs

245  
docs citations

245  
times ranked

12892  
citing authors

#	ARTICLE	IF	CITATIONS
1	Self-assembled colloidal structures for photonics. <i>NPG Asia Materials</i> , 2011, 3, 25-33.	3.8	344
2	Colloidal Photonic Crystals toward Structural Color Palettes for Security Materials. <i>Chemistry of Materials</i> , 2013, 25, 2684-2690.	3.2	315
3	Synthesis and assembly of structured colloidal particles. <i>Journal of Materials Chemistry</i> , 2008, 18, 2177.	6.7	277
4	Chameleon-Inspired Mechanochromic Photonic Films Composed of Non-Close-Packed Colloidal Arrays. <i>ACS Nano</i> , 2017, 11, 11350-11357.	7.3	274
5	Characterizing and tracking single colloidal particles with video holographic microscopy. <i>Optics Express</i> , 2007, 15, 18275.	1.7	272
6	Multicompartment Polymersomes from Double Emulsions. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 1648-1651.	7.2	245
7	25th Anniversary Article: Double Emulsion Templated Solid Microcapsules: Mechanics And Controlled Release. <i>Advanced Materials</i> , 2014, 26, 2205-2218.	11.1	226
8	Double-emulsion drops with ultra-thin shells for capsule templates. <i>Lab on A Chip</i> , 2011, 11, 3162-3166.	3.1	225
9	Multiple Polymersomes for Programmed Release of Multiple Components. <i>Journal of the American Chemical Society</i> , 2011, 133, 15165-15171.	6.6	219
10	Self-Organization of Bidisperse Colloids in Water Droplets. <i>Journal of the American Chemical Society</i> , 2005, 127, 15968-15975.	6.6	209
11	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
12	Droplet Microfluidics for Producing Functional Microparticles. <i>Langmuir</i> , 2014, 30, 1473-1488.	1.6	199
13	Controlled Origami Folding of Hydrogel Bilayers with Sustained Reversibility for Robust Microcarriers. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 1420-1423.	7.2	194
14	Microfluidic production of multiple emulsions and functional microcapsules. <i>Lab on A Chip</i> , 2016, 16, 3415-3440.	3.1	187
15	Microwave-Assisted Self-Organization of Colloidal Particles in Confining Aqueous Droplets. <i>Journal of the American Chemical Society</i> , 2006, 128, 10897-10904.	6.6	177
16	Protein Expression, Aggregation, and Triggered Release from Polymersomes as Artificial Cell-like Structures. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 6416-6420.	7.2	162
17	Amphiphilic Crescent-Moon-Shaped Microparticles Formed by Selective Adsorption of Colloids. <i>Journal of the American Chemical Society</i> , 2011, 133, 5516-5524.	6.6	159
18	Photo- and Thermoresponsive Polymersomes for Triggered Release. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 12499-12503.	7.2	155

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19	Optofluidic Assembly of Colloidal Photonic Crystals with Controlled Sizes, Shapes, and Structures. <i>Advanced Materials</i> , 2008, 20, 1649-1655.	11.1	154
20	Single step emulsification for the generation of multi-component double emulsions. <i>Soft Matter</i> , 2012, 8, 10719.	1.2	152
21	Osmotic-pressure-controlled concentration of colloidal particles in thin-shelled capsules. <i>Nature Communications</i> , 2014, 5, 3068.	5.8	152
22	Janus Microspheres for a Highly Flexible and Impregnable Water-Repelling Interface. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 2535-2538.	7.2	151
23	Dissolution Arrest and Stability of Particle-Covered Bubbles. <i>Physical Review Letters</i> , 2007, 99, 188301.	2.9	150
24	Ultrathin Shell Double Emulsion Templated Giant Unilamellar Lipid Vesicles with Controlled Microdomain Formation. <i>Small</i> , 2014, 10, 950-956.	5.2	150
25	Optofluidic Encapsulation of Crystalline Colloidal Arrays into Spherical Membrane. <i>Journal of the American Chemical Society</i> , 2008, 130, 6040-6046.	6.6	149
26	Polymer Microcapsules with Programmable Active Release. <i>Journal of the American Chemical Society</i> , 2013, 135, 7744-7750.	6.6	149
27	Dynamic Modulation of Photonic Bandgaps in Crystalline Colloidal Arrays Under Electric Field. <i>Advanced Materials</i> , 2010, 22, 4494-4498.	11.1	144
28	Controlled Pixelation of Inverse Opaline Structures Towards Reflection-Mode Displays. <i>Advanced Materials</i> , 2014, 26, 2391-2397.	11.1	141
29	Delayed Buckling and Guided Folding of Inhomogeneous Capsules. <i>Physical Review Letters</i> , 2012, 109, 134302.	2.9	130
30	One-Step Emulsification of Multiple Concentric Shells with Capillary Microfluidic Devices. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 8731-8734.	7.2	118
31	Flexible and Robust Superomniphobic Surfaces Created by Localized Photofluidization of Azopolymer Pillars. <i>ACS Nano</i> , 2017, 11, 7821-7828.	7.3	115
32	Robust Microfluidic Encapsulation of Cholesteric Liquid Crystals Toward Photonic Ink Capsules. <i>Advanced Materials</i> , 2015, 27, 627-633.	11.1	111
33	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
34	Colloidal Clusters of Microspheres from Water-in-Oil Emulsions. <i>Chemistry of Materials</i> , 2005, 17, 5006-5013.	3.2	102
35	Microfluidic Multicolor Encoding of Microspheres with Nanoscopic Surface Complexity for Multiplex Immunoassays. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 1171-1174.	7.2	100
36	Optofluidic Synthesis of Electroresponsive Photonic Janus Balls with Isotropic Structural Colors. <i>Advanced Materials</i> , 2008, 20, 4129-4134.	11.1	99

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37	Nanostructured plasmonic substrates for use as SERS sensors. <i>Nano Convergence</i> , 2016, 3, 18.	6.3	99
38	Designing Structural-Color Patterns Composed of Colloidal Arrays. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 14485-14509.	4.0	98
39	Structural Color Palettes of Core-Shell Photonic Ink Capsules Containing Cholesteric Liquid Crystals. <i>Advanced Materials</i> , 2017, 29, 1606894.	11.1	95
40	Lithographically Encrypted Inverse Opals for Anti-Counterfeiting Applications. <i>Small</i> , 2016, 12, 3819-3826.	5.2	93
41	Magneto-responsive Microparticles with Nanoscopic Surface Structures for Remote-Controlled Locomotion. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 3786-3790.	7.2	88
42	Integration of Colloidal Photonic Crystals toward Miniaturized Spectrometers. <i>Advanced Materials</i> , 2010, 22, 946-950.	11.1	86
43	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
44	Low-Threshold Lasing in 3D Dye-Doped Photonic Crystals Derived from Colloidal Self-Assemblies. <i>Chemistry of Materials</i> , 2009, 21, 4993-4999.	3.2	82
45	Photonic Capsule Sensors with Built-in Colloidal Crystallites. <i>Advanced Materials</i> , 2018, 30, e1803387.	11.1	82
46	Single-Step Fabrication of Monodisperse TiO <sub>2</sub> Hollow Spheres with Embedded Nanoparticles in Microfluidic Devices. <i>Chemistry of Materials</i> , 2009, 21, 201-203.	3.2	79
47	Wavelength-tunable and shape-reconfigurable photonic capsule resonators containing cholesteric liquid crystals. <i>Science Advances</i> , 2018, 4, eaat8276.	4.7	77
48	Microfluidic fabrication of SERS-active microspheres for molecular detection. <i>Lab on A Chip</i> , 2011, 11, 87-92.	3.1	76
49	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
50	Reconfigurable Photonic Capsules Containing Cholesteric Liquid Crystals with Planar Alignment. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 15266-15270.	7.2	73
51	Monodisperse Emulsion Drop Microenvironments for Bacterial Biofilm Growth. <i>Small</i> , 2015, 11, 3954-3961.	5.2	71
52	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
53	Designing Multicolored Photonic Micropatterns through the Regioselective Thermal Compression of Inverse Opals. <i>Advanced Functional Materials</i> , 2016, 26, 4587-4594.	7.8	69
54	Patterned Colloidal Photonic Domes and Balls Derived from Viscous Photocurable Suspensions. <i>Advanced Materials</i> , 2008, 20, 3211-3217.	11.1	68

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55	Polymersomes Containing a Hydrogel Network for High Stability and Controlled Release. <i>Small</i> , 2013, 9, 124-131.	5.2	68
56	Liquid-Impermeable Inverse Opals with Invariant Photonic Bandgap. <i>Advanced Materials</i> , 2015, 27, 1282-1287.	11.1	68
57	Particles with Coordinated Patches or Windows from Oil-in-Water Emulsions. <i>Chemistry of Materials</i> , 2007, 19, 3183-3193.	3.2	67
58	Elaborate Design Strategies Toward Novel Microcarriers for Controlled Encapsulation and Release. <i>Particle and Particle Systems Characterization</i> , 2013, 30, 9-45.	1.2	67
59	Enhanced-throughput production of polymersomes using a parallelized capillary microfluidic device. <i>Microfluidics and Nanofluidics</i> , 2013, 14, 509-514.	1.0	66
60	Freestanding and Arrayed Nanoporous Microcylinders for Highly Active 3D SERS Substrate. <i>Chemistry of Materials</i> , 2013, 25, 2421-2426.	3.2	64
61	Macroporous Hydrogels for Fast and Reversible Switching between Transparent and Structurally Colored States. <i>Advanced Functional Materials</i> , 2020, 30, 2001318.	7.8	62
62	Packing of Emulsion Droplets: Structural and Functional Motifs for Multi-Cored Microcapsules. <i>Advanced Functional Materials</i> , 2011, 21, 1608-1615.	7.8	61
63	Anisotropic Microparticles Created by Phase Separation of Polymer Blends Confined in Monodisperse Emulsion Drops. <i>Langmuir</i> , 2015, 31, 937-943.	1.6	61
64	Osmotic-Pressure-Mediated Control of Structural Colors of Photonic Capsules. <i>Chemistry of Materials</i> , 2015, 27, 1014-1020.	3.2	59
65	Microfluidic Production of Biodegradable Microcapsules for Sustained Release of Hydrophilic Actives. <i>Small</i> , 2017, 13, 1700646.	5.2	57
66	Active Patchy Colloids with Shape-Tunable Dynamics. <i>Journal of the American Chemical Society</i> , 2019, 141, 14853-14863.	6.6	57
67	Direct writing of customized structural-color graphics with colloidal photonic inks. <i>Science Advances</i> , 2021, 7, eabj8780.	4.7	57
68	Photocurable Pickering Emulsion for Colloidal Particles with Structural Complexity. <i>Langmuir</i> , 2008, 24, 2365-2371.	1.6	56
69	Magneto-responsive Discoidal Photonic Crystals Toward Active Color Pigments. <i>Advanced Materials</i> , 2014, 26, 5801-5807.	11.1	56
70	Microfluidic Production of Semipermeable Microcapsules by Polymerization-Induced Phase Separation. <i>Langmuir</i> , 2015, 31, 6027-6034.	1.6	56
71	Lithographic Design of Overhanging Microdisk Arrays Toward Omniphobic Surfaces. <i>Advanced Materials</i> , 2016, 28, 291-298.	11.1	55
72	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

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73	Microspheres with Tunable Refractive Index by Controlled Assembly of Nanoparticles. <i>Advanced Materials</i> , 2008, 20, 3268-3273.	11.1	54
74	Selective Coloration of Melanin Nanospheres through Resonant Mie Scattering. <i>Advanced Materials</i> , 2017, 29, 1700256.	11.1	54
75	Photonic Microcapsules Containing Single-Crystal Colloidal Arrays with Optical Anisotropy. <i>Advanced Materials</i> , 2019, 31, e1900693.	11.1	54
76	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> , 2018, 10, 9023-9031.	4.0	50
77	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
78	Hydrocipher: Bioinspired Dynamic Structural Color-Based Cryptographic Surface. <i>Advanced Optical Materials</i> , 2020, 8, 1901259.	3.6	49
79	Hydroxide ion-mediated synthesis of monodisperse dopamine-melanin nanospheres. <i>Journal of Colloid and Interface Science</i> , 2015, 458, 87-93.	5.0	48
80	An Antibody-Immobilized Silica Inverse Opal Nanostructure for Label-Free Optical Biosensors. <i>Sensors</i> , 2018, 18, 307.	2.1	48
81	Photonic Janus Balls with Controlled Magnetic Moment and Density Asymmetry. <i>ACS Nano</i> , 2020, 14, 15714-15722.	7.3	48
82	Formation of polymersomes with double bilayers templated by quadruple emulsions. <i>Lab on A Chip</i> , 2013, 13, 1351.	3.1	47
83	Magneto-responsive Photonic Microspheres with Structural Color Gradient. <i>Advanced Materials</i> , 2017, 29, 1605450.	11.1	47
84	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
85	Surface Functionalized Hydrophobic Porous Particles Toward Water Treatment Application. <i>Advanced Materials</i> , 2013, 25, 3215-3221.	11.1	45
86	Fabrication of Spherical Colloidal Crystals Using Electrospray. <i>Langmuir</i> , 2005, 21, 10416-10421.	1.6	44
87	Controlling Orientation and Order in Block Copolymer Thin Films. <i>Advanced Materials</i> , 2008, 20, 4851-4856.	11.1	44
88	Photothermal Control of Membrane Permeability of Microcapsules for On-Demand Release. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 826-832.	4.0	43
89	Microfluidic fabrication of photo-responsive hydrogel capsules. <i>Chemical Communications</i> , 2013, 49, 1865.	2.2	42
90	Nonspherical Double Emulsions with Multiple Distinct Cores Enveloped by Ultrathin Shells. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 1294-1300.	4.0	42

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91	SERS-Active Charged Microgels for Size- and Charge-Selective Molecular Analysis of Complex Biological Samples. <i>Small</i> , 2018, 14, e1802520.	5.2	40
92	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
93	Homogeneous and heterogeneous binary colloidal clusters formed by evaporation-induced self-assembly inside droplets. <i>Journal of Colloid and Interface Science</i> , 2008, 318, 124-133.	5.0	38
94	Colorimetric Recording of Thermal Conditions on Polymeric Inverse Opals. <i>Advanced Materials</i> , 2019, 31, e1901398.	11.1	38
95	Elastic Photonic Microbeads as Building Blocks for Mechanochromic Materials. <i>ACS Applied Polymer Materials</i> , 2020, 2, 706-714.	2.0	38
96	Patterned Polymeric Domes with 3D and 2D Embedded Colloidal Crystals using Photocurable Emulsion Droplets. <i>Advanced Materials</i> , 2009, 21, 3771-3775.	11.1	37
97	Monodisperse Gas-Filled Microparticles from Reactions in Double Emulsions. <i>Langmuir</i> , 2012, 28, 6742-6745.	1.6	37
98	Microfluidic Fabrication of Stable Gas-Filled Microcapsules for Acoustic Contrast Enhancement. <i>Langmuir</i> , 2013, 29, 12352-12357.	1.6	37
99	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
100	Thermo-Responsive Microcapsules with Tunable Molecular Permeability for Controlled Encapsulation and Release. <i>Advanced Functional Materials</i> , 2021, 31, 2100782.	7.8	37
101	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
102	Optofluidic integration of a photonic crystal nanolaser. <i>Optics Express</i> , 2008, 16, 6515.	1.7	35
103	Polymeric Particles with Structural Complexity from Stable Immobilized Emulsions. <i>Chemistry of Materials</i> , 2007, 19, 4751-4760.	3.2	34
104	Robust Chirped Photonic Crystals Created by Controlled Colloidal Diffusion. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 11649-11653.	7.2	34
105	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
106	Designing Multicolor Micropatterns of Inverse Opals with Photonic Bandgap and Surface Plasmon Resonance. <i>Advanced Functional Materials</i> , 2018, 28, 1706664.	7.8	34
107	Microfluidic fabrication of microparticles with structural complexity using photocurable emulsion droplets. <i>New Journal of Physics</i> , 2009, 11, 075014.	1.2	32
108	Biofunctional colloids and their assemblies. <i>Soft Matter</i> , 2010, 6, 1092.	1.2	32

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109	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
110	Microfluidic Designing Microgels Containing Highly Concentrated Gold Nanoparticles for SERS Analysis of Complex Fluids. <i>Small</i> , 2019, 15, e1905076.	5.2	32
111	Microfluidic generation of PEG-b-PLA polymersomes containing alginate-based core hydrogel. <i>Biomicrofluidics</i> , 2015, 9, 024101.	1.2	31
112	Dynamic designing of microstructures by chemical gradient-mediated growth. <i>Nature Communications</i> , 2015, 6, 6584.	5.8	31
113	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
114	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.	2.3	30
115	Droplet-Guiding Superhydrophobic Arrays of Plasmonic Microposts for Molecular Concentration and Detection. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 37201-37209.	4.0	30
116	Semipermeable Microcapsules with a Block-Polymer-Templated Nanoporous Membrane. <i>Chemistry of Materials</i> , 2018, 30, 273-279.	3.2	30
117	Single-step assembly of asymmetric vesicles. <i>Lab on A Chip</i> , 2019, 19, 749-756.	3.1	30
118	Colloidal assembly in droplets: structures and optical properties. <i>Nanoscale</i> , 2020, 12, 18576-18594.	2.8	29
119	Tomographic measurement of dielectric tensors at optical frequency. <i>Nature Materials</i> , 2022, 21, 317-324.	13.3	29
120	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
121	Colloidal Assembly in Leidenfrost Drops for Noniridescent Structural Color Pigments. <i>Langmuir</i> , 2014, 30, 8350-8356.	1.6	28
122	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
123	Polymeric Inverse Glasses for Development of Noniridescent Structural Colors in Full Visible Range. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 12473-12480.	4.0	28
124	Depletion-Mediated Interfacial Assembly of Semiconductor Nanorods. <i>Nano Letters</i> , 2019, 19, 963-970.	4.5	28
125	Optofluidics technology based on colloids and their assemblies. <i>Microfluidics and Nanofluidics</i> , 2008, 4, 129-144.	1.0	27
126	Osmocapsules for Direct Measurement of Osmotic Strength. <i>Small</i> , 2014, 10, 1155-1162.	5.2	27



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127	Microfluidic Production of Capsulesâ€”Capsules for Programed Release of Multiple Ingredients. <i>Advanced Materials Technologies</i> , 2018, 3, 1800006.	3.0	27
128	Structural Coloration with Noncloseâ€”Packed Array of Bidisperse Colloidal Particles. <i>Small</i> , 2019, 15, e1804548.	5.2	26
129	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
130	Large-Area Accurate Position Registry of Microparticles on Flexible, Stretchable Substrates Using Elastomer Templates. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 28149-28158.	4.0	25
131	Uniform Microgels Containing Agglomerates of Silver Nanocubes for Molecular Sizeâ€”Selectivity and High SERS Activity. <i>Small</i> , 2017, 13, 1604048.	5.2	25
132	Doubleâ€”Emulsionâ€”Templated Anisotropic Microcapsules for pHâ€”Triggered Release. <i>Advanced Materials Interfaces</i> , 2018, 5, 1701472.	1.9	25
133	Multicompartment Photonic Microcylinders toward Structural Color Inks. <i>Chemistry of Materials</i> , 2018, 30, 3789-3797.	3.2	25
134	Smart Microcapsules with Molecular Polarityâ€”and Temperatureâ€”Dependent Permeability. <i>Small</i> , 2019, 15, e1900434.	5.2	24
135	Composite Microgels Created by Complexation between Polyvinyl Alcohol and Graphene Oxide in Compressed Doubleâ€”Emulsion Drops. <i>Small</i> , 2020, 16, e1903812.	5.2	24
136	Elastic Photonic Microcapsules Containing Colloidal Crystallites as Building Blocks for Macroscopic Photonic Surfaces. <i>ACS Nano</i> , 2021, 15, 12438-12448.	7.3	24
137	Creation of Faceted Polyhedral Microgels from Compressed Emulsions. <i>Small</i> , 2017, 13, 1701256.	5.2	23
138	Controlled Encapsulation of Cholesteric Liquid Crystals Using Emulsion Templates. <i>Macromolecular Research</i> , 2018, 26, 1054-1065.	1.0	23
139	Microfluidic Fabrication of Capsule Sensor Platform with Doubleâ€”Shell Structure. <i>Advanced Functional Materials</i> , 2019, 29, 1902670.	7.8	23
140	Controlled Assembly of Icosahedral Colloidal Clusters for Structural Coloration. <i>Chemistry of Materials</i> , 2020, 32, 9704-9712.	3.2	23
141	Photothermal Fabrics for Efficient Oil-Spill Remediation via Solar-Driven Evaporation Combined with Adsorption. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 13106-13113.	4.0	23
142	Fabrication of Robust Optical Fibers by Controlling Film Drainage of Colloids in Capillaries. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 3601-3605.	7.2	22
143	Microfluidic Design of Magnetoresponse Photonic Microcylinders with Multicompartment. <i>Small</i> , 2015, 11, 4938-4945.	5.2	22
144	3D multilayered plasmonic nanostructures with high areal density for SERS. <i>RSC Advances</i> , 2017, 7, 17898-17905.	1.7	22

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145	Ultrathin Double-Shell Capsules for High Performance Photon Upconversion. <i>Advanced Materials</i> , 2017, 29, 1606830.	11.1	22
146	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
147	Janus Microcarriers for Magnetic Field-Controlled Combination Chemotherapy of Hepatocellular Carcinoma. <i>Advanced Functional Materials</i> , 2019, 29, 1901384.	7.8	22
148	Plasmonic Janus Microspheres Created from Pickering Emulsion Drops. <i>Advanced Materials</i> , 2020, 32, e2001384.	11.1	22
149	Microcapsules with Tailored Nanostructures by Microphase Separation of Block Copolymers. <i>Chemistry of Materials</i> , 2010, 22, 5593-5600.	3.2	21
150	Co-Assembly of Colloids and Eumelanin Nanoparticles in Droplets for Structural Pigments with High Saturation. <i>Small</i> , 2022, 18, e2106048.	5.2	20
151	Photonic Microbeads Templated by Oil-in-Oil Emulsion Droplets for High Saturation of Structural Colors. <i>Small</i> , 2022, 18, e2105225.	5.2	20
152	Bicolored Janus Microparticles Created by Phase Separation in Emulsion Drops. <i>Macromolecular Chemistry and Physics</i> , 2017, 218, 1600265.	1.1	18
153	Controlled Insertion of Planar Defect in Inverse Opals for Anticounterfeiting Applications. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 43098-43104.	4.0	18
154	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
155	Thermochromic Microcapsules Containing Chiral Mesogens Enclosed by Hydrogel Shell for Colorimetric Temperature Reporters. <i>Advanced Functional Materials</i> , 2022, 32, 2107275.	7.8	17
156	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
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