

Shin-Hyun Kim

List of Publications by Year in descending order

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222
papers

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citations

18482

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31849

101
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245
all docs

245
docs citations

245
times ranked

11181
citing authors

#	ARTICLE	IF	CITATIONS
1	Self-assembled colloidal structures for photonics. NPG Asia Materials, 2011, 3, 25-33.	7.9	344
2	Colloidal Photonic Crystals toward Structural Color Palettes for Security Materials. Chemistry of Materials, 2013, 25, 2684-2690.	6.7	315
3	Synthesis and assembly of structured colloidal particles. Journal of Materials Chemistry, 2008, 18, 2177.	6.7	277
4	Chameleon-Inspired Mechanochromic Photonic Films Composed of Non-Close-Packed Colloidal Arrays. ACS Nano, 2017, 11, 11350-11357.	14.6	274
5	Characterizing and tracking single colloidal particles with video holographic microscopy. Optics Express, 2007, 15, 18275.	3.4	272
6	Multicompartment Polymersomes from Double Emulsions. Angewandte Chemie - International Edition, 2011, 50, 1648-1651.	13.8	245
7	25th Anniversary Article: Double Emulsion Templated Solid Microcapsules: Mechanics And Controlled Release. Advanced Materials, 2014, 26, 2205-2218.	21.0	226
8	Double-emulsion drops with ultra-thin shells for capsule templates. Lab on A Chip, 2011, 11, 3162-3166.	6.0	225
9	Multiple Polymersomes for Programmed Release of Multiple Components. Journal of the American Chemical Society, 2011, 133, 15165-15171.	13.7	219
10	Self-Organization of Bidisperse Colloids in Water Droplets. Journal of the American Chemical Society, 2005, 127, 15968-15975.	13.7	209
11	Full-Spectrum Photonic Pigments with Non-Iridescent Structural Colors through Colloidal Assembly. Angewandte Chemie - International Edition, 2014, 53, 2899-2903.	13.8	206
12	Droplet Microfluidics for Producing Functional Microparticles. Langmuir, 2014, 30, 1473-1488.	3.5	199
13	Controlled Origami Folding of Hydrogel Bilayers with Sustained Reversibility for Robust Microcarriers. Angewandte Chemie - International Edition, 2012, 51, 1420-1423.	13.8	194
14	Microfluidic production of multiple emulsions and functional microcapsules. Lab on A Chip, 2016, 16, 3415-3440.	6.0	187
15	Microwave-Assisted Self-Organization of Colloidal Particles in Confining Aqueous Droplets. Journal of the American Chemical Society, 2006, 128, 10897-10904.	13.7	177
16	Protein Expression, Aggregation, and Triggered Release from Polymersomes as Artificial Cell-Like Structures. Angewandte Chemie - International Edition, 2012, 51, 6416-6420.	13.8	162
17	Amphiphilic Crescent-Moon-Shaped Microparticles Formed by Selective Adsorption of Colloids. Journal of the American Chemical Society, 2011, 133, 5516-5524.	13.7	159
18	Photo- and Thermoresponsive Polymersomes for Triggered Release. Angewandte Chemie - International Edition, 2012, 51, 12499-12503.	13.8	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.	21.0	154
20	Single step emulsification for the generation of multi-component double emulsions. <i>Soft Matter</i> , 2012, 8, 10719.	2.7	152
21	Osmotic-pressure-controlled concentration of colloidal particles in thin-shelled capsules. <i>Nature Communications</i> , 2014, 5, 3068.	12.8	152
22	Janus Microspheres for a Highly Flexible and Impregnable Water-Repelling Interface. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 2535-2538.	13.8	151
23	Dissolution Arrest and Stability of Particle-Covered Bubbles. <i>Physical Review Letters</i> , 2007, 99, 188301.	7.8	150
24	Ultrathin Shell Double Emulsion Templated Giant Unilamellar Lipid Vesicles with Controlled Microdomain Formation. <i>Small</i> , 2014, 10, 950-956.	10.0	150
25	Optofluidic Encapsulation of Crystalline Colloidal Arrays into Spherical Membrane. <i>Journal of the American Chemical Society</i> , 2008, 130, 6040-6046.	13.7	149
26	Polymer Microcapsules with Programmable Active Release. <i>Journal of the American Chemical Society</i> , 2013, 135, 7744-7750.	13.7	149
27	Dynamic Modulation of Photonic Bandgaps in Crystalline Colloidal Arrays Under Electric Field. <i>Advanced Materials</i> , 2010, 22, 4494-4498.	21.0	144
28	Controlled Pixelation of Inverse Opaline Structures Towards Reflection-Mode Displays. <i>Advanced Materials</i> , 2014, 26, 2391-2397.	21.0	141
29	Delayed Buckling and Guided Folding of Inhomogeneous Capsules. <i>Physical Review Letters</i> , 2012, 109, 134302.	7.8	130
30	One-Step Emulsification of Multiple Concentric Shells with Capillary Microfluidic Devices. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 8731-8734.	13.8	118
31	Flexible and Robust Superomniphobic Surfaces Created by Localized Photofluidization of Azopolymer Pillars. <i>ACS Nano</i> , 2017, 11, 7821-7828.	14.6	115
32	Robust Microfluidic Encapsulation of Cholesteric Liquid Crystals Toward Photonic Ink Capsules. <i>Advanced Materials</i> , 2015, 27, 627-633.	21.0	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.	6.7	103
34	Colloidal Clusters of Microspheres from Water-in-Oil Emulsions. <i>Chemistry of Materials</i> , 2005, 17, 5006-5013.	6.7	102
35	Microfluidic Multicolor Encoding of Microspheres with Nanoscopic Surface Complexity for Multiplex Immunoassays. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 1171-1174.	13.8	100
36	Optofluidic Synthesis of Electroresponsive Photonic Janus Balls with Isotropic Structural Colors. <i>Advanced Materials</i> , 2008, 20, 4129-4134.	21.0	99

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37	Nanostructured plasmonic substrates for use as SERS sensors. Nano Convergence, 2016, 3, 18.	12.1	99
38	Designing Structural-Color Patterns Composed of Colloidal Arrays. ACS Applied Materials & Interfaces, 2019, 11, 14485-14509.	8.0	98
39	Structural Color Palettes of Core-Shell Photonic Ink Capsules Containing Cholesteric Liquid Crystals. Advanced Materials, 2017, 29, 1606894.	21.0	95
40	Lithographically Encrypted Inverse Opals for Anti-Counterfeiting Applications. Small, 2016, 12, 3819-3826.	10.0	93
41	Magnetoresponse Microparticles with Nanoscopic Surface Structures for Remote-Controlled Locomotion. Angewandte Chemie - International Edition, 2010, 49, 3786-3790.	13.8	88
42	Integration of Colloidal Photonic Crystals toward Miniaturized Spectrometers. Advanced Materials, 2010, 22, 946-950.	21.0	86
43	Inertial-ordering-assisted droplet microfluidics for high-throughput single-cell RNA-sequencing. Lab on A Chip, 2018, 18, 775-784.	6.0	85
44	Low-Threshold Lasing in 3D Dye-Doped Photonic Crystals Derived from Colloidal Self-Assemblies. Chemistry of Materials, 2009, 21, 4993-4999.	6.7	82
45	Photonic Capsule Sensors with Built-In Colloidal Crystallites. Advanced Materials, 2018, 30, e1803387.	21.0	82
46	Single-Step Fabrication of Monodisperse TiO_2 Hollow Spheres with Embedded Nanoparticles in Microfluidic Devices. Chemistry of Materials, 2009, 21, 201-203.	6.7	79
47	Wavelength-tunable and shape-reconfigurable photonic capsule resonators containing cholesteric liquid crystals. Science Advances, 2018, 4, eaat8276.	10.3	77
48	Microfluidic fabrication of SERS-active microspheres for molecular detection. Lab on A Chip, 2011, 11, 87-92.	6.0	76
49	Microfluidic Production of Uniform Microcarriers with Multicompartment through Phase Separation in Emulsion Drops. Chemistry of Materials, 2016, 28, 1430-1438.	6.7	74
50	Reconfigurable Photonic Capsules Containing Cholesteric Liquid Crystals with Planar Alignment. Angewandte Chemie - International Edition, 2015, 54, 15266-15270.	13.8	73
51	Monodisperse Emulsion Drop Microenvironments for Bacterial Biofilm Growth. Small, 2015, 11, 3954-3961.	10.0	71
52	Combination of a Sample Pretreatment Microfluidic Device with a Photoluminescent Graphene Oxide Quantum Dot Sensor for Trace Lead Detection. Analytical Chemistry, 2015, 87, 10969-10975.	6.5	70
53	Designing Multicolored Photonic Micropatterns through the Regioselective Thermal Compression of Inverse Opals. Advanced Functional Materials, 2016, 26, 4587-4594.	14.9	69
54	Patterned Colloidal Photonic Domes and Balls Derived from Viscous Photocurable Suspensions. Advanced Materials, 2008, 20, 3211-3217.	21.0	68

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55	Polymersomes Containing a Hydrogel Network for High Stability and Controlled Release. <i>Small</i> , 2013, 9, 124-131.	10.0	68
56	Liquidâ€Impermeable Inverse Opals with Invariant Photonic Bandgap. <i>Advanced Materials</i> , 2015, 27, 1282-1287.	21.0	68
57	Particles with Coordinated Patches or Windows from Oil-in-Water Emulsions. <i>Chemistry of Materials</i> , 2007, 19, 3183-3193.	6.7	67
58	Elaborate Design Strategies Toward Novel Microcarriers for Controlled Encapsulation and Release. <i>Particle and Particle Systems Characterization</i> , 2013, 30, 9-45.	2.3	67
59	Enhanced-throughput production of polymersomes using a parallelized capillary microfluidic device. <i>Microfluidics and Nanofluidics</i> , 2013, 14, 509-514.	2.2	66
60	Freestanding and Arrayed Nanoporous Microcylinders for Highly Active 3D SERS Substrate. <i>Chemistry of Materials</i> , 2013, 25, 2421-2426.	6.7	64
61	Macroporous Hydrogels for Fast and Reversible Switching between Transparent and Structurally Colored States. <i>Advanced Functional Materials</i> , 2020, 30, 2001318.	14.9	62
62	Packing of Emulsion Droplets: Structural and Functional Motifs for Multiâ€Cored Microcapsules. <i>Advanced Functional Materials</i> , 2011, 21, 1608-1615.	14.9	61
63	Anisotropic Microparticles Created by Phase Separation of Polymer Blends Confined in Monodisperse Emulsion Drops. <i>Langmuir</i> , 2015, 31, 937-943.	3.5	61
64	Osmotic-Pressure-Mediated Control of Structural Colors of Photonic Capsules. <i>Chemistry of Materials</i> , 2015, 27, 1014-1020.	6.7	59
65	Microfluidic Production of Biodegradable Microcapsules for Sustained Release of Hydrophilic Actives. <i>Small</i> , 2017, 13, 1700646.	10.0	57
66	Active Patchy Colloids with Shape-Tunable Dynamics. <i>Journal of the American Chemical Society</i> , 2019, 141, 14853-14863.	13.7	57
67	Direct writing of customized structural-color graphics with colloidal photonic inks. <i>Science Advances</i> , 2021, 7, eabj8780.	10.3	57
68	Photocurable Pickering Emulsion for Colloidal Particles with Structural Complexity. <i>Langmuir</i> , 2008, 24, 2365-2371.	3.5	56
69	Magnetoresponse Discoidal Photonic Crystals Toward Active Color Pigments. <i>Advanced Materials</i> , 2014, 26, 5801-5807.	21.0	56
70	Microfluidic Production of Semipermeable Microcapsules by Polymerization-Induced Phase Separation. <i>Langmuir</i> , 2015, 31, 6027-6034.	3.5	56
71	Lithographic Design of Overhanging Microdisk Arrays Toward Omniphobic Surfaces. <i>Advanced Materials</i> , 2016, 28, 291-298.	21.0	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.	13.7	55

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73	Microspheres with Tunable Refractive Index by Controlled Assembly of Nanoparticles. <i>Advanced Materials</i> , 2008, 20, 3268-3273.	21.0	54
74	Selective Coloration of Melanin Nanospheres through Resonant Mie Scattering. <i>Advanced Materials</i> , 2017, 29, 1700256.	21.0	54
75	Photonic Microcapsules Containing Single-Crystal Colloidal Arrays with Optical Anisotropy. <i>Advanced Materials</i> , 2019, 31, e1900693.	21.0	54
76	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.	8.0	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.	14.9	49
78	Hydrocipher: Bioinspired Dynamic Structural Color-Based Cryptographic Surface. <i>Advanced Optical Materials</i> , 2020, 8, 1901259.	7.3	49
79	Hydroxide ion-mediated synthesis of monodisperse dopamine-melanin nanospheres. <i>Journal of Colloid and Interface Science</i> , 2015, 458, 87-93.	9.4	48
80	An Antibody-Immobilized Silica Inverse Opal Nanostructure for Label-Free Optical Biosensors. <i>Sensors</i> , 2018, 18, 307.	3.8	48
81	Photonic Janus Balls with Controlled Magnetic Moment and Density Asymmetry. <i>ACS Nano</i> , 2020, 14, 15714-15722.	14.6	48
82	Formation of polymersomes with double bilayers templated by quadruple emulsions. <i>Lab on A Chip</i> , 2013, 13, 1351.	6.0	47
83	Magneto-responsive Photonic Microspheres with Structural Color Gradient. <i>Advanced Materials</i> , 2017, 29, 1605450.	21.0	47
84	Amplified Photon Upconversion by Photonic Shell of Cholesteric Liquid Crystals. <i>Journal of the American Chemical Society</i> , 2017, 139, 5708-5711.	13.7	47
85	Surface Functionalized Hydrophobic Porous Particles Toward Water Treatment Application. <i>Advanced Materials</i> , 2013, 25, 3215-3221.	21.0	45
86	Fabrication of Spherical Colloidal Crystals Using Electrospray. <i>Langmuir</i> , 2005, 21, 10416-10421.	3.5	44
87	Controlling Orientation and Order in Block Copolymer Thin Films. <i>Advanced Materials</i> , 2008, 20, 4851-4856.	21.0	44
88	Photothermal Control of Membrane Permeability of Microcapsules for On-Demand Release. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 826-832.	8.0	43
89	Microfluidic fabrication of photo-responsive hydrogel capsules. <i>Chemical Communications</i> , 2013, 49, 1865.	4.1	42
90	Nonspherical Double Emulsions with Multiple Distinct Cores Enveloped by Ultrathin Shells. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 1294-1300.	8.0	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.	10.0	40
92	Photonic Multishells Composed of Cholesteric Liquid Crystals Designed by Controlled Phase Separation in Emulsion Drops. <i>Advanced Materials</i> , 2020, 32, e2002166.	21.0	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.	9.4	38
94	Colorimetric Recording of Thermal Conditions on Polymeric Inverse Opals. <i>Advanced Materials</i> , 2019, 31, e1901398.	21.0	38
95	Elastic Photonic Microbeads as Building Blocks for Mechanochromic Materials. <i>ACS Applied Polymer Materials</i> , 2020, 2, 706-714.	4.4	38
96	Patterned Polymeric Domes with 3D and 2D Embedded Colloidal Crystals using Photocurable Emulsion Droplets. <i>Advanced Materials</i> , 2009, 21, 3771-3775.	21.0	37
97	Monodisperse Gas-Filled Microparticles from Reactions in Double Emulsions. <i>Langmuir</i> , 2012, 28, 6742-6745.	3.5	37
98	Microfluidic Fabrication of Stable Gas-Filled Microcapsules for Acoustic Contrast Enhancement. <i>Langmuir</i> , 2013, 29, 12352-12357.	3.5	37
99	Robust photonic microparticles comprising cholesteric liquid crystals for anti-forgery materials. <i>Journal of Materials Chemistry C</i> , 2017, 5, 7567-7573.	5.5	37
100	Thermo-Responsive Microcapsules with Tunable Molecular Permeability for Controlled Encapsulation and Release. <i>Advanced Functional Materials</i> , 2021, 31, 2100782.	14.9	37
101	Perforated Microcapsules with Selective Permeability Created by Confined Phase Separation of Polymer Blends. <i>Chemistry of Materials</i> , 2014, 26, 7166-7171.	6.7	36
102	Optofluidic integration of a photonic crystal nanolaser. <i>Optics Express</i> , 2008, 16, 6515.	3.4	35
103	Polymeric Particles with Structural Complexity from Stable Immobilized Emulsions. <i>Chemistry of Materials</i> , 2007, 19, 4751-4760.	6.7	34
104	Robust Chirped Photonic Crystals Created by Controlled Colloidal Diffusion. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 11649-11653.	13.8	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.	6.7	34
106	Designing Multicolor Micropatterns of Inverse Opals with Photonic Bandgap and Surface Plasmon Resonance. <i>Advanced Functional Materials</i> , 2018, 28, 1706664.	14.9	34
107	Microfluidic fabrication of microparticles with structural complexity using photocurable emulsion droplets. <i>New Journal of Physics</i> , 2009, 11, 075014.	2.9	32
108	Biofunctional colloids and their assemblies. <i>Soft Matter</i> , 2010, 6, 1092.	2.7	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.	9.1	32
110	Microfluidic Designing Microgels Containing Highly Concentrated Gold Nanoparticles for SERS Analysis of Complex Fluids. <i>Small</i> , 2019, 15, e1905076.	10.0	32
111	Microfluidic generation of PEG-b-PLA polymersomes containing alginate-based core hydrogel. <i>Biomicrofluidics</i> , 2015, 9, 024101.	2.4	31
112	Dynamic designing of microstructures by chemical gradient-mediated growth. <i>Nature Communications</i> , 2015, 6, 6584.	12.8	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.	3.0	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.	4.7	30
115	Droplet-Guiding Superhydrophobic Arrays of Plasmonic Microposts for Molecular Concentration and Detection. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 37201-37209.	8.0	30
116	Semipermeable Microcapsules with a Block-Polymer-Templated Nanoporous Membrane. <i>Chemistry of Materials</i> , 2018, 30, 273-279.	6.7	30
117	Single-step assembly of asymmetric vesicles. <i>Lab on A Chip</i> , 2019, 19, 749-756.	6.0	30
118	Colloidal assembly in droplets: structures and optical properties. <i>Nanoscale</i> , 2020, 12, 18576-18594.	5.6	29
119	Tomographic measurement of dielectric tensors at optical frequency. <i>Nature Materials</i> , 2022, 21, 317-324.	27.5	29
120	Controlled formation of double-emulsion drops in sudden expansion channels. <i>Journal of Colloid and Interface Science</i> , 2014, 415, 26-31.	9.4	28
121	Colloidal Assembly in Leidenfrost Drops for Noniridescent Structural Color Pigments. <i>Langmuir</i> , 2014, 30, 8350-8356.	3.5	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.	5.8	28
123	Polymeric Inverse Glasses for Development of Noniridescent Structural Colors in Full Visible Range. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 12473-12480.	8.0	28
124	Depletion-Mediated Interfacial Assembly of Semiconductor Nanorods. <i>Nano Letters</i> , 2019, 19, 963-970.	9.1	28
125	Optofluidics technology based on colloids and their assemblies. <i>Microfluidics and Nanofluidics</i> , 2008, 4, 129-144.	2.2	27
126	Osmocapsules for Direct Measurement of Osmotic Strength. <i>Small</i> , 2014, 10, 1155-1162.	10.0	27

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127	Microfluidic Production of Capsulesâ€”Capsules for Programed Release of Multiple Ingredients. Advanced Materials Technologies, 2018, 3, 1800006.	5.8	27
128	Structural Coloration with Noncloseâ€”Packed Array of Bidisperse Colloidal Particles. Small, 2019, 15, e1804548.	10.0	26
129	Recent advances in the microfluidic production of functional microcapsules by multiple-emulsion templating. Lab on A Chip, 2022, 22, 2259-2291.	6.0	26
130	Large-Area Accurate Position Registry of Microparticles on Flexible, Stretchable Substrates Using Elastomer Templates. ACS Applied Materials & Interfaces, 2016, 8, 28149-28158.	8.0	25
131	Uniform Microgels Containing Agglomerates of Silver Nanocubes for Molecular Sizeâ€”Selectivity and High SERS Activity. Small, 2017, 13, 1604048.	10.0	25
132	Doubleâ€”Emulsionâ€”Templated Anisotropic Microcapsules for pHâ€”Triggered Release. Advanced Materials Interfaces, 2018, 5, 1701472.	3.7	25
133	Multicompartment Photonic Microcylinders toward Structural Color Inks. Chemistry of Materials, 2018, 30, 3789-3797.	6.7	25
134	Smart Microcapsules with Molecular Polarityâ€”and Temperatureâ€”Dependent Permeability. Small, 2019, 15, e1900434.	10.0	24
135	Composite Microgels Created by Complexation between Polyvinyl Alcohol and Graphene Oxide in Compressed Doubleâ€”Emulsion Drops. Small, 2020, 16, e1903812.	10.0	24
136	Elastic Photonic Microcapsules Containing Colloidal Crystallites as Building Blocks for Macroscopic Photonic Surfaces. ACS Nano, 2021, 15, 12438-12448.	14.6	24
137	Creation of Faceted Polyhedral Microgels from Compressed Emulsions. Small, 2017, 13, 1701256.	10.0	23
138	Controlled Encapsulation of Cholesteric Liquid Crystals Using Emulsion Templates. Macromolecular Research, 2018, 26, 1054-1065.	2.4	23
139	Microfluidic Fabrication of Capsule Sensor Platform with Doubleâ€”Shell Structure. Advanced Functional Materials, 2019, 29, 1902670.	14.9	23
140	Controlled Assembly of Icosahedral Colloidal Clusters for Structural Coloration. Chemistry of Materials, 2020, 32, 9704-9712.	6.7	23
141	Photothermal Fabrics for Efficient Oil-Spill Remediation via Solar-Driven Evaporation Combined with Adsorption. ACS Applied Materials & Interfaces, 2021, 13, 13106-13113.	8.0	23
142	Fabrication of Robust Optical Fibers by Controlling Film Drainage of Colloids in Capillaries. Angewandte Chemie - International Edition, 2012, 51, 3601-3605.	13.8	22
143	Microfluidic Design of Magnetoresponse Photonic Microcylinders with Multicompartment. Small, 2015, 11, 4938-4945.	10.0	22
144	3D multilayered plasmonic nanostructures with high areal density for SERS. RSC Advances, 2017, 7, 17898-17905.	3.6	22

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145	Ultrathin Double-Shell Capsules for High Performance Photon Upconversion. <i>Advanced Materials</i> , 2017, 29, 1606830.	21.0	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.	5.5	22
147	Janus Microcarriers for Magnetic Field-Controlled Combination Chemotherapy of Hepatocellular Carcinoma. <i>Advanced Functional Materials</i> , 2019, 29, 1901384.	14.9	22
148	Plasmonic Janus Microspheres Created from Pickering Emulsion Drops. <i>Advanced Materials</i> , 2020, 32, e2001384.	21.0	22
149	Microcapsules with Tailored Nanostructures by Microphase Separation of Block Copolymers. <i>Chemistry of Materials</i> , 2010, 22, 5593-5600.	6.7	21
150	Co-Assembly of Colloids and Eumelanin Nanoparticles in Droplets for Structural Pigments with High Saturation. <i>Small</i> , 2022, 18, e2106048.	10.0	20
151	Photonic Microbeads Templated by Oil-in-Oil Emulsion Droplets for High Saturation of Structural Colors. <i>Small</i> , 2022, 18, e2105225.	10.0	20
152	Bicolored Janus Microparticles Created by Phase Separation in Emulsion Drops. <i>Macromolecular Chemistry and Physics</i> , 2017, 218, 1600265.	2.2	18
153	Controlled Insertion of Planar Defect in Inverse Opals for Anticounterfeiting Applications. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 43098-43104.	8.0	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.	7.8	18
155	Thermochromic Microcapsules Containing Chiral Mesogens Enclosed by Hydrogel Shell for Colorimetric Temperature Reporters. <i>Advanced Functional Materials</i> , 2022, 32, 2107275.	14.9	17
156	Stacked-Disk Nanotower Arrays for Use as Omniphobic Surface-Enhanced Raman Scattering Substrates. <i>Advanced Optical Materials</i> , 2016, 4, 1893-1900.	7.3	16
157	Interfacial Assembly of Amphiphilic Tiles for Reconfigurable Photonic Surfaces. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 45237-45245.	8.0	16
158	Improving mechanical and physical properties of ultra-thick carbon nanotube fiber by fast swelling and stretching process. <i>Carbon</i> , 2021, 172, 733-741.	10.3	16
159	Arrays of Ferromagnetic Nanorings with Variable Thickness Fabricated by Capillary Force Lithography. <i>Langmuir</i> , 2009, 25, 12535-12540.	3.5	15
160	Lithographically-featured photonic microparticles of colloidal assemblies. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 11861.	2.8	15
161	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.	5.8	15
162	Dual-Colored Janus Microspheres with Photonic and Plasmonic Faces. <i>Small</i> , 2022, 18, e2201437.	10.0	15

#	ARTICLE	IF	CITATIONS
163	Microfluidic Molding of Photonic Microparticles with Engraved Elastomeric Membranes. <i>Small</i> , 2014, 10, 3979-3985.	10.0	14
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