

Frank Caruso

List of Publications by Year in descending order

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618
papers

69,286
citations

397

133
h-index

1216

227
g-index

677
all docs

677
docs citations

677
times ranked

44263
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanoengineering of Inorganic and Hybrid Hollow Spheres by Colloidal Templating. , 1998, 282, 1111-1114.		3,921
2	Nanoengineering of Particle Surfaces. Advanced Materials, 2001, 13, 11-22.	11.1	2,440
3	Novel Hollow Polymer Shells by Colloid-Templated Assembly of Polyelectrolytes. Angewandte Chemie - International Edition, 1998, 37, 2201-2205.	7.2	1,735
4	One-Step Assembly of Coordination Complexes for Versatile Film and Particle Engineering. Science, 2013, 341, 154-157.	6.0	1,683
5	Technology-driven layer-by-layer assembly of nanofilms. Science, 2015, 348, aaa2491.	6.0	1,272
6	Hollow Capsule Processing through Colloidal Templating and Self-Assembly. Chemistry - A European Journal, 2000, 6, 413-419.	1.7	880
7	Engineering Multifunctional Capsules through the Assembly of Metal-Phenolic Networks. Angewandte Chemie - International Edition, 2014, 53, 5546-5551.	7.2	781
8	Template Synthesis of Nanostructured Materials via Layer-by-Layer Assembly. Chemistry of Materials, 2008, 20, 848-858.	3.2	733
9	Innovation in Layer-by-Layer Assembly. Chemical Reviews, 2016, 116, 14828-14867.	23.0	678
10	Stepwise polyelectrolyte assembly on particle surfaces: a novel approach to colloid design. Polymers for Advanced Technologies, 1998, 9, 759-767.	1.6	615
11	Magnetic Nanocomposite Particles and Hollow Spheres Constructed by a Sequential Layering Approach. Chemistry of Materials, 2001, 13, 109-116.	3.2	579
12	Layer-by-layer engineered capsules and their applications. Current Opinion in Colloid and Interface Science, 2006, 11, 203-209.	3.4	553
13	Quantum measurement and orientation tracking of fluorescent nanodiamonds inside living cells. Nature Nanotechnology, 2011, 6, 358-363.	15.6	552
14	Multilayered Titania, Silica, and Laponite Nanoparticle Coatings on Polystyrene Colloidal Templates and Resulting Inorganic Hollow Spheres. Chemistry of Materials, 2001, 13, 400-409.	3.2	529
15	Enzyme Encapsulation in Layer-by-Layer Engineered Polymer Multilayer Capsules. Langmuir, 2000, 16, 1485-1488.	1.6	516
16	Mesoporous Silica Spheres as Supports for Enzyme Immobilization and Encapsulation. Chemistry of Materials, 2005, 17, 953-961.	3.2	509
17	Electrostatic Self-Assembly of Silica Nanoparticle-Polyelectrolyte Multilayers on Polystyrene Latex Particles. Journal of the American Chemical Society, 1998, 120, 8523-8524.	6.6	488
18	A Decade of the Protein Corona. ACS Nano, 2017, 11, 11773-11776.	7.3	477

#	ARTICLE	IF	CITATIONS
19	Spontaneous Phase Transfer of Nanoparticulate Metals from Organic to Aqueous Media. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 3001-3004.	7.2	455
20	Minimum information reporting in bio-nano experimental literature. <i>Nature Nanotechnology</i> , 2018, 13, 777-785.	15.6	455
21	Self-Polymerization of Dopamine as a Versatile and Robust Technique to Prepare Polymer Capsules. <i>Chemistry of Materials</i> , 2009, 21, 3042-3044.	3.2	454
22	Next generation, sequentially assembled ultrathin films: beyond electrostatics. <i>Chemical Society Reviews</i> , 2007, 36, 707.	18.7	425
23	Quartz Crystal Microbalance Study of DNA Immobilization and Hybridization for Nucleic Acid Sensor Development. <i>Analytical Chemistry</i> , 1997, 69, 2043-2049.	3.2	418
24	Overcoming the Blood-Brain Barrier: The Role of Nanomaterials in Treating Neurological Diseases. <i>Advanced Materials</i> , 2018, 30, e1801362.	11.1	415
25	Protein Multilayer Formation on Colloids through a Stepwise Self-Assembly Technique. <i>Journal of the American Chemical Society</i> , 1999, 121, 6039-6046.	6.6	411
26	Metal-phenolic networks as a versatile platform to engineer nanomaterials and biointerfaces. <i>Nano Today</i> , 2017, 12, 136-148.	6.2	411
27	Nanostructured Electrochemical Sensor Based on Dense Gold Nanoparticle Films. <i>Nano Letters</i> , 2003, 3, 1203-1207.	4.5	398
28	Plasmon emission in photoexcited gold nanoparticles. <i>Physical Review B</i> , 2004, 70, .	1.1	394
29	Optically Addressable Nanostructured Capsules. <i>Advanced Materials</i> , 2004, 16, 2184-2189.	11.1	391
30	Hollow Titania Spheres from Layered Precursor Deposition on Sacrificial Colloidal Core Particles. <i>Advanced Materials</i> , 2001, 13, 740-744.	11.1	385
31	Light-Responsive Polyelectrolyte/Gold Nanoparticle Microcapsules. <i>Journal of Physical Chemistry B</i> , 2005, 109, 3071-3076.	1.2	385
32	2. Assembly of Alternating Polyelectrolyte and Protein Multilayer Films for Immunosensing. <i>Langmuir</i> , 1997, 13, 3427-3433.	1.6	382
33	Investigation of Electrostatic Interactions in Polyelectrolyte Multilayer Films: Binding of Anionic Fluorescent Probes to Layers Assembled onto Colloids. <i>Macromolecules</i> , 1999, 32, 2317-2328.	2.2	379
34	Multilayer Assemblies of Silica-Encapsulated Gold Nanoparticles on Decomposable Colloid Templates. <i>Advanced Materials</i> , 2001, 13, 1090-1094.	11.1	366
35	Assembly of Ultrathin Polymer Multilayer Films by Click Chemistry. <i>Journal of the American Chemical Society</i> , 2006, 128, 9318-9319.	6.6	356
36	Enzyme Multilayers on Colloid Particles: Assembly, Stability, and Enzymatic Activity. <i>Langmuir</i> , 2000, 16, 9595-9603.	1.6	351

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37	Modular assembly of superstructures from polyphenol-functionalized building blocks. <i>Nature Nanotechnology</i> , 2016, 11, 1105-1111.	15.6	337
38	Magnetic Core-Shell Particles: Preparation of Magnetite Multilayers on Polymer Latex Microspheres. <i>Advanced Materials</i> , 1999, 11, 950-953.	11.1	328
39	Engineered hydrogen-bonded polymer multilayers: from assembly to biomedical applications. <i>Chemical Society Reviews</i> , 2011, 40, 19-29.	18.7	327
40	Biofunctionalization of Fluorescent Rare-Earth-Doped Lanthanum Phosphate Colloidal Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 5954-5957.	7.2	320
41	Disulfide Cross-Linked Polymer Capsules: En Route to Biodeconstructible Systems. <i>Biomacromolecules</i> , 2006, 7, 27-30.	2.6	316
42	Semiconductor Quantum Dot-Labeled Microsphere Bioconjugates Prepared by Stepwise Self-Assembly. <i>Nano Letters</i> , 2002, 2, 857-861.	4.5	310
43	Bridging Bio Nano Science and Cancer Nanomedicine. <i>ACS Nano</i> , 2017, 11, 9594-9613.	7.3	304
44	Coordination-Driven Multistep Assembly of Metal Polyphenol Films and Capsules. <i>Chemistry of Materials</i> , 2014, 26, 1645-1653.	3.2	303
45	Void Engineering in Metal Organic Frameworks via Synergistic Etching and Surface Functionalization. <i>Advanced Functional Materials</i> , 2016, 26, 5827-5834.	7.8	302
46	Phenolic Building Blocks for the Assembly of Functional Materials. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 1904-1927.	7.2	302
47	Hierarchical Assembly of Zeolite Nanoparticles into Ordered Macroporous Monoliths Using Core Shell Building Blocks. <i>Chemistry of Materials</i> , 2000, 12, 2832-2834.	3.2	301
48	Tailoring the Polyelectrolyte Coating of Metal Nanoparticles. <i>Journal of Physical Chemistry B</i> , 2001, 105, 6846-6852.	1.2	300
49	Characterization of Polyelectrolyte Protein Multilayer Films by Atomic Force Microscopy, Scanning Electron Microscopy, and Fourier Transform Infrared Reflection Absorption Spectroscopy. <i>Langmuir</i> , 1998, 14, 4559-4565.	1.6	299
50	Immobilization and Intracellular Delivery of an Anticancer Drug Using Mussel-Inspired Polydopamine Capsules. <i>Biomacromolecules</i> , 2012, 13, 2225-2228.	2.6	298
51	Production of Hollow Microspheres from Nanostructured Composite Particles. <i>Chemistry of Materials</i> , 1999, 11, 3309-3314.	3.2	291
52	Coatings super-repellent to ultralow surface tension liquids. <i>Nature Materials</i> , 2018, 17, 1040-1047.	13.3	289
53	Nano- and Microengineering: 3-D Colloidal Photonic Crystals Prepared from Sub-1/4m-sized Polystyrene Latex Spheres Pre-Coated with Luminescent Polyelectrolyte/Nanocrystal Shells. <i>Advanced Materials</i> , 2000, 12, 333-337.	11.1	288
54	Layer by Layer Assembled Capsules and Films for Therapeutic Delivery. <i>Small</i> , 2010, 6, 1836-52.	5.2	280

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55	Monodisperse Polymer Capsules: Tailoring Size, Shell Thickness, and Hydrophobic Cargo Loading via Emulsion Templating. <i>Advanced Functional Materials</i> , 2010, 20, 1625-1631.	7.8	272
56	1. Ultrathin Multilayer Polyelectrolyte Films on Gold: Construction and Thickness Determination. <i>Langmuir</i> , 1997, 13, 3422-3426.	1.6	270
57	Differential Roles of the Protein Corona in the Cellular Uptake of Nanoporous Polymer Particles by Monocyte and Macrophage Cell Lines. <i>ACS Nano</i> , 2013, 7, 10960-10970.	7.3	259
58	Metal-Organic Framework Coatings as Cytoprotective Exoskeletons for Living Cells. <i>Advanced Materials</i> , 2016, 28, 7910-7914.	11.1	254
59	Layer-by-layer assembled charge-trap memory devices with adjustable electronic properties. <i>Nature Nanotechnology</i> , 2007, 2, 790-795.	15.6	251
60	Liquid Crystal Emulsions as the Basis of Biological Sensors for the Optical Detection of Bacteria and Viruses. <i>Advanced Functional Materials</i> , 2009, 19, 2260-2265.	7.8	245
61	Polyphenol-Mediated Assembly for Particle Engineering. <i>Accounts of Chemical Research</i> , 2020, 53, 1269-1278.	7.6	244
62	Nanoporous Thin Films Formed by Salt-Induced Structural Changes in Multilayers of Poly(acrylic) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50 4	1.6	243
63	Templated Synthesis of Single-Component Polymer Capsules and Their Application in Drug Delivery. <i>Nano Letters</i> , 2008, 8, 1741-1745.	4.5	242
64	Investigation of the Influence of Polyelectrolyte Charge Density on the Growth of Multilayer Thin Films Prepared by the Layer-by-Layer Technique. <i>Macromolecules</i> , 2002, 35, 889-897.	2.2	240
65	Gold Nanoparticle-Based Core-Shell and Hollow Spheres and Ordered Assemblies Thereof. <i>Chemistry of Materials</i> , 2003, 15, 3176-3183.	3.2	238
66	Mesoporous Silica Particles as Templates for Preparing Enzyme-Loaded Biocompatible Microcapsules. <i>Advanced Materials</i> , 2005, 17, 1737-1741.	11.1	225
67	Biosensors: recent advances. <i>Reports on Progress in Physics</i> , 1997, 60, 1397-1445.	8.1	224
68	Nanoporous Block Copolymer Micelle/Micelle Multilayer Films with Dual Optical Properties. <i>Journal of the American Chemical Society</i> , 2006, 128, 9935-9942.	6.6	219
69	pH-Responsive Capsules Engineered from Metal-Phenolic Networks for Anticancer Drug Delivery. <i>Small</i> , 2015, 11, 2032-2036.	5.2	216
70	Decomposable Hollow Biopolymer-Based Capsules. <i>Biomacromolecules</i> , 2001, 2, 921-926.	2.6	215
71	Metal-Organic Frameworks for Cell and Virus Biology: A Perspective. <i>ACS Nano</i> , 2018, 12, 13-23.	7.3	214
72	The Future of Layer-by-Layer Assembly: A Tribute to <i>ACS Nano</i> Associate Editor Helmuth MÄrhwald. <i>ACS Nano</i> , 2019, 13, 6151-6169.	7.3	211

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73	Facile Tailoring of Film Morphology and Release Properties Using Layer-by-Layer Assembly of Thermoresponsive Materials. <i>Langmuir</i> , 2004, 20, 20-22.	1.6	209
74	A Microreactor with Thousands of Subcompartments: Enzyme-Loaded Liposomes within Polymer Capsules. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 4359-4362.	7.2	204
75	DNA Multilayer Films on Planar and Colloidal Supports: A Sequential Assembly of Like-Charged Polyelectrolytes. <i>Nano Letters</i> , 2005, 5, 953-956.	4.5	202
76	Degradable Polyelectrolyte Capsules Filled with Oligonucleotide Sequences. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 7743-7745.	7.2	202
77	Preparation and Characterization of Ordered Nanoparticle and Polymer Composite Multilayers on Colloids. <i>Langmuir</i> , 1999, 15, 8276-8281.	1.6	200
78	Electrostatically Assembled Fluorescent Thin Films of Rare-Earth-Doped Lanthanum Phosphate Nanoparticles. <i>Chemistry of Materials</i> , 2002, 14, 4509-4516.	3.2	199
79	Influence of Polyelectrolyte Multilayer Coatings on Förster Resonance Energy Transfer between 6-Carboxyfluorescein and Rhodamine B-Labeled Particles in Aqueous Solution. <i>Journal of Physical Chemistry B</i> , 1998, 102, 2011-2016.	1.2	198
80	A General Approach for DNA Encapsulation in Degradable Polymer Microcapsules. <i>ACS Nano</i> , 2007, 1, 63-69.	7.3	195
81	Nanotubes Prepared by Layer-by-Layer Coating of Porous Membrane Templates. <i>Advanced Materials</i> , 2003, 15, 1849-1853.	11.1	194
82	Biocolloids with Ordered Urease Multilayer Shells as Enzymatic Reactors. <i>Analytical Chemistry</i> , 2001, 73, 4212-4217.	3.2	193
83	Multilayered Polymer Nanocapsules Derived from Gold Nanoparticle Templates. <i>Advanced Materials</i> , 2000, 12, 1947-1949.	11.1	191
84	Ultrathin, Responsive Polymer Click Capsules. <i>Nano Letters</i> , 2007, 7, 1706-1710.	4.5	191
85	Nanoporous Polyelectrolyte Spheres Prepared by Sequentially Coating Sacrificial Mesoporous Silica Spheres. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 2888-2892.	7.2	190
86	Disulfide-Stabilized Poly(methacrylic acid) Capsules: Formation, Cross-Linking, and Degradation Behavior. <i>Chemistry of Materials</i> , 2008, 20, 2655-2661.	3.2	187
87	Enzyme encapsulation in nanoporous silica spheres Electronic supplementary information (ESI) available: experimental details, and details of particle characterization. See http://www.rsc.org/suppdata/cc/b4/b403871a/ . <i>Chemical Communications</i> , 2004, , 1528.	2.2	184
88	The "Sweet" Side of the Protein Corona: Effects of Glycosylation on Nanoparticle-Cell Interactions. <i>ACS Nano</i> , 2015, 9, 2157-2166.	7.3	184
89	Biodegradable Click Capsules with Engineered Drug-Loaded Multilayers. <i>ACS Nano</i> , 2010, 4, 1653-1663.	7.3	181
90	Encapsulation of Water-Insoluble Drugs in Polymer Capsules Prepared Using Mesoporous Silica Templates for Intracellular Drug Delivery. <i>Advanced Materials</i> , 2010, 22, 4293-4297.	11.1	180

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91	Assembly of Layer-by-Layer Particles and Their Interactions with Biological Systems. <i>Chemistry of Materials</i> , 2014, 26, 452-460.	3.2	177
92	Surface-Confined Amorphous Films from Metal-Coordinated Simple Phenolic Ligands. <i>Chemistry of Materials</i> , 2015, 27, 5825-5832.	3.2	177
93	Microencapsulation of Uncharged Low Molecular Weight Organic Materials by Polyelectrolyte Multilayer Self-Assembly. <i>Langmuir</i> , 2000, 16, 8932-8936.	1.6	175
94	Fabrication of Polyaniline Inverse Opals via Templating Ordered Colloidal Assemblies. <i>Advanced Materials</i> , 2001, 13, 350-354.	11.1	175
95	Self-Assembly and Characterization of Polyaniline and Sulfonated Polystyrene Multilayer-Coated Colloidal Particles and Hollow Shells. <i>Langmuir</i> , 2003, 19, 8550-8554.	1.6	175
96	Interfacing Materials Science and Biology for Drug Carrier Design. <i>Advanced Materials</i> , 2015, 27, 2278-2297.	11.1	175
97	Synthesis of Macroporous Titania and Inorganic Composite Materials from Coated Colloidal Spheres: A Novel Route to Tune Pore Morphology. <i>Chemistry of Materials</i> , 2001, 13, 364-371.	3.2	174
98	Stepwise Self-Assembled Poly(amidoamine) Dendrimer and Poly(styrenesulfonate) Microcapsules as Sustained Delivery Vehicles. <i>Biomacromolecules</i> , 2002, 3, 1154-1162.	2.6	174
99	Targeting and Uptake of Multilayered Particles to Colorectal Cancer Cells. <i>Advanced Materials</i> , 2006, 18, 1998-2003.	11.1	174
100	Preparation and Organization of Nanoscale Polyelectrolyte-Coated Gold Nanoparticles. <i>Advanced Functional Materials</i> , 2003, 13, 183-188.	7.8	173
101	Degradable, Surfactant-Free, Monodisperse Polymer-Encapsulated Emulsions as Anticancer Drug Carriers. <i>Advanced Materials</i> , 2009, 21, 1820-1824.	11.1	173
102	Emerging methods for the fabrication of polymer capsules. <i>Advances in Colloid and Interface Science</i> , 2014, 207, 14-31.	7.0	172
103	Polymer hydrogel capsules: en route toward synthetic cellular systems. <i>Nanoscale</i> , 2009, 1, 68.	2.8	171
104	Characterization of Ferritin Adsorption onto Gold. <i>Journal of Colloid and Interface Science</i> , 1997, 186, 129-140.	5.0	170
105	A Protective Vaccine Delivery System for <i>In Vivo</i> T Cell Stimulation Using Nanoengineered Polymer Hydrogel Capsules. <i>ACS Nano</i> , 2009, 3, 3391-3400.	7.3	170
106	A Cytoprotective and Degradable Metal-Polyphenol Nanoshell for Single-Cell Encapsulation. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 12420-12425.	7.2	164
107	Ultrathin Molybdenum Polyoxometalate-Polyelectrolyte Multilayer Films. <i>Langmuir</i> , 1998, 14, 3462-3465.	1.6	162
108	Nanotubes Prepared by Templating Sacrificial Nickel Nanorods. <i>Nano Letters</i> , 2001, 1, 727-730.	4.5	161

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109	Biomimetic Liposome- and Polymersome-Based Multicompartmentalized Assemblies. <i>Langmuir</i> , 2012, 28, 13798-13807.	1.6	160
110	Engineering Particles for Therapeutic Delivery: Prospects and Challenges. <i>ACS Nano</i> , 2012, 6, 3663-3669.	7.3	160
111	Super-resolution Imaging of Proton Sponge-Triggered Rupture of Endosomes and Cytosolic Release of Small Interfering RNA. <i>ACS Nano</i> , 2019, 13, 187-202.	7.3	159
112	Targeting of Cancer Cells Using Click-Functionalized Polymer Capsules. <i>Journal of the American Chemical Society</i> , 2010, 132, 15881-15883.	6.6	157
113	Tailoring the Interfaces between Nematic Liquid Crystal Emulsions and Aqueous Phases via Layer-by-Layer Assembly. <i>Nano Letters</i> , 2006, 6, 2243-2248.	4.5	155
114	Binding, Internalization, and Antigen Presentation of Vaccine-Loaded Nanoengineered Capsules in Blood. <i>Advanced Materials</i> , 2008, 20, 4698-4703.	11.1	155
115	Uptake and Intracellular Fate of Disulfide-Bonded Polymer Hydrogel Capsules for Doxorubicin Delivery to Colorectal Cancer Cells. <i>ACS Nano</i> , 2010, 4, 2928-2936.	7.3	155
116	Immunological Principles Guiding the Rational Design of Particles for Vaccine Delivery. <i>ACS Nano</i> , 2017, 11, 54-68.	7.3	153
117	An Enzyme-Coated Metal-Organic Framework Shell for Synthetically Adaptive Cell Survival. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 8510-8515.	7.2	152
118	Adsorption and Desorption Behavior of an Anionic Pyrene Chromophore in Sequentially Deposited Polyelectrolyte-Dye Thin Films. <i>Journal of the American Chemical Society</i> , 2000, 122, 5841-5848.	6.6	150
119	Influence of Size, Surface, Cell Line, and Kinetic Properties on the Specific Binding of A33 Antigen-Targeted Multilayered Particles and Capsules to Colorectal Cancer Cells. <i>ACS Nano</i> , 2007, 1, 93-102.	7.3	150
120	Thin Multilayer Films of Weak Polyelectrolytes on Colloid Particles. <i>Macromolecules</i> , 2002, 35, 9780-9787.	2.2	149
121	Engineering Poly(ethylene glycol) Particles for Improved Biodistribution. <i>ACS Nano</i> , 2015, 9, 1571-1580.	7.3	148
122	Dense Nanoparticulate Thin Films via Gold Nanoparticle Self-Assembly. <i>Advanced Materials</i> , 2002, 14, 508-512.	11.1	147
123	Ultrasonic Synthesis of Stable, Functional Lysozyme Microbubbles. <i>Langmuir</i> , 2008, 24, 10078-10083.	1.6	147
124	Metal-Phenolic Supramolecular Gelation. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 13803-13807.	7.2	147
125	Core-Shell Colloids and Hollow Polyelectrolyte Capsules Based on Diazo-resins. <i>Advanced Functional Materials</i> , 2001, 11, 122-128.	7.8	145
126	Gold-Titania Core-Shell Nanoparticles by Polyelectrolyte Complexation with a Titania Precursor. <i>Chemistry of Materials</i> , 2001, 13, 3833-3836.	3.2	142

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127	Engineering Advanced Capsosomes: Maximizing the Number of Subcompartments, Cargo Retention, and Temperature-Triggered Reaction. <i>ACS Nano</i> , 2010, 4, 1351-1361.	7.3	139
128	Shape-Dependent Cellular Processing of Polyelectrolyte Capsules. <i>ACS Nano</i> , 2013, 7, 522-530.	7.3	138
129	Polyphenol-Mediated Assembly of Proteins for Engineering Functional Materials. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 15618-15625.	7.2	138
130	Copper-Assisted Weak Polyelectrolyte Multilayer Formation on Microspheres and Subsequent Film Crosslinking. <i>Advanced Functional Materials</i> , 2003, 13, 929-937.	7.8	137
131	Bioinspired colloidal systems via layer-by-layer assembly. <i>Soft Matter</i> , 2006, 2, 18-23.	1.2	137
132	Size-Dependent Ordering of Liquid Crystals Observed in Polymeric Capsules with Micrometer and Smaller Diameters. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 1652-1655.	7.2	137
133	Nanoporous colloids: building blocks for a new generation of structured materials. <i>Journal of Materials Chemistry</i> , 2009, 19, 6451.	6.7	137
134	Influence of Solvent Quality on the Growth of Polyelectrolyte Multilayers. <i>Langmuir</i> , 2004, 20, 829-834.	1.6	136
135	Oriental Aspects of Antibody Immobilization and Immunological Activity on Quartz Crystal Microbalance Electrodes. <i>Journal of Colloid and Interface Science</i> , 1996, 178, 104-115.	5.0	135
136	Electrostatically Assembled Polyelectrolyte/Dendrimer Multilayer Films as Ultrathin Nanoreservoirs. <i>Nano Letters</i> , 2002, 2, 415-418.	4.5	133
137	Engineering Polymer Hydrogel Nanoparticles for Lymph Node-Targeted Delivery. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 1334-1339.	7.2	133
138	Size and Rigidity of Cylindrical Polymer Brushes Dictate Long Circulating Properties <i>in Vivo</i> . <i>ACS Nano</i> , 2015, 9, 1294-1304.	7.3	132
139	Chlorine Resistant Glutaraldehyde Crosslinked Polyelectrolyte Multilayer Membranes for Desalination. <i>Advanced Materials</i> , 2015, 27, 2791-2796.	11.1	128
140	Metal-Phenolic Coatings as a Platform to Trigger Endosomal Escape of Nanoparticles. <i>ACS Nano</i> , 2019, 13, 11653-11664.	7.3	128
141	Core-Shell Particles and Hollow Shells Containing Metallo-Supramolecular Components. <i>Chemistry of Materials</i> , 1999, 11, 3394-3399.	3.2	127
142	Formation of luminescent spherical core-shell particles by the consecutive adsorption of polyelectrolyte and CdTe(S) nanocrystals on latex colloids. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2000, 163, 39-44.	2.3	127
143	Capsosomes: Subcompartmentalizing Polyelectrolyte Capsules Using Liposomes. <i>Langmuir</i> , 2009, 25, 6725-6732.	1.6	127
144	Metallo-dielectric Opals of Layer-by-Layer Processed Coated Colloids. <i>Advanced Materials</i> , 2002, 14, 1160.	11.1	126

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145	A paradigm for peptide vaccine delivery using viral epitopes encapsulated in degradable polymer hydrogel capsules. <i>Biomaterials</i> , 2009, 30, 5178-5186.	5.7	126
146	Growth of Multilayer Films of Fixed and Variable Charge Density Polyelectrolytes: Effect of Mutual Charge and Secondary Interactions. <i>Macromolecules</i> , 2003, 36, 5258-5264.	2.2	124
147	Templated Assembly of pH-Sensitive Polymer-Drug Particles for Intracellular Drug Delivery. <i>Advanced Functional Materials</i> , 2012, 22, 4718-4723.	7.8	124
148	pH-Responsive Poly(acrylic acid) Core Cross-Linked Star Polymers: Morphology Transitions in Solution and Multilayer Thin Films. <i>Macromolecules</i> , 2008, 41, 2620-2626.	2.2	122
149	Nanoengineered Templated Polymer Particles: Navigating the Biological Realm. <i>Accounts of Chemical Research</i> , 2016, 49, 1139-1148.	7.6	122
150	Coated Colloids with Tailored Optical Properties. <i>Journal of Physical Chemistry B</i> , 2003, 107, 10990-10994.	1.2	121
151	Phase Transfer of Surface-Modified Gold Nanoparticles by Hydrophobization with Alkylamines. <i>Langmuir</i> , 2003, 19, 6987-6993.	1.6	121
152	Engineering Low-Fouling and pH-Degradable Capsules through the Assembly of Metal-Phenolic Networks. <i>Biomacromolecules</i> , 2015, 16, 807-814.	2.6	121
153	Quartz Crystal Microbalance and Surface Plasmon Resonance Study of Surfactant Adsorption onto Gold and Chromium Oxide Surfaces. <i>Langmuir</i> , 1995, 11, 1546-1552.	1.6	120
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