

Frank Caruso

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

627
papers

59,571
citations

126
h-index

222
g-index

677
ext. papers

64,088
ext. citations

11.5
avg, IF

8.11
L-index

#	Paper	IF	Citations
627	Nanoengineering of inorganic and hybrid hollow spheres by colloidal templating. <i>Science</i> , 1998 , 282, 1111-4	33.3	3665
626	Nanoengineering of Particle Surfaces. <i>Advanced Materials</i> , 2001 , 13, 11-22	24	2275
625	Novel Hollow Polymer Shells by Colloid-Templated Assembly of Polyelectrolytes. <i>Angewandte Chemie - International Edition</i> , 1998 , 37, 2201-2205	16.4	1612
624	One-step assembly of coordination complexes for versatile film and particle engineering. <i>Science</i> , 2013 , 341, 154-7	33.3	1227
623	Multilayer assembly. Technology-driven layer-by-layer assembly of nanofilms. <i>Science</i> , 2015 , 348, aaa2494	33.3	1031
622	Hollow capsule processing through colloidal templating and self-assembly. <i>Chemistry - A European Journal</i> , 2000 , 6, 413-9	4.8	824
621	Template Synthesis of Nanostructured Materials via Layer-by-Layer Assembly. <i>Chemistry of Materials</i> , 2008 , 20, 848-858	9.6	708
620	Stepwise polyelectrolyte assembly on particle surfaces: a novel approach to colloid design. <i>Polymers for Advanced Technologies</i> , 1998 , 9, 759-767	3.2	573
619	Magnetic Nanocomposite Particles and Hollow Spheres Constructed by a Sequential Layering Approach. <i>Chemistry of Materials</i> , 2001 , 13, 109-116	9.6	543
618	Engineering multifunctional capsules through the assembly of metal-phenolic networks. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 5546-51	16.4	540
617	Innovation in Layer-by-Layer Assembly. <i>Chemical Reviews</i> , 2016 , 116, 14828-14867	68.1	521
616	Layer-by-layer engineered capsules and their applications. <i>Current Opinion in Colloid and Interface Science</i> , 2006 , 11, 203-209	7.6	510
615	Mesoporous Silica Spheres as Supports for Enzyme Immobilization and Encapsulation. <i>Chemistry of Materials</i> , 2005 , 17, 953-961	9.6	484
614	Enzyme Encapsulation in Layer-by-Layer Engineered Polymer Multilayer Capsules. <i>Langmuir</i> , 2000 , 16, 1485-1488	4	481
613	Multilayered Titania, Silica, and Laponite Nanoparticle Coatings on Polystyrene Colloidal Templates and Resulting Inorganic Hollow Spheres. <i>Chemistry of Materials</i> , 2001 , 13, 400-409	9.6	481
612	Electrostatic Self-Assembly of Silica Nanoparticle Polyelectrolyte Multilayers on Polystyrene Latex Particles. <i>Journal of the American Chemical Society</i> , 1998 , 120, 8523-8524	16.4	462
611	Quantum measurement and orientation tracking of fluorescent nanodiamonds inside living cells. <i>Nature Nanotechnology</i> , 2011 , 6, 358-63	28.7	452

610	Spontaneous phase transfer of nanoparticulate metals from organic to aqueous media. <i>Angewandte Chemie - International Edition</i> , 2001 , 40, 3001-4	16.4	414
609	Next generation, sequentially assembled ultrathin films: beyond electrostatics. <i>Chemical Society Reviews</i> , 2007 , 36, 707-18	58.5	405
608	Self-Polymerization of Dopamine as a Versatile and Robust Technique to Prepare Polymer Capsules. <i>Chemistry of Materials</i> , 2009 , 21, 3042-3044	9.6	404
607	Protein Multilayer Formation on Colloids through a Stepwise Self-Assembly Technique. <i>Journal of the American Chemical Society</i> , 1999 , 121, 6039-6046	16.4	387
606	Quartz crystal microbalance study of DNA immobilization and hybridization for nucleic Acid sensor development. <i>Analytical Chemistry</i> , 1997 , 69, 2043-9	7.8	372
605	Nanostructured Electrochemical Sensor Based on Dense Gold Nanoparticle Films. <i>Nano Letters</i> , 2003 , 3, 1203-1207	11.5	364
604	Hollow Titania Spheres from Layered Precursor Deposition on Sacrificial Colloidal Core Particles. <i>Advanced Materials</i> , 2001 , 13, 740-744	24	363
603	2. Assembly of Alternating Polyelectrolyte and Protein Multilayer Films for Immunosensing. <i>Langmuir</i> , 1997 , 13, 3427-3433	4	359
602	Optically Addressable Nanostructured Capsules. <i>Advanced Materials</i> , 2004 , 16, 2184-2189	24	359
601	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	5.5	358
600	Light-responsive polyelectrolyte/gold nanoparticle microcapsules. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 3071-6	3.4	351
599	Plasmon emission in photoexcited gold nanoparticles. <i>Physical Review B</i> , 2004 , 70,	3.3	342
598	Multilayer Assemblies of Silica-Encapsulated Gold Nanoparticles on Decomposable Colloid Templates. <i>Advanced Materials</i> , 2001 , 13, 1090-1094	24	339
597	Assembly of ultrathin polymer multilayer films by click chemistry. <i>Journal of the American Chemical Society</i> , 2006 , 128, 9318-9	16.4	337
596	A Decade of the Protein Corona. <i>ACS Nano</i> , 2017 , 11, 11773-11776	16.7	329
595	Enzyme Multilayers on Colloid Particles: Assembly, Stability, and Enzymatic Activity. <i>Langmuir</i> , 2000 , 16, 9595-9603	4	323
594	Magnetic Core-Shell Particles: Preparation of Magnetite Multilayers on Polymer Latex Microspheres. <i>Advanced Materials</i> , 1999 , 11, 950-953	24	306
593	Engineered hydrogen-bonded polymer multilayers: from assembly to biomedical applications. <i>Chemical Society Reviews</i> , 2011 , 40, 19-29	58.5	305

592	Biofunctionalization of fluorescent rare-earth-doped lanthanum phosphate colloidal nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2004 , 43, 5954-7	16.4	305
591	Disulfide cross-linked polymer capsules: en route to biodeconstructible systems. <i>Biomacromolecules</i> , 2006 , 7, 27-30	6.9	304
590	Minimum information reporting in bio-nano experimental literature. <i>Nature Nanotechnology</i> , 2018 , 13, 777-785	28.7	297
589	Semiconductor Quantum Dot-Labeled Microsphere Bioconjugates Prepared by Stepwise Self-Assembly. <i>Nano Letters</i> , 2002 , 2, 857-861	11.5	289
588	Metal-phenolic networks as a versatile platform to engineer nanomaterials and biointerfaces. <i>Nano Today</i> , 2017 , 12, 136-148	17.9	280
587	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	4	279
586	Tailoring the Polyelectrolyte Coating of Metal Nanoparticles. <i>Journal of Physical Chemistry B</i> , 2001 , 105, 6846-6852	3.4	277
585	Hierarchical Assembly of Zeolite Nanoparticles into Ordered Macroporous Monoliths Using Core-Shell Building Blocks. <i>Chemistry of Materials</i> , 2000 , 12, 2832-2834	9.6	272
584	Nano- and Microengineering: 3-D Colloidal Photonic Crystals Prepared from Sub- μ m-sized Polystyrene Latex Spheres Pre-Coated with Luminescent Polyelectrolyte/Nanocrystal Shells. <i>Advanced Materials</i> , 2000 , 12, 333-337	24	268
583	Immobilization and intracellular delivery of an anticancer drug using mussel-inspired polydopamine capsules. <i>Biomacromolecules</i> , 2012 , 13, 2225-8	6.9	265
582	Layer-by-layer-assembled capsules and films for therapeutic delivery. <i>Small</i> , 2010 , 6, 1836-52	11	264
581	Production of Hollow Microspheres from Nanostructured Composite Particles. <i>Chemistry of Materials</i> , 1999 , 11, 3309-3314	9.6	264
580	Monodisperse Polymer Capsules: Tailoring Size, Shell Thickness, and Hydrophobic Cargo Loading via Emulsion Templating. <i>Advanced Functional Materials</i> , 2010 , 20, 1625-1631	15.6	251
579	Modular assembly of superstructures from polyphenol-functionalized building blocks. <i>Nature Nanotechnology</i> , 2016 , 11, 1105-1111	28.7	251
578	1. Ultrathin Multilayer Polyelectrolyte Films on Gold: Construction and Thickness Determination. <i>Langmuir</i> , 1997 , 13, 3422-3426	4	247
577	Layer-by-layer assembled charge-trap memory devices with adjustable electronic properties. <i>Nature Nanotechnology</i> , 2007 , 2, 790-5	28.7	238
576	Coordination-Driven Multistep Assembly of Metal-Polyphenol Films and Capsules. <i>Chemistry of Materials</i> , 2014 , 26, 1645-1653	9.6	232
575	Templated synthesis of single-component polymer capsules and their application in drug delivery. <i>Nano Letters</i> , 2008 , 8, 1741-5	11.5	232

574	Nanoporous Thin Films Formed by Salt-Induced Structural Changes in Multilayers of Poly(acrylic acid) and Poly(allylamine). <i>Langmuir</i> , 2001 , 17, 3779-3783	4	226
573	Overcoming the Blood-Brain Barrier: The Role of Nanomaterials in Treating Neurological Diseases. <i>Advanced Materials</i> , 2018 , 30, e1801362	24	226
572	Bridging Bio-Nano Science and Cancer Nanomedicine. <i>ACS Nano</i> , 2017 , 11, 9594-9613	16.7	222
571	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	5.5	221
570	Gold Nanoparticle-Based Core-Shell and Hollow Spheres and Ordered Assemblies Thereof. <i>Chemistry of Materials</i> , 2003 , 15, 3176-3183	9.6	219
569	Mesoporous Silica Particles as Templates for Preparing Enzyme-Loaded Biocompatible Microcapsules. <i>Advanced Materials</i> , 2005 , 17, 1737-1741	24	217
568	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, 10960-70	16.7	210
567	Nanoporous block copolymer micelle/micelle multilayer films with dual optical properties. <i>Journal of the American Chemical Society</i> , 2006 , 128, 9935-42	16.4	205
566	Decomposable hollow biopolymer-based capsules. <i>Biomacromolecules</i> , 2001 , 2, 921-6	6.9	205
565	Facile tailoring of film morphology and release properties using layer-by-layer assembly of thermoresponsive materials. <i>Langmuir</i> , 2004 , 20, 20-2	4	201
564	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	15.6	197
563	Biosensors: recent advances. <i>Reports on Progress in Physics</i> , 1997 , 60, 1397-1445	14.4	197
562	Degradable polyelectrolyte capsules filled with oligonucleotide sequences. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 7743-5	16.4	197
561	Void Engineering in Metal-Organic Frameworks via Synergistic Etching and Surface Functionalization. <i>Advanced Functional Materials</i> , 2016 , 26, 5827-5834	15.6	196
560	Metal-Organic Framework Coatings as Cytoprotective Exoskeletons for Living Cells. <i>Advanced Materials</i> , 2016 , 28, 7910-7914	24	192
559	Electrostatically Assembled Fluorescent Thin Films of Rare-Earth-Doped Lanthanum Phosphate Nanoparticles. <i>Chemistry of Materials</i> , 2002 , 14, 4509-4516	9.6	192
558	Preparation and Characterization of Ordered Nanoparticle and Polymer Composite Multilayers on Colloids. <i>Langmuir</i> , 1999 , 15, 8276-8281	4	192
557	Coatings super-repellent to ultralow surface tension liquids. <i>Nature Materials</i> , 2018 , 17, 1040-1047	27	190

556	Phenolic Building Blocks for the Assembly of Functional Materials. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 1904-1927	16.4	189
555	A microreactor with thousands of subcompartments: enzyme-loaded liposomes within polymer capsules. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 4359-62	16.4	187
554	DNA multilayer films on planar and colloidal supports: sequential assembly of like-charged polyelectrolytes. <i>Nano Letters</i> , 2005 , 5, 953-6	11.5	187
553	Nanoporous polyelectrolyte spheres prepared by sequentially coating sacrificial mesoporous silica spheres. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 2888-92	16.4	187
552	Disulfide-Stabilized Poly(methacrylic acid) Capsules: Formation, Cross-Linking, and Degradation Behavior. <i>Chemistry of Materials</i> , 2008 , 20, 2655-2661	9.6	185
551	Ultrathin, responsive polymer click capsules. <i>Nano Letters</i> , 2007 , 7, 1706-10	11.5	185
550	A general approach for DNA encapsulation in degradable polymer microcapsules. <i>ACS Nano</i> , 2007 , 1, 63-9	16.7	184
549	Nanotubes Prepared by Layer-by-Layer Coating of Porous Membrane Templates. <i>Advanced Materials</i> , 2003 , 15, 1849-1853	24	184
548	Multilayered Polymer Nanocapsules Derived from Gold Nanoparticle Templates. <i>Advanced Materials</i> , 2000 , 12, 1947-1949	24	183
547	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	3.4	180
546	Biocolloids with ordered urease multilayer shells as enzymatic reactors. <i>Analytical Chemistry</i> , 2001 , 73, 4212-7	7.8	175
545	Biodegradable click capsules with engineered drug-loaded multilayers. <i>ACS Nano</i> , 2010 , 4, 1653-63	16.7	174
544	Encapsulation of water-insoluble drugs in polymer capsules prepared using mesoporous silica templates for intracellular drug delivery. <i>Advanced Materials</i> , 2010 , 22, 4293-7	24	171
543	Degradable, Surfactant-Free, Monodisperse Polymer-Encapsulated Emulsions as Anticancer Drug Carriers. <i>Advanced Materials</i> , 2009 , 21, 1820-1824	24	167
542	Enzyme encapsulation in nanoporous silica spheres. <i>Chemical Communications</i> , 2004 , 1528-9	5.8	167
541	Self-Assembly and Characterization of Polyaniline and Sulfonated Polystyrene Multilayer-Coated Colloidal Particles and Hollow Shells. <i>Langmuir</i> , 2003 , 19, 8550-8554	4	167
540	Targeting and Uptake of Multilayered Particles to Colorectal Cancer Cells. <i>Advanced Materials</i> , 2006 , 18, 1998-2003	24	165
539	A protective vaccine delivery system for in vivo T cell stimulation using nanoengineered polymer hydrogel capsules. <i>ACS Nano</i> , 2009 , 3, 3391-400	16.7	162

538	Characterization of Ferritin Adsorption onto Gold. <i>Journal of Colloid and Interface Science</i> , 1997 , 186, 129-40	9.3	162
537	Polymer hydrogel capsules: en route toward synthetic cellular systems. <i>Nanoscale</i> , 2009 , 1, 68-73	7.7	161
536	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	9.6	161
535	pH-Responsive Capsules Engineered from Metal-Phenolic Networks for Anticancer Drug Delivery. <i>Small</i> , 2015 , 11, 2032-6	11	160
534	Assembly of Layer-by-Layer Particles and Their Interactions with Biological Systems. <i>Chemistry of Materials</i> , 2014 , 26, 452-460	9.6	160
533	Metal-Organic Frameworks for Cell and Virus Biology: A Perspective. <i>ACS Nano</i> , 2018 , 12, 13-23	16.7	159
532	Emerging methods for the fabrication of polymer capsules. <i>Advances in Colloid and Interface Science</i> , 2014 , 207, 14-31	14.3	159
531	Microencapsulation of Uncharged Low Molecular Weight Organic Materials by Polyelectrolyte Multilayer Self-Assembly \square <i>Langmuir</i> , 2000 , 16, 8932-8936	4	159
530	Neuartige Polymerhohlkörper durch Selbstorganisation von Polyelektrolyten auf kolloidalen Templaten. <i>Angewandte Chemie</i> , 1998 , 110, 2323-2327	3.6	158
529	The "sweet" side of the protein corona: effects of glycosylation on nanoparticle-cell interactions. <i>ACS Nano</i> , 2015 , 9, 2157-66	16.7	157
528	Fabrication of Polyaniline Inverse Opals via Templating Ordered Colloidal Assemblies. <i>Advanced Materials</i> , 2001 , 13, 350-354	24	156
527	Preparation and Organization of Nanoscale Polyelectrolyte-Coated Gold Nanoparticles. <i>Advanced Functional Materials</i> , 2003 , 13, 183-188	15.6	153
526	Stepwise self-assembled poly(amidoamine) dendrimer and poly(styrenesulfonate) microcapsules as sustained delivery vehicles. <i>Biomacromolecules</i> , 2002 , 3, 1154-62	6.9	153
525	Targeting of cancer cells using click-functionalized polymer capsules. <i>Journal of the American Chemical Society</i> , 2010 , 132, 15881-3	16.4	151
524	Engineering particles for therapeutic delivery: prospects and challenges. <i>ACS Nano</i> , 2012 , 6, 3663-9	16.7	147
523	Uptake and intracellular fate of disulfide-bonded polymer hydrogel capsules for Doxorubicin delivery to colorectal cancer cells. <i>ACS Nano</i> , 2010 , 4, 2928-36	16.7	147
522	Nanotubes Prepared by Templating Sacrificial Nickel Nanorods. <i>Nano Letters</i> , 2001 , 1, 727-730	11.5	147
521	Binding, Internalization, and Antigen Presentation of Vaccine-Loaded Nanoengineered Capsules in Blood. <i>Advanced Materials</i> , 2008 , 20, 4698-4703	24	146

520	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	16.4	145
519	Biomimetic liposome- and polymersome-based multicompartmentalized assemblies. <i>Langmuir</i> , 2012 , 28, 13798-807	4	143
518	Interfacing materials science and biology for drug carrier design. <i>Advanced Materials</i> , 2015 , 27, 2278-97	24	141
517	Surface-Confined Amorphous Films From Metal-Coordinated Simple Phenolic Ligands. <i>Chemistry of Materials</i> , 2015 , 27, 5825-5832	9.6	141
516	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	16.7	141
515	Ultrathin Molybdenum Polyoxometalate Polyelectrolyte Multilayer Films. <i>Langmuir</i> , 1998 , 14, 3462-3465	4	141
514	Tailoring the interfaces between nematic liquid crystal emulsions and aqueous phases via layer-by-layer assembly. <i>Nano Letters</i> , 2006 , 6, 2243-8	11.5	138
513	Dense Nanoparticulate Thin Films via Gold Nanoparticle Self-Assembly. <i>Advanced Materials</i> , 2002 , 14, 508-512	24	138
512	Thin Multilayer Films of Weak Polyelectrolytes on Colloid Particles. <i>Macromolecules</i> , 2002 , 35, 9780-9787	7.5	138
511	Nanoporous colloids: building blocks for a new generation of structured materials. <i>Journal of Materials Chemistry</i> , 2009 , 19, 6451		136
510	Bioinspired colloidal systems via layer-by-layer assembly. <i>Soft Matter</i> , 2006 , 2, 18-23	3.6	134
509	Gold-Titania Core-Shell Nanoparticles by Polyelectrolyte Complexation with a Titania Precursor. <i>Chemistry of Materials</i> , 2001 , 13, 3833-3836	9.6	134
508	Ultrasonic synthesis of stable, functional lysozyme microbubbles. <i>Langmuir</i> , 2008 , 24, 10078-83	4	133
507	Core-Shell Colloids and Hollow Polyelectrolyte Capsules Based on Diazoresins. <i>Advanced Functional Materials</i> , 2001 , 11, 122-128	15.6	131
506	Copper-Assisted Weak Polyelectrolyte Multilayer Formation on Microspheres and Subsequent Film Crosslinking. <i>Advanced Functional Materials</i> , 2003 , 13, 929-937	15.6	130
505	Engineering advanced capsosomes: maximizing the number of subcompartments, cargo retention, and temperature-triggered reaction. <i>ACS Nano</i> , 2010 , 4, 1351-61	16.7	129
504	Orientational Aspects of Antibody Immobilization and Immunological Activity on Quartz Crystal Microbalance Electrodes. <i>Journal of Colloid and Interface Science</i> , 1996 , 178, 104-115	9.3	129
503	Influence of solvent quality on the growth of polyelectrolyte multilayers. <i>Langmuir</i> , 2004 , 20, 829-34	4	128

502	The Future of Layer-by-Layer Assembly: A Tribute to ACS Nano Associate Editor Helmut M. Böwald. <i>ACS Nano</i> , 2019 , 13, 6151-6169	16.7	127
501	Shape-dependent cellular processing of polyelectrolyte capsules. <i>ACS Nano</i> , 2013 , 7, 522-30	16.7	123
500	Electrostatically Assembled Polyelectrolyte/Dendrimer Multilayer Films as Ultrathin Nanoreservoirs. <i>Nano Letters</i> , 2002 , 2, 415-418	11.5	123
499	An Enzyme-Coated Metal-Organic Framework Shell for Synthetically Adaptive Cell Survival. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 8510-8515	16.4	120
498	Capsosomes: subcompartmentalizing polyelectrolyte capsules using liposomes. <i>Langmuir</i> , 2009 , 25, 6725-32	16.7	120
497	Immunological Principles Guiding the Rational Design of Particles for Vaccine Delivery. <i>ACS Nano</i> , 2017 , 11, 54-68	16.7	119
496	Engineering poly(ethylene glycol) particles for improved biodistribution. <i>ACS Nano</i> , 2015 , 9, 1571-80	16.7	119
495	Templated Assembly of pH-Labile Polymer-Drug Particles for Intracellular Drug Delivery. <i>Advanced Functional Materials</i> , 2012 , 22, 4718-4723	15.6	118
494	Size-dependent ordering of liquid crystals observed in polymeric capsules with micrometer and smaller diameters. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 1652-5	16.4	118
493	Phase Transfer of Surface-Modified Gold Nanoparticles by Hydrophobization with Alkylamines. <i>Langmuir</i> , 2003 , 19, 6987-6993	4	117
492	Metal-Phenolic Supramolecular Gelation. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 13803-13807	16.7	117
491	Metallodielectric Opals of Layer-by-Layer Processed Coated Colloids. <i>Advanced Materials</i> , 2002 , 14, 1160-4	16.7	115
490	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	5.5	115
489	Core-Shell Particles and Hollow Shells Containing Metallo-Supramolecular Components. <i>Chemistry of Materials</i> , 1999 , 11, 3394-3399	9.6	115
488	A paradigm for peptide vaccine delivery using viral epitopes encapsulated in degradable polymer hydrogel capsules. <i>Biomaterials</i> , 2009 , 30, 5178-86	15.6	114
487	Dopamine-Mediated Continuous Assembly of Biodegradable Capsules. <i>Chemistry of Materials</i> , 2011 , 23, 3141-3143	9.6	113
486	Low-fouling, biofunctionalized, and biodegradable click capsules. <i>Biomacromolecules</i> , 2008 , 9, 3389-96	6.9	113
485	Tuning the formation and degradation of layer-by-layer assembled polymer hydrogel microcapsules. <i>Langmuir</i> , 2009 , 25, 14079-85	4	112

484	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	5.5	111
483	Quartz Crystal Microbalance and Surface Plasmon Resonance Study of Surfactant Adsorption onto Gold and Chromium Oxide Surfaces. <i>Langmuir</i> , 1995 , 11, 1546-1552	4	111
482	Size and rigidity of cylindrical polymer brushes dictate long circulating properties in vivo. <i>ACS Nano</i> , 2015 , 9, 1294-304	16.7	110
481	Nanoporous Protein Particles Through Templating Mesoporous Silica Spheres. <i>Advanced Materials</i> , 2006 , 18, 795-800	24	110
480	Macroporous Zeolitic Membrane Bioreactors. <i>Advanced Functional Materials</i> , 2004 , 14, 1012-1018	15.6	110
479	Active multilayered capsules for in vivo bone formation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 3406-11	11.5	109
478	Preparation of enzyme multilayers on colloids for biocatalysis. <i>Macromolecular Rapid Communications</i> , 2000 , 21, 750-753	4.8	109
477	Engineering Polymer Hydrogel Nanoparticles for Lymph Node-Targeted Delivery. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 1334-9	16.4	109
476	Coated Colloids with Tailored Optical Properties. <i>Journal of Physical Chemistry B</i> , 2003 , 107, 10990-10994	4	108
475	Chlorine resistant glutaraldehyde crosslinked polyelectrolyte multilayer membranes for desalination. <i>Advanced Materials</i> , 2015 , 27, 2791-6	24	107
474	Capsosomes with Multilayered Subcompartments: Assembly and Loading with Hydrophobic Cargo. <i>Advanced Functional Materials</i> , 2010 , 20, 59-66	15.6	106
473	Semiconducting Polymer Inverse Opals Prepared by Electropolymerization. <i>Advanced Materials</i> , 2002 , 14, 34-38	24	106
472	Hollow Inorganic Capsules via Colloid-Templated Layer-by-Layer Electrostatic Assembly. <i>Topics in Current Chemistry</i> , 2003 , 145-168		106
471	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	5.1	106
470	Stabilization and Functionalization of Polymer Multilayers and Capsules via Thiol-Ene Click Chemistry. <i>Chemistry of Materials</i> , 2009 , 21, 576-578	9.6	105
469	Contiguous Silver Nanoparticle Coatings on Dielectric Spheres. <i>Advanced Materials</i> , 2002 , 14, 732	24	105
468	Nanoengineered Templated Polymer Particles: Navigating the Biological Realm. <i>Accounts of Chemical Research</i> , 2016 , 49, 1139-48	24.3	105
467	Microfluidic polymer multilayer adsorption on liquid crystal droplets for microcapsule synthesis. <i>Lab on A Chip</i> , 2008 , 8, 2182-7	7.2	101

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