

Katharina Landfester

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.

767
papers

36,657
citations

93
h-index

155
g-index

816
ext. papers

40,855
ext. citations

7.2
avg. IF

7.85
L-index

#	Paper	IF	Citations
767	Rapid formation of plasma protein corona critically affects nanoparticle pathophysiology. <i>Nature Nanotechnology</i> , 2013 , 8, 772-81	28.7	1502
766	Protein adsorption is required for stealth effect of poly(ethylene glycol)- and poly(phosphoester)-coated nanocarriers. <i>Nature Nanotechnology</i> , 2016 , 11, 372-7	28.7	741
765	Polyreactions in miniemulsions. <i>Progress in Polymer Science</i> , 2002 , 27, 689-757	29.6	669
764	Miniemulsion polymerization and the structure of polymer and hybrid nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 4488-507	16.4	617
763	Interaction of nanoparticles with cells. <i>Biomacromolecules</i> , 2009 , 10, 2379-400	6.9	476
762	Liposomes and polymersomes: a comparative review towards cell mimicking. <i>Chemical Society Reviews</i> , 2018 , 47, 8572-8610	58.5	458
761	Plastics of the Future? The Impact of Biodegradable Polymers on the Environment and on Society. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 50-62	16.4	444
760	Differential uptake of functionalized polystyrene nanoparticles by human macrophages and a monocytic cell line. <i>ACS Nano</i> , 2011 , 5, 1657-69	16.7	422
759	Preparation of Polymeric Nanocapsules by Miniemulsion Polymerization. <i>Langmuir</i> , 2001 , 17, 908-918	4	411
758	Protein corona of nanoparticles: distinct proteins regulate the cellular uptake. <i>Biomacromolecules</i> , 2015 , 16, 1311-21	6.9	388
757	Polyreactions in Miniemulsions. <i>Macromolecular Rapid Communications</i> , 2001 , 22, 896-936	4.8	377
756	High surface area crystalline titanium dioxide: potential and limits in electrochemical energy storage and catalysis. <i>Chemical Society Reviews</i> , 2012 , 41, 5313-60	58.5	361
755	Novel approaches to polymer blends based on polymer nanoparticles. <i>Nature Materials</i> , 2003 , 2, 408-12	27	361
754	Magnetic Polystyrene Nanoparticles with a High Magnetite Content Obtained by Miniemulsion Processes. <i>Macromolecular Chemistry and Physics</i> , 2003 , 204, 22-31	2.6	358
753	Semiconducting Polymer Nanospheres in Aqueous Dispersion Prepared by a Miniemulsion Process. <i>Advanced Materials</i> , 2002 , 14, 651-655	24	306
752	Formulation and Stability Mechanisms of Polymerizable Miniemulsions. <i>Macromolecules</i> , 1999 , 32, 5222-5228	35	305
751	Silica Nanoparticles as Surfactants and Fillers for Latexes Made by Miniemulsion Polymerization. <i>Langmuir</i> , 2001 , 17, 5775-5780	4	287

750	SYNTHESIS OF COLLOIDAL PARTICLES IN MINIEMULSIONS. <i>Annual Review of Materials Research</i> , 2006 , 36, 231-279	12.8	282
749	Molecular Engineering of Conjugated Polybenzothiadiazoles for Enhanced Hydrogen Production by Photosynthesis. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 9202-6	16.4	265
748	Uptake of functionalized, fluorescent-labeled polymeric particles in different cell lines and stem cells. <i>Biomaterials</i> , 2006 , 27, 2820-8	15.6	257
747	Preparation of Polymer Particles in Nonaqueous Direct and Inverse Miniemulsions. <i>Macromolecules</i> , 2000 , 33, 2370-2376	5.5	234
746	Uptake mechanism of oppositely charged fluorescent nanoparticles in HeLa cells. <i>Macromolecular Bioscience</i> , 2008 , 8, 1135-43	5.5	224
745	A Convenient Method to Produce Close- and Non-close-Packed Monolayers using Direct Assembly at the Air/Water Interface and Subsequent Plasma-Induced Size Reduction. <i>Macromolecular Chemistry and Physics</i> , 2011 , 212, 1719-1734	2.6	197
744	Molecular Structural Design of Conjugated Microporous Poly(Benzooxadiazole) Networks for Enhanced Photocatalytic Activity with Visible Light. <i>Advanced Materials</i> , 2015 , 27, 6265-70	24	193
743	Polymeric Nanoreactors for Hydrophilic Reagents Synthesized by Interfacial Polycondensation on Miniemulsion Droplets. <i>Macromolecules</i> , 2007 , 40, 3122-3135	5.5	191
742	Visible-Light-Promoted Selective Oxidation of Alcohols Using a Covalent Triazine Framework. <i>ACS Catalysis</i> , 2017 , 7, 5438-5442	13.1	186
741	Antibacterial Surface Coatings from Zinc Oxide Nanoparticles Embedded in Poly(N-isopropylacrylamide) Hydrogel Surface Layers. <i>Advanced Functional Materials</i> , 2012 , 22, 2376-2386	15.6	184
740	Encapsulation of Carbon Black by Miniemulsion Polymerization. <i>Macromolecular Chemistry and Physics</i> , 2001 , 202, 51-60	2.6	177
739	Amino-functionalized polystyrene nanoparticles activate the NLRP3 inflammasome in human macrophages. <i>ACS Nano</i> , 2011 , 5, 9648-57	16.7	173
738	Towards the generation of self-healing materials by means of a reversible photo-induced approach. <i>Macromolecular Rapid Communications</i> , 2011 , 32, 468-73	4.8	173
737	Stimuli-responsive microgels for the loading and release of functional compounds: Fundamental concepts and applications. <i>Polymer</i> , 2012 , 53, 5209-5231	3.9	171
736	Patchy nanocapsules of poly(vinylferrocene)-based block copolymers for redox-responsive release. <i>ACS Nano</i> , 2012 , 6, 9042-9	16.7	169
735	Redox-responsive self-healing for corrosion protection. <i>Advanced Materials</i> , 2013 , 25, 6980-4	24	168
734	Pickering-type stabilized nanoparticles by heterophase polymerization. <i>Chemical Society Reviews</i> , 2013 , 42, 6823-39	58.5	168
733	From soft to hard: the generation of functional and complex colloidal monolayers for nanolithography. <i>Soft Matter</i> , 2012 , 8, 4044-4061	3.6	161

732	Miniemulsion Polymerization with Cationic and Nonionic Surfactants: A Very Efficient Use of Surfactants for Heterophase Polymerization. <i>Macromolecules</i> , 1999 , 32, 2679-2683	5.5	161
731	How shape influences uptake: interactions of anisotropic polymer nanoparticles and human mesenchymal stem cells. <i>Small</i> , 2012 , 8, 2222-30	11	157
730	MaxSynBio: Avenues Towards Creating Cells from the Bottom Up. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 13382-13392	16.4	155
729	The Generation of Armored Latexes and Hollow Inorganic Shells Made of Clay Sheets by Templating Cationic Miniemulsions and Latexes. <i>Advanced Materials</i> , 2001 , 13, 500-503	24	155
728	Carbohydrate nanocarriers in biomedical applications: functionalization and construction. <i>Chemical Society Reviews</i> , 2015 , 44, 8301-25	58.5	154
727	Preparation of Fluorescent Carboxyl and Amino Functionalized Polystyrene Particles by Miniemulsion Polymerization as Markers for Cells. <i>Macromolecular Chemistry and Physics</i> , 2005 , 206, 2440-2449 ¹⁵⁴	2.6	154
726	Controlling the Stealth Effect of Nanocarriers through Understanding the Protein Corona. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 8806-15	16.4	154
725	Redox responsive release of hydrophobic self-healing agents from polyaniline capsules. <i>Journal of the American Chemical Society</i> , 2013 , 135, 14198-205	16.4	153
724	Evidence for the preservation of the particle identity in miniemulsion polymerization. <i>Macromolecular Rapid Communications</i> , 1999 , 20, 81-84	4.8	153
723	Lysosomal degradation of the carboxydextran shell of coated superparamagnetic iron oxide nanoparticles and the fate of professional phagocytes. <i>Biomaterials</i> , 2010 , 31, 9015-22	15.6	150
722	High Molecular Weight Polyurethane and Polymer Hybrid Particles in Aqueous Miniemulsion. <i>Macromolecules</i> , 2003 , 36, 5119-5125	5.5	150
721	Miniemulsion polymerization as a versatile tool for the synthesis of functionalized polymers. <i>Beilstein Journal of Organic Chemistry</i> , 2010 , 6, 1132-48	2.5	149
720	Miniemulsions for Nanoparticle Synthesis. <i>Topics in Current Chemistry</i> , 2003 , 75-123		148
719	Miniemulsion polymerization: applications and new materials. <i>Macromolecular Symposia</i> , 2000 , 151, 549-555	5.5	146
718	Complementary analysis of the hard and soft protein corona: sample preparation critically effects corona composition. <i>Nanoscale</i> , 2015 , 7, 2992-3001	7.7	143
717	Synthesis of Polyaniline Particles via Inverse and Direct Miniemulsion. <i>Macromolecules</i> , 2003 , 36, 3967-3973	5.3	143
716	Reactions and Polymerizations at the Liquid-Liquid Interface. <i>Chemical Reviews</i> , 2016 , 116, 2141-69	68.1	141
715	Potential photoactivated metallopharmaceuticals: from active molecules to supported drugs. <i>Chemical Communications</i> , 2010 , 46, 6651-62	5.8	141

714	Visualization of the protein corona: towards a biomolecular understanding of nanoparticle-cell-interactions. <i>Nanoscale</i> , 2017 , 9, 8858-8870	7.7	139
713	From polymeric particles to multifunctional nanocapsules for biomedical applications using the miniemulsion process. <i>Journal of Polymer Science Part A</i> , 2010 , 48, 493-515	2.5	139
712	A Nanoparticle Approach To Control the Phase Separation in Polyfluorene Photovoltaic Devices. <i>Macromolecules</i> , 2004 , 37, 4882-4890	5.5	137
711	Wafer-Scale Fabrication of Ordered Binary Colloidal Monolayers with Adjustable Stoichiometries. <i>Advanced Functional Materials</i> , 2011 , 21, 3064-3073	15.6	132
710	Pre-adsorption of antibodies enables targeting of nanocarriers despite a biomolecular corona. <i>Nature Nanotechnology</i> , 2018 , 13, 862-869	28.7	130
709	Biodegradable lignin nanocontainers. <i>RSC Advances</i> , 2014 , 4, 11661-11663	3.7	130
708	Conjugated microporous polymer nanoparticles with enhanced dispersibility and water compatibility for photocatalytic applications. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 16064-16071	13	129
707	The effect of carboxydextran-coated superparamagnetic iron oxide nanoparticles on c-Jun N-terminal kinase-mediated apoptosis in human macrophages. <i>Biomaterials</i> , 2010 , 31, 5063-71	15.6	129
706	Molecularly imprinted polymer nanospheres as synthetic affinity receptors obtained by miniemulsion polymerisation. <i>Macromolecular Chemistry and Physics</i> , 2002 , 203, 1965-1973	2.6	129
705	Carboxylated superparamagnetic iron oxide particles label cells intracellularly without transfection agents. <i>Molecular Imaging and Biology</i> , 2008 , 10, 138-46	3.8	126
704	Photocatalytic Suzuki Coupling Reaction Using Conjugated Microporous Polymer with Immobilized Palladium Nanoparticles under Visible Light. <i>Chemistry of Materials</i> , 2015 , 27, 1921-1924	9.6	124
703	Encapsulated magnetite particles for biomedical application. <i>Journal of Physics Condensed Matter</i> , 2003 , 15, S1345-S1361	1.8	124
702	Protein corona change the drug release profile of nanocarriers: the "overlooked" factor at the nanobio interface. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014 , 123, 143-9	6	122
701	Convenient Synthesis of Fluorinated Latexes and CoreShell Structures by Miniemulsion Polymerization. <i>Macromolecules</i> , 2002 , 35, 1658-1662	5.5	122
700	Crystallization in Miniemulsion Droplets. <i>Journal of Physical Chemistry B</i> , 2003 , 107, 5088-5094	3.4	119
699	BSA adsorption on differently charged polystyrene nanoparticles using isothermal titration calorimetry and the influence on cellular uptake. <i>Macromolecular Bioscience</i> , 2011 , 11, 628-38	5.5	118
698	Carbohydrate-Based Nanocarriers Exhibiting Specific Cell Targeting with Minimum Influence from the Protein Corona. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 7436-40	16.4	117
697	Functionalized polystyrene nanoparticles as a platform for studying bio-nano interactions. <i>Beilstein Journal of Nanotechnology</i> , 2014 , 5, 2403-12	3	115

696	Preparation of biodegradable polymer nanoparticles by miniemulsion technique and their cell interactions. <i>Macromolecular Bioscience</i> , 2008 , 8, 127-39	5.5	114
695	Polyaddition in miniemulsions: A new route to polymer dispersions. <i>Macromolecular Chemistry and Physics</i> , 2000 , 201, 1-5	2.6	114
694	Organic/Inorganic Composite Latexes: The Marriage of Emulsion Polymerization and Inorganic Chemistry. <i>Advances in Polymer Science</i> , 2010 , 53-123	1.3	112
693	Photon energy upconverting nanopaper: a bioinspired oxygen protection strategy. <i>ACS Nano</i> , 2014 , 8, 8198-207	16.7	110
692	Effect of hydrophilic comonomer and surfactant type on the colloidal stability and size distribution of carboxyl- and amino-functionalized polystyrene particles prepared by miniemulsion polymerization. <i>Langmuir</i> , 2007 , 23, 5367-76	4	110
691	Highly porous conjugated polymers for selective oxidation of organic sulfides under visible light. <i>Chemical Communications</i> , 2014 , 50, 8177-80	5.8	106
690	Organic Light-Emitting Devices Fabricated from Semiconducting Nanospheres. <i>Advanced Materials</i> , 2003 , 15, 800-804	24	106
689	Protein source and choice of anticoagulant decisively affect nanoparticle protein corona and cellular uptake. <i>Nanoscale</i> , 2016 , 8, 5526-36	7.7	105
688	Polymer micro- and nanocapsules as biological carriers with multifunctional properties. <i>Macromolecular Bioscience</i> , 2014 , 14, 458-77	5.5	105
687	Asymmetric Covalent Triazine Framework for Enhanced Visible-Light Photoredox Catalysis via Energy Transfer Cascade. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 8316-8320	16.4	104
686	Photocatalytic Selective Bromination of Electron-Rich Aromatic Compounds Using Microporous Organic Polymers with Visible Light. <i>ACS Catalysis</i> , 2016 , 6, 1113-1121	13.1	103
685	Hyperbranched unsaturated polyphosphates as a protective matrix for long-term photon upconversion in air. <i>Journal of the American Chemical Society</i> , 2014 , 136, 11057-64	16.4	101
684	Enzyme responsive hyaluronic acid nanocapsules containing polyhexanide and their exposure to bacteria to prevent infection. <i>Biomacromolecules</i> , 2013 , 14, 1103-12	6.9	101
683	Specific effects of surface amines on polystyrene nanoparticles in their interactions with mesenchymal stem cells. <i>Biomacromolecules</i> , 2010 , 11, 748-53	6.9	99
682	Inkjet printed surface cell light-emitting devices from a water-based polymer dispersion. <i>Organic Electronics</i> , 2008 , 9, 164-170	3.5	99
681	Polypeptoid-block-polypeptide copolymers: synthesis, characterization, and application of amphiphilic block Copolypept(o)ides in drug formulations and miniemulsion techniques. <i>Biomacromolecules</i> , 2014 , 15, 548-57	6.9	98
680	Carboxyl- and amino-functionalized polystyrene nanoparticles differentially affect the polarization profile of M1 and M2 macrophage subsets. <i>Biomaterials</i> , 2016 , 85, 78-87	15.6	97
679	One-step preparation of polyurethane dispersions by miniemulsion polyaddition. <i>Journal of Polymer Science Part A</i> , 2001 , 39, 2520-2524	2.5	94

678	Hybrid polymer latexes. <i>Progress in Polymer Science</i> , 2007 , 32, 1439-1461	29.6	93
677	Phase separation of binary blends in polymer nanoparticles. <i>Small</i> , 2007 , 3, 1041-8	11	93
676	Structural Studies of Nanophase-Separated Poly(2-hydroxyethyl methacrylate)-l-polyisobutylene Amphiphilic Conetworks by Solid-State NMR and Small-Angle X-ray Scattering. <i>Macromolecules</i> , 2003 , 36, 9107-9114	5.5	93
675	Encapsulation of self-healing agents in polymer nanocapsules. <i>Small</i> , 2012 , 8, 2954-8	11	90
674	Annihilation upconversion in cells by embedding the dye system in polymeric nanocapsules. <i>Macromolecular Bioscience</i> , 2011 , 11, 772-8	5.5	90
673	Porous Anatase Nanoparticles with High Specific Surface Area Prepared by Miniemulsion Technique. <i>Chemistry of Materials</i> , 2008 , 20, 5768-5780	9.6	89
672	Controlled Release from Polyurethane Nanocapsules via pH-, UV-Light- or Temperature-Induced Stimuli. <i>Macromolecules</i> , 2010 , 43, 5083-5093	5.5	87
671	Metastable and Stable Morphologies during Crystallization of Alkanes in Miniemulsion Droplets. <i>Langmuir</i> , 2003 , 19, 5996-6003	4	87
670	Regenerative nano-hybrid coating tailored for autonomous corrosion protection. <i>Advanced Materials</i> , 2015 , 27, 3825-30	24	86
669	TiO ₂ anatase nanoparticle networks: synthesis, structure, and electrochemical performance. <i>Small</i> , 2011 , 7, 1690-6	11	86
668	Weak hydrogen bonds as a structural motif for two-dimensional assemblies of oligopyridines on highly oriented pyrolytic graphite: an STM investigation. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 21015-27	2.4	86
667	Hollow nanoporous covalent triazine frameworks via acid vapor-assisted solid phase synthesis for enhanced visible light photoactivity. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 7555-7559	13	84
666	Protection of densely populated excited triplet state ensembles against deactivation by molecular oxygen. <i>Chemical Society Reviews</i> , 2016 , 45, 4668-89	58.5	83
665	Crystallization of Poly(ethylene oxide) Confined in Miniemulsion Droplets. <i>Macromolecules</i> , 2003 , 36, 4037-4041	5.5	83
664	The challenges of oral drug delivery via nanocarriers. <i>Drug Delivery</i> , 2018 , 25, 1694-1705	7	83
663	Amino-acid-based chiral nanoparticles for enantioselective crystallization. <i>Advanced Materials</i> , 2015 , 27, 2728-32	24	82
662	Coating nanoparticles with tunable surfactants facilitates control over the protein corona. <i>Biomaterials</i> , 2017 , 115, 1-8	15.6	82
661	Miniemulsion Polymerization as a Means to Encapsulate Organic and Inorganic Materials. <i>Advances in Polymer Science</i> , 2010 , 185-236	1.3	82

660	Encapsulation of Organic Pigment Particles Via Miniemulsion Polymerization. <i>Macromolecular Materials and Engineering</i> , 2007 , 292, 1111-1125	3.9	81
659	Synthesis of chitosan-stabilized polymer dispersions, capsules, and chitosan grafting products via miniemulsion. <i>Biomacromolecules</i> , 2002 , 3, 475-81	6.9	81
658	Kinetics of Miniemulsion Polymerization As Revealed by Calorimetry. <i>Macromolecules</i> , 2000 , 33, 4682-4689	5.9	81
657	Characterization of Interfaces in Core-Shell Polymers by Advanced Solid-State NMR Methods. <i>Macromolecules</i> , 1996 , 29, 5972-5980	5.5	81
656	Synthesis and optimization of gelatin nanoparticles using the miniemulsion process. <i>Biomacromolecules</i> , 2008 , 9, 2383-9	6.9	80
655	Anionic Polymerization of ϵ -Caprolactam in Miniemulsion: Synthesis and Characterization of Polyamide-6 Nanoparticles. <i>Macromolecules</i> , 2005 , 38, 6882-6887	5.5	80
654	Triplet-triplet annihilation upconversion based nanocapsules for bioimaging under excitation by red and deep-red light. <i>Macromolecular Bioscience</i> , 2013 , 13, 1422-30	5.5	79
653	Omeprazole inhibits proliferation and modulates autophagy in pancreatic cancer cells. <i>PLoS ONE</i> , 2011 , 6, e20143	3.7	79
652	Encapsulation by Miniemulsion Polymerization. <i>Advances in Polymer Science</i> , 2010 , 1-49	1.3	79
651	A conjugated porous poly-benzobisthiadiazole network for a visible light-driven photoredox reaction. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 18720-18724	13	78
650	Unsaturated Polyphosphoesters via Acyclic Diene Metathesis Polymerization. <i>Macromolecules</i> , 2012 , 45, 8511-8518	5.5	78
649	Dual Stimuli-Responsive Poly(2-hydroxyethyl methacrylate-co-methacrylic acid) Microgels Based on Photo-Cleavable Cross-Linkers: pH-Dependent Swelling and Light-Induced Degradation. <i>Macromolecules</i> , 2011 , 44, 9758-9772	5.5	78
648	Specific effects of surface carboxyl groups on anionic polystyrene particles in their interactions with mesenchymal stem cells. <i>Nanoscale</i> , 2011 , 3, 2028-35	7.7	77
647	Micellar carrier for triplet-triplet annihilation-assisted photon energy upconversion in a water environment. <i>New Journal of Physics</i> , 2011 , 13, 083035	2.9	77
646	Suppressing unspecific cell uptake for targeted delivery using hydroxyethyl starch nanocapsules. <i>Biomacromolecules</i> , 2012 , 13, 2704-15	6.9	76
645	Ordered arrays of gold nanostructures from interfacially assembled Au@PNIPAM hybrid nanoparticles. <i>Langmuir</i> , 2012 , 28, 8985-93	4	75
644	Concentration and Coverage Dependent Adlayer Structures: From Two-Dimensional Networks to Rotation in a Bearing. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 1268-1277	3.8	74
643	Synthesis and biomedical applications of functionalized fluorescent and magnetic dual reporter nanoparticles as obtained in the miniemulsion process. <i>Journal of Physics Condensed Matter</i> , 2006 , 18, S2581-S2594	1.8	73

642	Disposition of charged nanoparticles after their topical application to the skin. <i>Skin Pharmacology and Physiology</i> , 2010 , 23, 117-23	3	72
641	Plasmon hybridization in stacked double crescents arrays fabricated by colloidal lithography. <i>Nano Letters</i> , 2011 , 11, 446-54	11.5	72
640	Targeted lipid-coated nanoparticles: delivery of tumor necrosis factor-functionalized particles to tumor cells. <i>Journal of Controlled Release</i> , 2009 , 137, 69-77	11.7	72
639	Polymeric nanocapsules containing an antiseptic agent obtained by controlled nanoprecipitation onto water-in-oil miniemulsion droplets. <i>Macromolecular Bioscience</i> , 2006 , 6, 33-40	5.5	72
638	Toward Artificial Mitochondrion: Mimicking Oxidative Phosphorylation in Polymer and Hybrid Membranes. <i>Nano Letters</i> , 2017 , 17, 6816-6821	11.5	71
637	Structural Design Principle of Small-Molecule Organic Semiconductors for Metal-Free, Visible-Light-Promoted Photocatalysis. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 9783-7	16.4	71
636	Recent developments in miniemulsions I formation and stability mechanisms. <i>Macromolecular Symposia</i> , 2000 , 150, 171-178	0.8	71
635	Morphology-Controlled Synthesis of Lignin Nanocarriers for Drug Delivery and Carbon Materials. <i>ACS Biomaterials Science and Engineering</i> , 2017 , 3, 2375-2383	5.5	69
634	Surface-Functionalized Polymeric Nanoparticles as Templates for Biomimetic Mineralization of Hydroxyapatite. <i>Chemistry of Materials</i> , 2009 , 21, 2218-2225	9.6	69
633	Biomimetic Hydroxyapatite Crystallization in Gelatin Nanoparticles Synthesized Using a Miniemulsion Process. <i>Advanced Functional Materials</i> , 2008 , 18, 2221-2227	15.6	69
632	Inorganic nanoparticles prepared in miniemulsion. <i>Current Opinion in Colloid and Interface Science</i> , 2012 , 17, 212-224	7.6	68
631	Photo-sensitive PMMA microgels: light-triggered swelling and degradation. <i>Soft Matter</i> , 2011 , 7, 1426-1440	14.0	68
630	Protein corona composition of poly(ethylene glycol)- and poly(phosphoester)-coated nanoparticles correlates strongly with the amino acid composition of the protein surface. <i>Nanoscale</i> , 2017 , 9, 2138-2144	7.7	67
629	Amino-functionalized nanoparticles as inhibitors of mTOR and inducers of cell cycle arrest in leukemia cells. <i>Biomaterials</i> , 2014 , 35, 1944-53	15.6	67
628	Design and characterization of functionalized silica nanocontainers for self-healing materials. <i>Journal of Materials Chemistry</i> , 2012 , 22, 2286-2291		67
627	All Organic Nanofibers As Ultralight Versatile Support for Triplet-Triplet Annihilation Upconversion.. <i>ACS Macro Letters</i> , 2013 , 2, 446-450	6.6	67
626	Hydrophilicity Regulates the Stealth Properties of Polyphosphoester-Coated Nanocarriers. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 5548-5553	16.4	66
625	Mass spectrometry and imaging analysis of nanoparticle-containing vesicles provide a mechanistic insight into cellular trafficking. <i>ACS Nano</i> , 2014 , 8, 10077-88	16.7	66

624	Polyester synthesis in aqueous miniemulsion. <i>Polymer</i> , 2003 , 44, 2833-2841	3.9	66
623	Polymers designed to control nucleation and growth of inorganic crystals from aqueous media. <i>Macromolecular Symposia</i> , 2001 , 175, 349-356	0.8	66
622	Isothermal titration calorimetry as a complementary method for investigating nanoparticle-protein interactions. <i>Nanoscale</i> , 2019 , 11, 19265-19273	7.7	66
621	Heterophase Photocatalysts from Water-Soluble Conjugated Polyelectrolytes: An Example of Self-Initiation under Visible Light. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 14549-53	16.4	65
620	Incorporation of nanoparticles into polymersomes: size and concentration effects. <i>ACS Nano</i> , 2012 , 6, 7254-62	16.7	65
619	Synthesis of Inorganic and Metallic Nanoparticles by Miniemulsification of Molten Salts and Metals. <i>Chemistry of Materials</i> , 2001 , 13, 4681-4685	9.6	65
618	Surface-active monomer as a stabilizer for polyurea nanocapsules synthesized via interfacial polyaddition in inverse miniemulsion. <i>Langmuir</i> , 2009 , 25, 12084-91	4	64
617	Enzymatic Polymerization towards Biodegradable Polyester Nanoparticles. <i>Macromolecular Rapid Communications</i> , 2003 , 24, 512-516	4.8	64
616	Fibrous Nanozyme Dressings with Catalase-Like Activity for HO Reduction To Promote Wound Healing. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 38024-38031	9.5	63
615	Efficient Nanofibrous Membranes for Antibacterial Wound Dressing and UV Protection. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 29915-29922	9.5	63
614	pH-Sensitive Nanocapsules with Barrier Properties: Fragrance Encapsulation and Controlled Release. <i>Macromolecules</i> , 2014 , 47, 5768-5773	5.5	63
613	Wetting on the microscale: shape of a liquid drop on a microstructured surface at different length scales. <i>Langmuir</i> , 2012 , 28, 8392-8	4	63
612	Exploiting the biomolecular corona: pre-coating of nanoparticles enables controlled cellular interactions. <i>Nanoscale</i> , 2018 , 10, 10731-10739	7.7	63
611	Advanced stimuli-responsive polymer nanocapsules with enhanced capabilities for payloads delivery. <i>Polymer Chemistry</i> , 2015 , 6, 4197-4205	4.9	62
610	Cellulose nanofiber/nanocrystal reinforced capsules: a fast and facile approach toward assembly of liquid-core capsules with high mechanical stability. <i>Biomacromolecules</i> , 2014 , 15, 1852-9	6.9	61
609	Using the polymeric ouzo effect for the preparation of polysaccharide-based nanoparticles. <i>Langmuir</i> , 2013 , 29, 8845-55	4	61
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