

Andreas F ThÃ¼nemann

List of Publications by Year in descending order

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190
papers

11,113
citations

41627

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194
docs citations

194
times ranked

16243
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanism of Gold Nanoparticle Formation in the Classical Citrate Synthesis Method Derived from Coupled In Situ XANES and SAXS Evaluation. <i>Journal of the American Chemical Society</i> , 2010, 132, 1296-1301.	6.6	560
2	Characterisation of a novel solid lipid nanoparticle carrier system based on binary mixtures of liquid and solid lipids. <i>International Journal of Pharmaceutics</i> , 2000, 199, 167-177.	2.6	506
3	Polyelectrolyte-Surfactant Complexes: A New Type of Solid, Mesomorphous Material. <i>Macromolecules</i> , 1994, 27, 6007-6011.	2.2	475
4	<i>SASfit</i> : a tool for small-angle scattering data analysis using a library of analytical expressions. <i>Journal of Applied Crystallography</i> , 2015, 48, 1587-1598.	1.9	472
5	Mechanochemical Synthesis of Metal-Organic Frameworks: A Fast and Facile Approach toward Quantitative Yields and High Specific Surface Areas. <i>Chemistry of Materials</i> , 2010, 22, 5216-5221.	3.2	445
6	Nucleation and Growth of Gold Nanoparticles Studied <i>via in situ</i> Small Angle X-ray Scattering at Millisecond Time Resolution. <i>ACS Nano</i> , 2010, 4, 1076-1082.	7.3	363
7	Polyelectrolyte Complexes. <i>Advances in Polymer Science</i> , 0, , 113-171.	0.4	325
8	Oral bioavailability of cyclosporine: Solid lipid nanoparticles (SLN [®]) versus drug nanocrystals. <i>International Journal of Pharmaceutics</i> , 2006, 317, 82-89.	2.6	288
9	Multicompartment Micelles Formed by Self-Assembly of Linear ABC Triblock Copolymers in Aqueous Medium. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 5262-5265.	7.2	285
10	Size dependent catalysis with CTAB-stabilized gold nanoparticles. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 9343.	1.3	248
11	Polyelectrolyte-surfactant complexes (synthesis, structure and materials aspects). <i>Progress in Polymer Science</i> , 2002, 27, 1473-1572.	11.8	232
12	Catalytic Reduction of 4-Nitrophenol Using Silver Nanoparticles with Adjustable Activity. <i>Langmuir</i> , 2016, 32, 7383-7391.	1.6	232
13	Effects of Silver Nanoparticles on Primary Mixed Neural Cell Cultures: Uptake, Oxidative Stress and Acute Calcium Responses. <i>Toxicological Sciences</i> , 2012, 126, 457-468.	1.4	206
14	Maghemite Nanoparticles Protectively Coated with Poly(ethylene imine) and Poly(ethylene Terephthalate). <i>Journal of Applied Crystallography</i> , 2011, 44, 1190-1195.	1.6	190
15	Cyclosporine-loaded solid lipid nanoparticles (SLN [®]): Drug-lipid physicochemical interactions and characterization of drug incorporation. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2008, 68, 535-544.	2.0	187
16	<i>McSAS</i> : software for the retrieval of model parameter distributions from scattering patterns. <i>Journal of Applied Crystallography</i> , 2015, 48, 962-969.	1.9	158
17	Compact pnCCD-Based X-ray Camera with High Spatial and Energy Resolution: A Color X-ray Camera. <i>Analytical Chemistry</i> , 2011, 83, 2532-2538.	3.2	131
18	Control of Imine Exchange Kinetics with Photoswitches to Modulate Self-Healing in Polysiloxane Networks by Light Illumination. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 13882-13886.	7.2	123

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19	Impact of food components during in vitro digestion of silver nanoparticles on cellular uptake and cytotoxicity in intestinal cells. <i>Biological Chemistry</i> , 2015, 396, 1255-1264.	1.2	116
20	Microvoids in Polyacrylonitrile Fibers: A Small-Angle X-ray Scattering Study. <i>Macromolecules</i> , 2000, 33, 1848-1852.	2.2	109
21	Influence of fluorinated and hydrogenated nanoparticles on the structure and fibrillogenesis of amyloid beta-peptide. <i>Biophysical Chemistry</i> , 2008, 137, 35-42.	1.5	106
22	Analytically monitored digestion of silver nanoparticles and their toxicity on human intestinal cells. <i>Nanotoxicology</i> , 2014, 8, 631-642.	1.6	105
23	Complexation of lecithin with cationic polyelectrolytes: "Plastic membranes" as models for the structure of the cell membrane?. <i>Langmuir</i> , 1995, 11, 2633-2638.	1.6	102
24	Nanoscale reference materials for environmental, health and safety measurements: needs, gaps and opportunities. <i>Nanotoxicology</i> , 2013, 7, 1325-1337.	1.6	98
25	±-Helical-within-Discotic Columnar Structures of a Complex between Poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 50 Society, 2003, 125, 352-356.	6.6	93
26	Application of Laser Postionization Secondary Neutral Mass Spectrometry/Time-of-Flight Secondary Ion Mass Spectrometry in Nanotoxicology: Visualization of Nanosilver in Human Macrophages and Cellular Responses. <i>ACS Nano</i> , 2011, 5, 3059-3068.	7.3	91
27	The "Egg-Carton" Phase: A New Morphology of Complexes of Polyelectrolytes with Natural Lipid Mixtures. <i>Langmuir</i> , 1996, 12, 2111-2114.	1.6	87
28	Structure-Property Relationships of Nanocomposites Based on Polypropylene and Layered Double Hydroxides. <i>Macromolecules</i> , 2011, 44, 4342-4354.	2.2	87
29	Conditional repair by locally switching the thermal healing capability of dynamic covalent polymers with light. <i>Nature Communications</i> , 2016, 7, 13623.	5.8	87
30	Temperature Response of Self-Assembled Micelles of Telechelic Hydrophobically Modified Poly(2-alkyl-2-oxazoline)s in Water. <i>Macromolecules</i> , 2009, 42, 2204-2214.	2.2	86
31	Two-Compartment Micellar Assemblies Obtained via Aqueous Self-Organization of Synthetic Polymer Building Blocks. <i>Langmuir</i> , 2006, 22, 2506-2510.	1.6	85
32	Peptide-Coated Silver Nanoparticles: Synthesis, Surface Chemistry, and pH-Triggered, Reversible Assembly into Particle Assemblies. <i>Chemistry - A European Journal</i> , 2009, 15, 5831-5844.	1.7	85
33	The modular small-angle X-ray scattering data correction sequence. <i>Journal of Applied Crystallography</i> , 2017, 50, 1800-1811.	1.9	82
34	Highly ordered materials with ultra-low surface energies: Polyelectrolyte-surfactant, complexes with fluorinated surfactants. <i>Advanced Materials</i> , 1996, 8, 41-45.	11.1	80
35	Protein refolding is required for assembly of the type three secretion needle. <i>Nature Structural and Molecular Biology</i> , 2010, 17, 788-792.	3.6	79
36	Poly(ethylene oxide)-b-poly(L-lysine) Complexes with Retinoic Acid. <i>Macromolecules</i> , 2000, 33, 5906-5911.	2.2	76

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37	Effect of Different Drying Methods on Nutrient Quality of the Yellow Mealworm (<i>Tenebrio molitor</i>) Tj ETQq1 1 0.784314 rgBT/Overlo	1.0	75
38	Effect of particle size and Debye length on order parameters of colloidal silica suspensions under confinement. <i>Soft Matter</i> , 2011, 7, 10899.	1.2	69
39	Cytotoxicity of peptide-coated silver nanoparticles on the human intestinal cell line Caco-2. <i>Archives of Toxicology</i> , 2012, 86, 1107-1115.	1.9	67
40	Preparation by controlled radical polymerization and self-assembly via base-recognition of synthetic polymers bearing complementary nucleobases. <i>Journal of Polymer Science Part A</i> , 2005, 43, 4805-4818.	2.5	65
41	Structure analysis using acoustically levitated droplets. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 391, 1221-1228.	1.9	65
42	Polyethylenimine Complexes with Retinoic Acid: Structure, Release Profiles, and Nanoparticles. <i>Macromolecules</i> , 2000, 33, 6878-6885.	2.2	64
43	Strong anion effects on gold nanoparticle formation in ionic liquids. <i>Journal of Materials Chemistry</i> , 2010, 20, 1332-1339.	6.7	63
44	Nanoparticle size distribution quantification: results of a small-angle X-ray scattering inter-laboratory comparison. <i>Journal of Applied Crystallography</i> , 2017, 50, 1280-1288.	1.9	63
45	Solution Behavior of Double-Hydrophilic Block Copolymers in Dilute Aqueous Solution. <i>Macromolecules</i> , 2012, 45, 4772-4777.	2.2	62
46	Low Surface Energy Coatings from Waterborne Nano-Dispersions of Polymer Complexes. <i>Advanced Materials</i> , 1999, 11, 321-324.	11.1	59
47	Structure-property relationships of nanocomposites based on polylactide and MgAl layered double hydroxides. <i>European Polymer Journal</i> , 2015, 68, 338-354.	2.6	59
48	DNA-like Melting of Adenine- and Thymine-Functionalized Synthetic Copolymers. <i>Macromolecules</i> , 2005, 38, 8124-8126.	2.2	58
49	Cylindrical Micelles of Fluorocarbon-hydrocarbon End-Capped Poly(N-acylethylene Imine)s. <i>Langmuir</i> , 2005, 21, 7214-7219.	1.6	56
50	Silicification of Peptide-Coated Silver Nanoparticles: A Biomimetic Soft Chemistry Approach toward Chiral Hybrid Core-Shell Materials. <i>ACS Nano</i> , 2011, 5, 820-833.	7.3	55
51	Complexes of Polyethylenimine with Perfluorinated Carboxylic Acids: Wettability of Lamellar Structured Mesophases. <i>Langmuir</i> , 2000, 16, 824-828.	1.6	54
52	Poly(ethylene imine)n-Alkyl Carboxylate Complexes. <i>Langmuir</i> , 2000, 16, 9634-9638.	1.6	53
53	Characterization of Silver Nanoparticles in Cell Culture Medium Containing Fetal Bovine Serum. <i>Langmuir</i> , 2015, 31, 6842-6852.	1.6	53
54	Nanostructured Dihexadecyldimethylammonium-Poly(1,4-phenylene-ethynylene-carboxylate): An Ionic Complex with Blue Electroluminescence. <i>Advanced Materials</i> , 1999, 11, 127-130.	11.1	50

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55	Electroluminescent Polyelectrolyte-Surfactant Complexes. <i>Langmuir</i> , 2001, 17, 5098-5102.	1.6	50
56	Poly(ethylene oxide)-b-poly(ethylene imine) Dodecanoate Complexes: Lamellar-within-lamellar Morphologies and Nanoparticles. <i>Macromolecules</i> , 2001, 34, 6978-6984.	2.2	49
57	Structure of a Liquid Crystalline Metallosupramolecular Polyelectrolyte-Amphiphile Complex at the Nanoscopic Level. <i>Langmuir</i> , 2003, 19, 4055-4057.	1.6	49
58	Mechanistic insights into seeded growth processes of gold nanoparticles. <i>Nanoscale</i> , 2010, 2, 2463.	2.8	49
59	Polyelectrolyte-lipid complexes as membrane mimetic systems. <i>Current Opinion in Colloid and Interface Science</i> , 1996, 1, 667-671.	3.4	47
60	Supramolecular architecture of a functionalized hexabenzocoronene and its complex with polyethyleneimine. <i>Journal of Materials Chemistry</i> , 1999, 9, 1055-1057.	6.7	46
61	The size distribution of 'gold standard' nanoparticles. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 395, 1651-1660.	1.9	46
62	Agglomeration of proteins in acoustically levitated droplets. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 392, 161-165.	1.9	45
63	In Situ Analysis of a Bimodal Size Distribution of Superparamagnetic Nanoparticles. <i>Analytical Chemistry</i> , 2009, 81, 296-301.	3.2	45
64	Impact of an Artificial Digestion Procedure on Aluminum-Containing Nanomaterials. <i>Langmuir</i> , 2017, 33, 10726-10735.	1.6	45
65	Uronic acids functionalized polyethyleneimine (PEI)-polyethyleneglycol (PEG)-graft-copolymers as novel synthetic gene carriers. <i>Biomaterials</i> , 2006, 27, 2302-2312.	5.7	44
66	Ostwald Ripening Growth Mechanism of Gold Nanotriangles in Vesicular Template Phases. <i>Langmuir</i> , 2016, 32, 10928-10935.	1.6	44
67	The solid-state architecture of a metallosupramolecular polyelectrolyte. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 10202-10206.	3.3	43
68	SAXS in combination with a free liquid jet for improved time-resolved in situ studies of the nucleation and growth of nanoparticles. <i>Chemical Communications</i> , 2010, 46, 9209.	2.2	42
69	Surface and Solid-State Properties of a Fluorinated Polyelectrolyte-Surfactant Complex. <i>Langmuir</i> , 1999, 15, 4867-4874.	1.6	41
70	Long-range ordered columns of a hexabenzob[bc,ef,hi,kl,no,qr]coronene-polysiloxane complex: towards molecular nanowires. <i>Journal of Materials Chemistry</i> , 2000, 10, 1325-1329.	6.7	40
71	On the role of surface composition and curvature on biointerface formation and colloidal stability of nanoparticles in a protein-rich model system. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 108, 110-119.	2.5	40
72	Adsorption of Amyloid β -Peptide at Polymer Surfaces: A Neutron Reflectivity Study. <i>ChemPhysChem</i> , 2005, 6, 2527-2534.	1.0	39

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73	Human Serum Albumin on Fluorinated Surfaces. <i>Langmuir</i> , 2003, 19, 7544-7550.	1.6	38
74	Arrangement of layered double hydroxide in a polyethylene matrix studied by a combination of complementary methods. <i>Polymer</i> , 2012, 53, 2245-2254.	1.8	38
75	Lamellar Structured Nanoparticles Formed by Complexes of a Cationic Block Copolymer and Perfluorodecanoic Acid. <i>Macromolecules</i> , 2006, 39, 9337-9345.	2.2	37
76	Self-Assembly of Perfluorodecanoic Acid with Cationic Copolymers: Ultra-Low Energy Surfaces and Mesomorphous Structures. <i>Langmuir</i> , 1998, 14, 4898-4903.	1.6	36
77	Stable Iron Carbide Nanoparticle Dispersions in [Emim][SCN] and [Emim][N(CN) ₂] Ionic Liquids. <i>Langmuir</i> , 2010, 26, 10600-10605.	1.6	36
78	SAXS analysis of single- and multi-core iron oxide magnetic nanoparticles. <i>Journal of Applied Crystallography</i> , 2017, 50, 481-488.	1.9	36
79	Monitoring the fate of small silver nanoparticles during artificial digestion. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 526, 76-81.	2.3	36
80	Characterization of aluminum, aluminum oxide and titanium dioxide nanomaterials using a combination of methods for particle surface and size analysis. <i>RSC Advances</i> , 2018, 8, 14377-14388.	1.7	36
81	pH-sensitive nanoparticles of poly(amino acid) dodecanoate complexes. <i>International Journal of Pharmaceutics</i> , 2001, 230, 11-24.	2.6	35
82	Characterization of poly(N-vinyl-2-pyrrolidone)s with broad size distributions. <i>Polymer</i> , 2010, 51, 1723-1727.	1.8	35
83	High-Speed but Not Magic: Microwave-Assisted Synthesis of Ultra-Small Silver Nanoparticles. <i>Langmuir</i> , 2018, 34, 147-153.	1.6	35
84	Protein Corona Analysis of Silver Nanoparticles Links to Their Cellular Effects. <i>Journal of Proteome Research</i> , 2017, 16, 4020-4034.	1.8	34
85	Synthesis and characterization of non-spherical gold colloids in block-copolymer micelles. <i>Colloid and Polymer Science</i> , 1996, 274, 795-800.	1.0	32
86	Real-Time Monitoring of Copolymer Stabilized Growing Gold Nanoparticles. <i>Langmuir</i> , 2010, 26, 5889-5894.	1.6	32
87	The presence of iron oxide nanoparticles in the food pigment E172. <i>Food Chemistry</i> , 2020, 327, 127000.	4.2	31
88	Lamellar Mesophases in Polyacrylonitrile: A Synchrotron Small-Angle X-ray Scattering Study. <i>Macromolecules</i> , 2000, 33, 2626-2631.	2.2	30
89	Nanoparticles of a polyelectrolyte-fatty acid complex: carriers for Q10 and triiodothyronine. <i>Journal of Controlled Release</i> , 2001, 75, 237-247.	4.8	30
90	Characterization of New Amphiphilic Block Copolymers of N-Vinylpyrrolidone and Vinyl Acetate, 2-Chromatographic Separation and Analysis by MALDI-TOF and FT-IR Coupling. <i>Macromolecular Chemistry and Physics</i> , 2010, 211, 1678-1688.	1.1	30

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91	Thin Layers of Columns of an Amphiphilic Hexa-peri-hexabenzocoronene at Silicon Wafer Surfaces. <i>Langmuir</i> , 2003, 19, 5036-5041.	1.6	29
92	Alternating perpendicular 1-D channels in the supramolecular structure of the copper(II) complex [Cu(pyterpy) ₂](PF ₆) ₂ ·CH ₃ OH·0.5 CH ₂ Cl ₂ (pyterpy=4-(4-(2-pyridyl)-2,6-terpyridine)). <i>Inorganic Chemistry Communications</i> , 2005, 8, 281-284.	1.8	29
93	Hyperbranched poly(amidoamine)/kaolinite nanocomposites: Structure and charge carrier dynamics. <i>Polymer</i> , 2017, 121, 64-74.	1.8	29
94	It takes more than a coating to get nanoparticles through the intestinal barrier in vitro. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2017, 118, 21-29.	2.0	29
95	Microwave-Assisted Synthesis of Ultrasmall Zinc Oxide Nanoparticles. <i>Langmuir</i> , 2019, 35, 12469-12482.	1.6	29
96	Ultrathin Solid Polyelectrolyte-Surfactant Complex Films: Structure and Wetting. <i>Langmuir</i> , 2000, 16, 8562-8567.	1.6	28
97	H-Bonding-Directed Self-Assembly of Synthetic Copolymers Containing Nucleobases: Organization and Colloidal Fusion in a Noncompetitive Solvent. <i>Langmuir</i> , 2006, 22, 7411-7415.	1.6	28
98	Protein decorated membranes by specific molecular interactions. <i>Soft Matter</i> , 2010, 6, 2815.	1.2	28
99	Elucidation of the structure of poly(β -benzyl-L-glutamate) nanofibers and gel networks in a helicogenic solvent. <i>Colloid and Polymer Science</i> , 2013, 291, 1353-1363.	1.0	28
100	Environmental Impact of ZnO Nanoparticles Evaluated by in Vitro Simulated Digestion. <i>ACS Applied Nano Materials</i> , 2020, 3, 724-733.	2.4	28
101	Proteomic responses of human intestinal Caco-2 cells exposed to silver nanoparticles and ionic silver. <i>Journal of Applied Toxicology</i> , 2016, 36, 404-413.	1.4	27
102	Polyampholyte-Dressed Micelles of Fluorinated and Hydrogenated Dodecanoic Acid. <i>Langmuir</i> , 2002, 18, 5099-5105.	1.6	26
103	Nanoscope Structure of a Metallo-supramolecular Polyelectrolyte-Amphiphile Complex, Elucidated by X-ray Scattering and Molecular Modeling. <i>ChemPhysChem</i> , 2003, 4, 1095-1100.	1.0	26
104	The use of an acoustic levitator to follow crystallization in small droplets by energy-dispersive X-ray diffraction. <i>Journal of Applied Crystallography</i> , 2006, 39, 771-773.	1.9	26
105	Structure and end-group analysis of complex hexanediol-neopentylglycol-adipic acid copolyesters by matrix-assisted laser desorption/ionization collision-induced dissociation tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2009, 23, 2768-2774.	0.7	26
106	Multivalent grafting of hyperbranched oligo- and polyglycerols shielding rough membranes to mediate hemocompatibility. <i>Journal of Materials Chemistry B</i> , 2014, 2, 3626-3635.	2.9	26
107	Structure-Property Relationships of Nanocomposites Based on Polylactide and Layered Double Hydroxides - Comparison of MgAl and NiAl LDH as Nanofiller. <i>Macromolecular Chemistry and Physics</i> , 2017, 218, 1700232.	1.1	26
108	Rigid-Rod Complex of a Cationic Poly(p-phenylene) and a Fluorinated Amphiphile. <i>Macromolecules</i> , 2000, 33, 2124-2128.	2.2	25

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109	Poly(ethylene oxide)-block-poly(glutamic acid) coated maghemite nanoparticles:in vitro characterization and in vivo behaviour. Nanotechnology, 2007, 18, 115710.	1.3	25
110	Amphiphilic Folded Dendrimer Discs and Their Thermosensitive Self-Assembly in Water. Chemistry - A European Journal, 2012, 18, 5837-5842.	1.7	25
111	Superparamagnetic Maghemite Nanorods: Analysis by Coupling Field-Flow Fractionation and Small-Angle X-ray Scattering. Analytical Chemistry, 2008, 80, 5905-5911.	3.2	24
112	Structure-Property Relationships of Hyperbranched Polymer/Kaolinite Nanocomposites. Macromolecules, 2015, 48, 6562-6573.	2.2	24
113	How temperature determines formation of maghemite nanoparticles. Journal of Magnetism and Magnetic Materials, 2015, 380, 163-167.	1.0	24
114	Uptake and molecular impact of aluminum-containing nanomaterials on human intestinal caco-2 cells. Nanotoxicology, 2018, 12, 992-1013.	1.6	24
115	Layered Nanoarchitecture of a Fluorescent Polyelectrolyte Complex. Langmuir, 2000, 16, 3221-3226.	1.6	23
116	Self-Assembly of Solid Polyelectrolyte-Silicon-Surfactant Complexes. Langmuir, 1998, 14, 6220-6225.	1.6	22
117	Immobilization of Retinoic Acid by Polyamino Acids: A Lamellar-Structured Nanoparticles. Langmuir, 2000, 16, 850-857.	1.6	22
118	Low surface energy polysiloxane complexes. Journal of Materials Chemistry, 2001, 11, 381-384.	6.7	22
119	New insights of the nucleation and growth process of gold nanoparticles via in situ coupling of SAXS and XANES. Journal of Physics: Conference Series, 2010, 247, 012051.	0.3	22
120	In operando XAFS experiments on flexible electrochromic devices based on Fe(II)-metallo-supramolecular polyelectrolytes and vanadium oxide. Solar Energy Materials and Solar Cells, 2016, 147, 61-67.	3.0	22
121	Undulated Gold Nanoplatelet Superstructures: In Situ Growth of Hemispherical Gold Nanoparticles onto the Surface of Gold Nanotriangles. Langmuir, 2018, 34, 4584-4594.	1.6	22
122	Nano-structured materials with low surface energies formed by polyelectrolytes and fluorinated amphiphiles (PEFA). Polymer International, 2000, 49, 636-644.	1.6	21
123	Dielectric Relaxation of Polyacrylonitrile in Its Pristine and Cyclized Stage. Macromolecules, 2000, 33, 1790-1795.	2.2	21
124	Thyroid hormone (T3)-modification of polyethyleneglycol (PEG)-polyethyleneimine (PEI) graft copolymers for improved gene delivery to hepatocytes. Biomaterials, 2007, 28, 1900-1911.	5.7	21
125	Characterization of New Amphiphilic Block Copolymers of N-Vinyl Pyrrolidone and Vinyl Acetate, 1. Analysis of Copolymer Composition, End Groups, Molar Masses and Molar Mass Distributions. Macromolecular Chemistry and Physics, 2010, 211, 869-878.	1.1	20
126	Immobilization of Retinoic Acid by Cationic Polyelectrolytes. Langmuir, 1997, 13, 6040-6046.	1.6	19

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127	Bond length contraction in gold nanoparticles. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 398, 1967-1972.	1.9	19
128	Investigations of Host-Guest Interactions with Shape-Persistent Nonionic Dendritic Micelles. <i>Journal of Physical Chemistry C</i> , 2013, 117, 12307-12317.	1.5	19
129	Self-Assembled Complexes of Diazosulfonate Polymers with Low Surface Energies. <i>Macromolecules</i> , 1999, 32, 7414-7421.	2.2	18
130	Diazosulfonate Polymer Complexes: Structure and Wettability. <i>Macromolecules</i> , 2000, 33, 5665-5671.	2.2	18
131	Dosimetric Quantification of Coating-Related Uptake of Silver Nanoparticles. <i>Langmuir</i> , 2017, 33, 13087-13097.	1.6	17
132	Comparative proteomic analysis of hepatic effects induced by nanosilver, silver ions and nanoparticle coating in rats. <i>Food and Chemical Toxicology</i> , 2018, 113, 255-266.	1.8	17
133	Online coupling of field-flow fractionation with SAXS and DLS for polymer analysis. <i>Analytical Methods</i> , 2009, 1, 177.	1.3	16
134	TOF-SIMS analysis of cell membrane changes in functional impaired human macrophages upon nanosilver treatment. <i>Surface and Interface Analysis</i> , 2013, 45, 483-485.	0.8	16
135	Hydrodynamic and magnetic fractionation of superparamagnetic nanoparticles for magnetic particle imaging. <i>Journal of Magnetism and Magnetic Materials</i> , 2015, 380, 266-270.	1.0	16
136	Superparamagnetic core-shell nanoparticles as solid supports for peptide synthesis. <i>Chemical Communications</i> , 2012, 48, 7176.	2.2	15
137	Core-Shell Structures of Oligosaccharide-Functionalized Hyperbranched Poly(ethylene imines). <i>Macromolecular Chemistry and Physics</i> , 2012, 213, 2362-2369.	1.1	15
138	ToF-SIMS and Laser-SNMS analysis of macrophages after exposure to silver nanoparticles. <i>Surface and Interface Analysis</i> , 2013, 45, 286-289.	0.8	15
139	Beyond microplastics - investigation on health impacts of submicron and nanoplastic particles after oral uptake in vitro. <i>Microplastics and Nanoplastics</i> , 2022, 2, .	4.1	15
140	Hollow nanoparticles via stepwise complexation and selective decomplexation of poly(ethylene Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 2. PEO-b-PMAA-(PO ₃ H ₂) ₂ , (polymer C). See http://www.rsc.org/suppdata/cc/b1/b110786k/ . <i>Chemical Communications</i> , 2002, , 534-535.	2.2	14
141	Processing nanoparticles with A4F-SAXS for toxicological studies: Iron oxide in cell-based assays. <i>Journal of Chromatography A</i> , 2011, 1218, 4160-4166.	1.8	14
142	Nitric acid-stabilized superparamagnetic iron oxide nanoparticles studied with X-rays. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	0.8	14
143	Thermally induced structural rearrangement of the Fe(II) coordination geometry in metallo-supramolecular polyelectrolytes. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 19694-19701.	1.3	14
144	Intestinal and hepatic effects of iron oxide nanoparticles. <i>Archives of Toxicology</i> , 2021, 95, 895-905.	1.9	14

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145	The Conformation of B18 Peptide in the Presence of Fluorinated and Alkylated Nanoparticles. <i>ChemBioChem</i> , 2005, 6, 280-283.	1.3	13
146	The Impact of Halogenated Phenylalanine Derivatives on NFGAIL Amyloid Formation. <i>ChemBioChem</i> , 2020, 21, 3544-3554.	1.3	13
147	Colloidal Complexes of Perfluorooctadecanoic Acid with Cationic Copolymers. <i>Langmuir</i> , 1999, 15, 6724-6727.	1.6	12
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