Andreas F ThÃ¼nemann

List of Publications by Year
in descending order

190 papers	11,113 citations	36303 51 h-index	36028 97 g-index
194 all docs	194 docs citations	194 times ranked	14397 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. Journal of the American Chemical Society, 2010, 132, 1296-1301.	13.7	560
2	Characterisation of a novel solid lipid nanoparticle carrier system based on binary mixtures of liquid and solid lipids. International Journal of Pharmaceutics, 2000, 199, 167-177.	5.2	506
3	Polyelectrolyte-Surfactant Complexes: A New Type of Solid, Mesomorphous Material. Macromolecules, 1994, 27, 6007-6011.	4.8	475
4	SASfit: a tool for small-angle scattering data analysis using a library of analytical expressions. Journal of Applied Crystallography, 2015, 48, 1587-1598.	4.5	472
5	Mechanochemical Synthesis of Metalâ"Organic Frameworks: A Fast and Facile Approach toward Quantitative Yields and High Specific Surface Areas. Chemistry of Materials, 2010, 22, 5216-5221.	6.7	445
6	Nucleation and Growth of Gold Nanoparticles Studied via in situ Small Angle X-ray Scattering at Millisecond Time Resolution. ACS Nano, 2010, 4, 1076-1082.	14.6	363
7	Polyelectrolyte Complexes. Advances in Polymer Science, 0, , 113-171.	0.8	325
8	Oral bioavailability of cyclosporine: Solid lipid nanoparticles (SLNÂ®) versus drug nanocrystals. International Journal of Pharmaceutics, 2006, 317, 82-89.	5.2	288
9	Multicompartment Micelles Formed by Self-Assembly of Linear ABC Triblock Copolymers in Aqueous Medium. Angewandte Chemie - International Edition, 2005, 44, 5262-5265.	13.8	285
10	Size dependent catalysis with CTAB-stabilized gold nanoparticles. Physical Chemistry Chemical Physics, 2012, 14, 9343.	2.8	248
11	Polyelectrolyteâ€"surfactant complexes (synthesis, structure and materials aspects). Progress in Polymer Science, 2002, 27, 1473-1572.	24.7	232
12	Catalytic Reduction of 4-Nitrophenol Using Silver Nanoparticles with Adjustable Activity. Langmuir, 2016, 32, 7383-7391.	3.5	232
13	Effects of Silver Nanoparticles on Primary Mixed Neural Cell Cultures: Uptake, Oxidative Stress and Acute Calcium Responses. Toxicological Sciences, 2012, 126, 457-468.	3.1	206
14	Maghemite Nanoparticles Protectively Coated with Poly(ethylene imine) and Poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 222 T	3.5	190
15	Cyclosporine-loaded solid lipid nanoparticles (SLNÂ®): Drugâ€"lipid physicochemical interactions and characterization of drug incorporation. European Journal of Pharmaceutics and Biopharmaceutics, 2008, 68, 535-544.	4.3	187
16	McSAS: software for the retrieval of model parameter distributions from scattering patterns. Journal of Applied Crystallography, 2015, 48, 962-969.	4.5	158
17	Compact pnCCD-Based X-ray Camera with High Spatial and Energy Resolution: A Color X-ray Camera. Analytical Chemistry, 2011, 83, 2532-2538.	6.5	131
18	Control of Imine Exchange Kinetics with Photoswitches to Modulate Selfâ€Healing in Polysiloxane Networks by Light Illumination. Angewandte Chemie - International Edition, 2016, 55, 13882-13886.	13.8	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. Biological Chemistry, 2015, 396, 1255-1264.	2.5	116
20	Microvoids in Polyacrylonitrile Fibers:Â A Small-Angle X-ray Scattering Study. Macromolecules, 2000, 33, 1848-1852.	4.8	109
21	Influence of fluorinated and hydrogenated nanoparticles on the structure and fibrillogenesis of amyloid beta-peptide. Biophysical Chemistry, 2008, 137, 35-42.	2.8	106
22	Analytically monitored digestion of silver nanoparticles and their toxicity on human intestinal cells. Nanotoxicology, 2014, 8, 631-642.	3.0	105
23	Complexation of lecithin with cationic polyelectrolytes: "Plastic membranes" as models for the structure of the cell membrane?. Langmuir, 1995, 11, 2633-2638.	3.5	102
24	Nanoscale reference materials for environmental, health and safety measurements: needs, gaps and opportunities. Nanotoxicology, 2013, 7, 1325-1337.	3.0	98
25	Î±-Helical-within-Discotic Columnar Structures of a Complex between Poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 507 Society, 2003, 125, 352-356.	13.7	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. ACS Nano, 2011, 5, 3059-3068.	14.6	91
27	The â€œEgg-Cartonâ€•Phase:Â A New Morphology of Complexes of Polyelectrolytes with Natural Lipid Mixtures. Langmuir, 1996, 12, 2111-2114.	3.5	87
28	Structureâ€“Property Relationships of Nanocomposites Based on Polypropylene and Layered Double Hydroxides. Macromolecules, 2011, 44, 4342-4354.	4.8	87
29	Conditional repair by locally switching the thermal healing capability of dynamic covalent polymers with light. Nature Communications, 2016, 7, 13623.	12.8	87
30	Temperature Response of Self-Assembled Micelles of Telechelic Hydrophobically Modified Poly(2-alkyl-2-oxazoline)s in Water. Macromolecules, 2009, 42, 2204-2214.	4.8	86
31	Two-Compartment Micellar Assemblies Obtained via Aqueous Self-Organization of Synthetic Polymer Building Blocks. Langmuir, 2006, 22, 2506-2510.	3.5	85
32	Peptideâ€Coated Silver Nanoparticles: Synthesis, Surface Chemistry, and pHâ€Triggered, Reversible Assembly into Particle Assemblies. Chemistry - A European Journal, 2009, 15, 5831-5844.	3.3	85
33	The modular small-angle X-ray scattering data correction sequence. Journal of Applied Crystallography, 2017, 50, 1800-1811.	4.5	82
34	Highly ordered materials with ultra-low surface energies: Polyelectrolyte-surfactant, complexes with fluorinated surfactants. Advanced Materials, 1996, 8, 41-45.	21.0	80
35	Protein refolding is required for assembly of the type three secretion needle. Nature Structural and Molecular Biology, 2010, 17, 788-792.	8.2	79
36	Poly(ethylene oxide)-b-poly(l-lysine) Complexes with Retinoic Acid. Macromolecules, 2000, 33, 5906-5911.	4.8	76

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37	Effect of Different Drying Methods on Nutrient Quality of the Yellow Mealworm (Tenebrio molitor) Tj ETQq1 1 0.784314 rgBT /Overlo	2.2	75
38	Effect of particle size and Debye length on order parameters of colloidal silica suspensions under confinement. Soft Matter, 2011, 7, 10899.	2.7	69
39	Cytotoxicity of peptide-coated silver nanoparticles on the human intestinal cell line Caco-2. Archives of Toxicology, 2012, 86, 1107-1115.	4.2	67
40	Preparation by controlled radical polymerization and self-assembly via base-recognition of synthetic polymers bearing complementary nucleobases. Journal of Polymer Science Part A, 2005, 43, 4805-4818.	2.3	65
41	Structure analysis using acoustically levitated droplets. Analytical and Bioanalytical Chemistry, 2008, 391, 1221-1228.	3.7	65
42	Polyethylenimine Complexes with Retinoic Acid:â€‰ Structure, Release Profiles, and Nanoparticles. Macromolecules, 2000, 33, 6878-6885.	4.8	64
43	Strong anion effects on gold nanoparticle formation in ionic liquids. Journal of Materials Chemistry, 2010, 20, 1332-1339.	6.7	63
44	Nanoparticle size distribution quantification: results of a small-angle X-ray scattering inter-laboratory comparison. Journal of Applied Crystallography, 2017, 50, 1280-1288.	4.5	63
45	Solution Behavior of Double-Hydrophilic Block Copolymers in Dilute Aqueous Solution. Macromolecules, 2012, 45, 4772-4777.	4.8	62
46	Low Surface Energy Coatings from Waterborne Nano-Dispersions of Polymer Complexes. Advanced Materials, 1999, 11, 321-324.	21.0	59
47	Structureâ€“property relationships of nanocomposites based on polylactide and MgAl layered double hydroxides. European Polymer Journal, 2015, 68, 338-354.	5.4	59
48	DNA-like â€œMeltingâ€•of Adenine- and Thymine-Functionalized Synthetic Copolymers. Macromolecules, 2005, 38, 8124-8126.	4.8	58
49	Cylindrical Micelles of Î±-Fluorocarbon-Ï‰-hydrocarbon End-Capped Poly(N-acylethylene Imine)s. Langmuir, 2005, 21, 7214-7219.	3.5	56
50	Silicification of Peptide-Coated Silver Nanoparticlesâ€”A Biomimetic Soft Chemistry Approach toward Chiral Hybrid Coreâ^'Shell Materials. ACS Nano, 2011, 5, 820-833.	14.6	55
51	Complexes of Polyethyleneimine with Perfluorinated Carboxylic Acids:Â Wettability of Lamellar Structured Mesophases. Langmuir, 2000, 16, 824-828.	3.5	54
52	Poly(ethylene imine)n-Alkyl Carboxylate Complexes. Langmuir, 2000, 16, 9634-9638.	3.5	53
53	Characterization of Silver Nanoparticles in Cell Culture Medium Containing Fetal Bovine Serum. Langmuir, 2015, 31, 6842-6852.	3.5	53
54	Nanostructured Dihexadecyldimethylammonium-Poly(1,4-phenylene-ethinylene-carboxylate): An Ionic Complex with Blue Electroluminescence. Advanced Materials, 1999, 11, 127-130.	21.0	50

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55	Electroluminescent Polyelectrolyteâ˜Surfactant Complexes. Langmuir, 2001, 17, 5098-5102.	3.5	50
56	Poly(ethylene oxide)-b-poly(ethylene imine) Dodecanoate Complexes:Â Lamellar-within-lamellar Morphologies and Nanoparticles. Macromolecules, 2001, 34, 6978-6984.	4.8	49
57	Structure of a Liquid Crystalline Metallosupramolecular Polyelectrolyteâ˜Amphiphile Complex at the Nanoscopic Level. Langmuir, 2003, 19, 4055-4057.	3.5	49
58	Mechanistic insights into seeded growth processes of gold nanoparticles. Nanoscale, 2010, 2, 2463.	5.6	49
59	Polyelectrolyte-lipid complexes as membrane mimetic systems. Current Opinion in Colloid and Interface Science, 1996, 1, 667-671.	7.4	47
60	Supramolecular architecture of a functionalized hexabenzocoronene and its complex with polyethyleneimine. Journal of Materials Chemistry, 1999, 9, 1055-1057.	6.7	46
61	The size distribution of 'gold standard' nanoparticles. Analytical and Bioanalytical Chemistry, 2009, 395, 1651-1660.	3.7	46
62	Agglomeration of proteins in acoustically levitated droplets. Analytical and Bioanalytical Chemistry, 2008, 392, 161-165.	3.7	45
63	In Situ Analysis of a Bimodal Size Distribution of Superparamagnetic Nanoparticles. Analytical Chemistry, 2009, 81, 296-301.	6.5	45
64	Impact of an Artificial Digestion Procedure on Aluminum-Containing Nanomaterials. Langmuir, 2017, 33, 10726-10735.	3.5	45
65	Uronic acids functionalized polyethyleneimine (PEI)â€“polyethyleneglycol (PEG)-graft-copolymers as novel synthetic gene carriers. Biomaterials, 2006, 27, 2302-2312.	11.4	44
66	Ostwald Ripening Growth Mechanism of Gold Nanotriangles in Vesicular Template Phases. Langmuir, 2016, 32, 10928-10935.	3.5	44
67	The solid-state architecture of a metallosupramolecular polyelectrolyte. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 10202-10206.	7.1	43
68	SAXS in combination with a free liquid jet for improved time-resolved in situ studies of the nucleation and growth of nanoparticles. Chemical Communications, 2010, 46, 9209.	4.1	42
69	Surface and Solid-State Properties of a Fluorinated Polyelectrolyteâ˜Surfactant Complex. Langmuir, 1999, 15, 4867-4874.	3.5	41
70	Long-range ordered columns of a hexabenzo[bc,ef,hi,kl,no,qr]coroneneâ€“polysiloxane complex: towards molecular nanowires. Journal of Materials Chemistry, 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. Colloids and Surfaces B: Biointerfaces, 2013, 108, 110-119.	5.0	40
72	Adsorption of Amyloid Î²-Peptide at Polymer Surfaces: A Neutron Reflectivity Study. ChemPhysChem, 2005, 6, 2527-2534.	2.1	39

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73	Human Serum Albumin on Fluorinated Surfaces. Langmuir, 2003, 19, 7544-7550.	3.5	38
74	Arrangement of layered double hydroxide in a polyethylene matrix studied by a combination of complementary methods. Polymer, 2012, 53, 2245-2254.	3.8	38
75	Lamellar Structured Nanoparticles Formed by Complexes of a Cationic Block Copolymer and Perfluorodecanoic Acid. Macromolecules, 2006, 39, 9337-9345.	4.8	37
76	Self-Assembly of Perfluorodecanoic Acid with Cationic Copolymers:Â Ultra-Low Energy Surfaces and Mesomorphous Structures. Langmuir, 1998, 14, 4898-4903.	3.5	36
77	Stable Iron Carbide Nanoparticle Dispersions in [Emim][SCN] and [Emim][N(CN)2] Ionic Liquids. Langmuir, 2010, 26, 10600-10605.	3.5	36
78	SAXS analysis of single- and multi-core iron oxide magnetic nanoparticles. Journal of Applied Crystallography, 2017, 50, 481-488.	4.5	36
79	Monitoring the fate of small silver nanoparticles during artificial digestion. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 526, 76-81.	4.7	36
80	Characterization of aluminum, aluminum oxide and titanium dioxide nanomaterials using a combination of methods for particle surface and size analysis. RSC Advances, 2018, 8, 14377-14388.	3.6	36
81	pH-sensitive nanoparticles of poly(amino acid) dodecanoate complexes. International Journal of Pharmaceutics, 2001, 230, 11-24.	5.2	35
82	Characterization of poly(N-vinyl-2-pyrrolidone)s with broad size distributions. Polymer, 2010, 51, 1723-1727.	3.8	35
83	High-Speed but Not Magic: Microwave-Assisted Synthesis of Ultra-Small Silver Nanoparticles. Langmuir, 2018, 34, 147-153.	3.5	35
84	Protein Corona Analysis of Silver Nanoparticles Links to Their Cellular Effects. Journal of Proteome Research, 2017, 16, 4020-4034.	3.7	34
85	Synthesis and characterization of non-spherical gold colloids in block-copolymer micelles. Colloid and Polymer Science, 1996, 274, 795-800.	2.1	32
86	Real-Time Monitoring of Copolymer Stabilized Growing Gold Nanoparticles. Langmuir, 2010, 26, 5889-5894.	3.5	32
87	The presence of iron oxide nanoparticles in the food pigment E172. Food Chemistry, 2020, 327, 127000.	8.2	31
88	Lamellar Mesophases in Polyacrylonitrile:Â A Synchrotron Small-Angle X-ray Scattering Study. Macromolecules, 2000, 33, 2626-2631.	4.8	30
89	Nanoparticles of a polyelectrolyteâ€“fatty acid complex: carriers for Q10 and triiodothyronine. Journal of Controlled Release, 2001, 75, 237-247.	9.9	30
90	Characterization of New Amphiphilic Block Copolymers of Nâ€Vinylpyrrolidone and Vinyl Acetate, 2 â€•Chromatographic Separation and Analysis by MALDIâ€TOF and FTâ€IR Coupling. Macromolecular Chemistry and Physics, 2010, 211, 1678-1688.	2.2	30

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91	Thin Layers of Columns of an Amphiphilic Hexa-peri-hexabenzocoronene at Silicon Wafer Surfaces. Langmuir, 2003, 19, 5036-5041.	3.5	29
92	Alternating perpendicular 1-D channels in the supramolecular structure of the copper(II) complex [Cu(pyterpy)2](PF6)2Â·CH3OHÂ·0.5 CH2Cl2 (pyterpy=4â€²-(4â€²â€²-pyridyl)-2,2â€²:6â€²,2â€²â€²-terpyridine). Inorganic Chemistry Communication, 2005, 8, 281-284.	3.1	29
93	Hyperbranched poly(amidoamine)/kaolinite nanocomposites: Structure and charge carrier dynamics. Polymer, 2017, 121, 64-74.	3.8	29
94	It takes more than a coating to get nanoparticles through the intestinal barrier in vitro. European Journal of Pharmaceutics and Biopharmaceutics, 2017, 118, 21-29.	4.3	29
95	Microwave-Assisted Synthesis of Ultrasmall Zinc Oxide Nanoparticles. Langmuir, 2019, 35, 12469-12482.	3.5	29
96	Ultrathin Solid Polyelectrolyteâ^'Surfactant Complex Films:Â Structure and Wettingâ€. Langmuir, 2000, 16, 8562-8567.	3.5	28
97	H-Bonding-Directed Self-Assembly of Synthetic Copolymers Containing Nucleobases:Â Organization and Colloidal Fusion in a Noncompetitive Solvent. Langmuir, 2006, 22, 7411-7415.	3.5	28
98	Protein decorated membranes by specific molecular interactions. Soft Matter, 2010, 6, 2815.	2.7	28
99	Elucidation of the structure of poly(Î³-benzyl-l-glutamate) nanofibers and gel networks in a helicogenic solvent. Colloid and Polymer Science, 2013, 291, 1353-1363.	2.1	28
100	Environmental Impact of ZnO Nanoparticles Evaluated by in Vitro Simulated Digestion. ACS Applied Nano Materials, 2020, 3, 724-733.	5.0	28
101	Proteomic responses of human intestinal Cacoâ€2 cells exposed to silver nanoparticles and ionic silver. Journal of Applied Toxicology, 2016, 36, 404-413.	2.8	27
102	Polyampholyte-Dressed Micelles of Fluorinated and Hydrogenated Dodecanoic Acid. Langmuir, 2002, 18, 5099-5105.	3.5	26
103	Nanoscopic Structure of a Metallo-supramolecular Polyelectrolyte-Amphiphile Complex, Elucidated by X-ray Scattering and Molecular Modeling. ChemPhysChem, 2003, 4, 1095-1100.	2.1	26
104	The use of an acoustic levitator to follow crystallization in small droplets by energy-dispersive X-ray diffraction. Journal of Applied Crystallography, 2006, 39, 771-773.	4.5	26
105	Structure and endâ€group analysis of complex hexanediolâ€neopentylglycolâ€adipic acid copolyesters by matrixâ€assisted laser desorption/ionization collisionâ€induced dissociation tandem mass spectrometry. Rapid Communications in Mass Spectrometry, 2009, 23, 2768-2774.	1.5	26
106	Multivalent grafting of hyperbranched oligo- and polyglycerols shielding rough membranes to mediate hemocompatibility. Journal of Materials Chemistry B, 2014, 2, 3626-3635.	5.8	26
107	Structureâ€“Property Relationships of Nanocomposites Based on Polylactide and Layered Double Hydroxides â€“ Comparison of MgAl and NiAl LDH as Nanofiller. Macromolecular Chemistry and Physics, 2017, 218, 1700232.	2.2	26
108	Rigid-Rod Complex of a Cationic Poly(p-phenylene) and a Fluorinated Amphiphile. Macromolecules, 2000, 33, 2124-2128.	4.8	25

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109	Poly(ethylene oxide)-block-poly(glutamic acid) coated maghemite nanoparticles:in vitrocharacterization andin vivobehaviour. Nanotechnology, 2007, 18, 115710.	2.6	25
110	Amphiphilic Folded Dendrimer Discs and Their Thermosensitive Selfâ€Assembly in Water. Chemistry - A European Journal, 2012, 18, 5837-5842.	3.3	25
111	Superparamagnetic Maghemite Nanorods: Analysis by Coupling Field-Flow Fractionation and Small-Angle X-ray Scattering. Analytical Chemistry, 2008, 80, 5905-5911.	6.5	24
112	Structureâ€“Property Relationships of Hyperbranched Polymer/Kaolinite Nanocomposites. Macromolecules, 2015, 48, 6562-6573.	4.8	24
113	How temperature determines formation of maghemite nanoparticles. Journal of Magnetism and Magnetic Materials, 2015, 380, 163-167.	2.3	24
114	Uptake and molecular impact of aluminum-containing nanomaterials on human intestinal caco-2 cells. Nanotoxicology, 2018, 12, 992-1013.	3.0	24
115	Layered Nanoarchitecture of a Fluorescent Polyelectrolyte Complex. Langmuir, 2000, 16, 3221-3226.	3.5	23
116	Self-Assembly of Solid Polyelectrolyteâ˜Siliconâ˜Surfactant Complexes. Langmuir, 1998, 14, 6220-6225.	3.5	22
117	Immobilization of Retinoic Acid by Polyamino Acids:Â Lamellar-Structured Nanoparticles. Langmuir, 2000, 16, 850-857.	3.5	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.	0.4	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.	6.2	22
121	Undulated Gold Nanoplatelet Superstructures: In Situ Growth of Hemispherical Gold Nanoparticles onto the Surface of Gold Nanotriangles. Langmuir, 2018, 34, 4584-4594.	3.5	22
122	Nano-structured materials with low surface energies formed by polyelectrolytes and fluorinated amphiphiles (PEFA). Polymer International, 2000, 49, 636-644.	3.1	21
123	Dielectric Relaxation of Polyacrylonitrile in Its Pristine and Cyclized Stage. Macromolecules, 2000, 33, 1790-1795.	4.8	21
124	Thyroid hormone (T3)-modification of polyethyleneglycol (PEG)-polyethyleneimine (PEI) graft copolymers for improved gene delivery to hepatocytes. Biomaterials, 2007, 28, 1900-1911.	11.4	21
125	Characterization of New Amphiphilic Block Copolymers of Nâ€Vinyl Pyrrolidone and Vinyl Acetate, 1 â€“ Analysis of Copolymer Composition, End Groups, Molar Masses and Molar Mass Distributions. Macromolecular Chemistry and Physics, 2010, 211, 869-878.	2.2	20
126	Immobilization of Retinoic Acid by Cationic Polyelectrolytes. Langmuir, 1997, 13, 6040-6046.	3.5	19

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127	Bond length contraction in gold nanoparticles. Analytical and Bioanalytical Chemistry, 2010, 398, 1967-1972.	3.7	19
128	Investigations of Hostâ€“Guest Interactions with Shape-Persistent Nonionic Dendritic Micelles. Journal of Physical Chemistry C, 2013, 117, 12307-12317.	3.1	19
129	Self-Assembled Complexes of Diazosulfonate Polymers with Low Surface Energies. Macromolecules, 1999, 32, 7414-7421.	4.8	18
130	Diazosulfonate Polymer Complexes:Â Structure and Wettability. Macromolecules, 2000, 33, 5665-5671.	4.8	18
131	Dosimetric Quantification of Coating-Related Uptake of Silver Nanoparticles. Langmuir, 2017, 33, 13087-13097.	3.5	17
132	Comparative proteomic analysis of hepatic effects induced by nanosilver, silver ions and nanoparticle coating in rats. Food and Chemical Toxicology, 2018, 113, 255-266.	3.6	17
133	Online coupling of field-flow fractionation with SAXS and DLS for polymer analysis. Analytical Methods, 2009, 1, 177.	2.7	16
134	TOF-SIMS analysis of cell membrane changes in functional impaired human macrophages upon nanosilver treatment. Surface and Interface Analysis, 2013, 45, 483-485.	1.8	16
135	Hydrodynamic and magnetic fractionation of superparamagnetic nanoparticles for magnetic particle imaging. Journal of Magnetism and Magnetic Materials, 2015, 380, 266-270.	2.3	16
136	Superparamagnetic coreâ€“shell nanoparticles as solid supports for peptide synthesis. Chemical Communications, 2012, 48, 7176.	4.1	15
137	Coreâ€Shell Structures of Oligosaccharideâ€Functionalized Hyperbranched Poly(ethylene imines). Macromolecular Chemistry and Physics, 2012, 213, 2362-2369.	2.2	15
138	ToFâ€SIMS and Laserâ€SNMS analysis of macrophages after exposure to silver nanoparticles. Surface and Interface Analysis, 2013, 45, 286-289.	1.8	15
139	Beyond microplastics - investigation on health impacts of submicron and nanoplastic particles after oral uptake in vitro. Microplastics and Nanoplastics, 2022, 2, .	8.8	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-(PO3H2)2, (polymer C). See http://www.rsc.org/suppdata/cc/b1/b110786k/. Chemical Communications, 2002, , 534-535.	4.1	14
141	Processing nanoparticles with A4F-SAXS for toxicological studies: Iron oxide in cell-based assays. Journal of Chromatography A, 2011, 1218, 4160-4166.	3.7	14
142	Nitric acid-stabilized superparamagnetic iron oxide nanoparticles studied with X-rays. Journal of Nanoparticle Research, 2012, 14, 1.	1.9	14
143	Thermally induced structural rearrangement of the Fe(ii) coordination geometry in metallo-supramolecular polyelectrolytes. Physical Chemistry Chemical Physics, 2014, 16, 19694-19701.	2.8	14
144	Intestinal and hepatic effects of iron oxide nanoparticles. Archives of Toxicology, 2021, 95, 895-905.	4.2	14

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145	The Conformation of B18 Peptide in the Presence of Fluorinated and Alkylated Nanoparticles. ChemBioChem, 2005, 6, 280-283.	2.6	13
146	The Impact of Halogenated Phenylalanine Derivatives on NFGAIL Amyloid Formation. ChemBioChem, 2020, 21, 3544-3554.	2.6	13
147	Colloidal Complexes of Perfluorooctadecanoic Acid with Cationic Copolymers. Langmuir, 1999, 15, 6724-6727.	3.5	12
148	Thermochromism of a liquid crystalline dialkoxy substituted poly(1,4-phenylene-1,3,4-oxadiazol-2,5-diyl). Journal of Materials Chemistry, 2000, 10, 2652-2656.	6.7	12
149	Complexes of Poly(ethylene oxide)-block-Poly(l-glutamate) and Diminazene. Langmuir, 2006, 22, 2323-2328.	3.5	12
150	Poly(meth)acrylate-PVDF coreâ€“shell particles from emulsion polymerization: preferential formation of the PVDF Î² crystal phase. Polymer Chemistry, 2018, 9, 5359-5369.	3.9	12
151	Molecular switching complexes with iron and tin as central atom. Polyhedron, 2009, 28, 1818-1821.	2.2	11
152	Biomimetic synthesis of chiral erbium-doped silver/peptide/silica core-shell nanoparticles (ESPN). Nanoscale, 2011, 3, 5168.	5.6	11
153	Toxicological investigations of â€œnakedâ€•and polymer-entrapped AOT-based gold nanotriangles. Colloids and Surfaces B: Biointerfaces, 2018, 167, 560-567.	5.0	11
154	Amphiphilic Nanogels: Fuzzy Spheres with a Pseudo-Periodic Internal Structure. Langmuir, 2020, 36, 10979-10988.	3.5	11
155	Monodisperse Disk-Shaped Micelles of Perfluorooctadecanoic Acid. Langmuir, 1999, 15, 5426-5428.	3.5	10
156	Nanoparticles of Polyampholyteâ^'Surfactant Complexes with Perfluorododecanoic Acid. Langmuir, 2002, 18, 4500-4504.	3.5	10
157	X-ray Reflectivity Study of an Amphiphilic Hexa-peri-hexabenzocoronene at a Structured Silicon Wafer Surface. Langmuir, 2003, 19, 10997-10999.	3.5	10
158	Cationic Polymer Grafted Starch from Nonsymmetrically Substituted Macroinitiators. Macromolecules, 2005, 38, 7251-7261.	4.8	10
159	Resolving particle size modality in bi-modal iron oxide nanoparticle suspensions. Journal of Magnetism and Magnetic Materials, 2015, 380, 140-143.	2.3	10
160	Synthesis, structure and reactivity of the homoleptic iron(II) complex of the novel 4â€²-(4â€´-pyridyl-N-oxide)-2,2â€²:6â€²,2â€³-terpyridine ligand. Inorganica Chimica Acta, 2005, 358, 3384-3390.	2.4	9
161	How Hydrodynamic Fractionation Influences MPI Performance of Resovist. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	9
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