Daniel Horak

List of Publications by Year
in descending order

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268 papers	7,314 citations	50276 46 h-index	91884 69 g-index
273 all docs	273 docs citations	273 times ranked	8267 citing authors

#	Article	IF	Citations
1	Preparation and properties of magnetic nano- and microsized particles for biological and environmental separations. Journal of Separation Science, 2007, 30, 1751-1772.	2.5	327
2	Poly(<scp>l</scp>-lysine)-Modified Iron Oxide Nanoparticles for Stem Cell Labeling. Bioconjugate Chemistry, 2008, 19, 740-750.	3.6	277
3	Nanopaper as an Optical Sensing Platform. ACS Nano, 2015, 9, 7296-7305.	14.6	204
4	d-Mannose-Modified Iron Oxide Nanoparticles for Stem Cell Labeling. Bioconjugate Chemistry, 2007, 18, 635-644.	3.6	125
5	Superparamagnetic Fe3O4 Nanoparticles: Synthesis by Thermal Decomposition of Iron(III) Glucuronate and Application in Magnetic Resonance Imaging. ACS Applied Materials & Interfaces, 2016, 8, 7238-7247.	8.0	114
6	Fluorescent magnetic nanoparticles for biomedical applications. Journal of Materials Chemistry, 2011, 21, 7630.	6.7	99
7	Magnetic polyglycidylmethacrylate microspheres by dispersion polymerization. Journal of Polymer Science Part A, 2001, 39, 3707-3715.	2.3	93
8	Size-dependent magnetic properties of iron oxide nanoparticles. Journal of Physics and Chemistry of Solids, 2016, 88, 24-30.	4.0	93
9	Reactive poly(glycidyl methacrylate) microspheres prepared by dispersion polymerization. Journal of Polymer Science Part A, 2000, 38, 3855-3863.	2.3	91
10	Methacrylate-based chromatographic media. Journal of Separation Science, 2005, 28, 1855-1875.	2.5	91
11	Effect of the reaction parameters on the particle size in the dispersion polymerization of 2-hydroxyethyl and glycidyl methacrylate in the presence of a ferrofluid. Journal of Polymer Science Part A, 2003, 41, 1848-1863.	2.3	88
12	The use of superporous Ac-CGGASIKVAVS-OH-modified PHEMA scaffolds to promote cell adhesion and the differentiation of human fetal neural precursors. Biomaterials, 2010, 31, 5966-5975.	11.4	88
13	Magnetic hydrophilic methacrylate-based polymer microspheres for genomic DNA isolation. Journal of Chromatography A, 2005, 1064, 247-253.	3.7	85
14	Poly(N,N-dimethylacrylamide)-Coated Maghemite Nanoparticles for Stem Cell Labeling. Bioconjugate Chemistry, 2009, 20, 283-294.	3.6	80
15	Hydrogels in endovascular embolization. III. Radiopaque spherical particles, their preparation and properties. Biomaterials, 1987, 8, 142-145.	11.4	74
16	Title is missing!. Angewandte Makromolekulare Chemie, 1977, 63, 23-36.	0.2	72
17	Magnetic poly(glycidyl methacrylate) microspheres prepared by dispersion polymerization in the presence of electrostatically stabilized ferrofluids. Journal of Polymer Science Part A, 2004, 42, 5827-5837.	2.3	71
18	Alzheimerâ€²s disease biomarkers detection in human samples by efficient capturing through porous magnetic microspheres and labelling with electrocatalytic gold nanoparticles. Biosensors and Bioelectronics, 2015, 67, 162-169.	10.1	70

#	Article	IF	Citations
19	Effect of reaction parameters on the particle size in the dispersion polymerization of 2-hydroxyethyl methacrylate. Journal of Polymer Science Part A, 1999, 37, 3785-3792.	2.3	69
20	Effects of the reaction parameters on the properties of thermosensitive poly(N-isopropylacrylamide) microspheres prepared by precipitation and dispersion polymerization. Journal of Polymer Science Part A, 2006, 44, 968-982.	2.3	69
21	Surface coating affects behavior of metallic nanoparticles in a biological environment. Beilstein Journal of Nanotechnology, 2016, 7, 246-262.	2.8	69
22	Synthesis and modification of uniform PEG-neridronate-modified magnetic nanoparticles determines prolonged blood circulation and biodistribution in a mouse preclinical model. Scientific Reports, 2019, 9, 10765.	3.3	69
23	Cholesterol-modified superporous poly(2-hydroxyethyl methacrylate) scaffolds for tissue engineering. Biomaterials, 2009, 30, 4601-4609.	11.4	68
24	Enzymes immobilized on magnetic carriers: efficient and selective system for protein modification. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2002, 770, 177-181.	2.3	67
25	Functionalized magnetic micro- and nanoparticles: Optimization and application to Î¼-chip tryptic digestion. Electrophoresis, 2006, 27, 1811-1824.	2.4	67
26	Hydrogels in endovascular embolization. I. Spherical particles of poly(2-hydroxyethyl methacrylate) and their medico-biological properties. Biomaterials, 1986, 7, 188-192.	11.4	66
27	SIKVAV-modified highly superporous PHEMA scaffolds with oriented pores for spinal cord injury repair. Journal of Tissue Engineering and Regenerative Medicine, 2015, 9, 1298-1309.	2.7	66
28	Superporous poly(2-hydroxyethyl methacrylate) based scaffolds: Preparation and characterization. Polymer, 2008, 49, 2046-2054.	3.8	64
29	Chitin Nanofiber Paper toward Optical (Bio)sensing Applications. ACS Applied Materials & Interfaces, 2020, 12, 15538-15552.	8.0	64
30	Oxidative damage to biological macromolecules in human bone marrow mesenchymal stromal cells labeled with various types of iron oxide nanoparticles. Toxicology Letters, 2012, 210, 53-63.	0.8	63
31	A simple neridronate-based surface coating strategy for upconversion nanoparticles: highly colloidally stable¹²⁵I-radiolabeled NaYF₄:Yb³⁺/Er³⁺@PEG nanoparticles for multimodalin vivotissue imaging. Nanoscale, 2017, 9, 16680-16688.	5.6	63
32	Measurement of Sub-femtomolar Concentrations of Prostate-Specific Antigen through Single-Molecule Counting with an Upconversion-Linked Immunosorbent Assay. Analytical Chemistry, 2019, 91, 9435-9441.	6.5	62
33	Oriented immobilization of galactose oxidase to bead and magnetic bead cellulose and poly(HEMA-co-EDMA) and magnetic poly(HEMA-co-EDMA) microspheres. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2002, 770, 25-34.	2.3	61
34	Bioconjugates of photon-upconversion nanoparticles for cancer biomarker detection and imaging. Nature Protocols, 2022, 17, 1028-1072.	12.0	60
35	Magnetic poly(glycidyl methacrylate) microspheres containing maghemite prepared by emulsion polymerization. Journal of Magnetism and Magnetic Materials, 2006, 306, 241-247.	2.3	59
36	Hydrazide-Functionalized Poly(2-hydroxyethyl methacrylate) Microspheres for Immobilization of Horseradish Peroxidase. Biotechnology Progress, 1999, 15, 208-215.	2.6	58

#	Article	IF	Citations
37	Properties of RNase A Immobilized on Magnetic Poly(2-hydroxyethyl methacrylate) Microspheres. Biotechnology Progress, 2001, 17, 447-452.	2.6	57
38	Oxidative stress response in neural stem cells exposed to different superparamagnetic iron oxide nanoparticles. International Journal of Nanomedicine, 2016, 11, 1701.	6.7	57
39	Effect of reaction parameters on the dispersion polymerization of 1-vinyl-2-pyrrolidone. Journal of Polymer Science Part A, 2000, 38, 653-663.	2.3	56
40	Does surface coating of metallic nanoparticles modulate their interference with in vitro assays?. RSC Advances, 2015, 5, 70787-70807.	3.6	54
41	Heterocyclic polymers as catalysts in organic synthesis - effect of macromolecular design and microenvironment on the catalytic activity of polymer-supported (dialkylamino)pyridine catalysts. Macromolecules, 1987, 20, 767-772.	4.8	53
42	Effect of different magnetic nanoparticle coatings on the efficiency of stem cell labeling. Journal of Magnetism and Magnetic Materials, 2009, 321, 1539-1547.	2.3	53
43	Immunomagnetic separation and detection of Salmonella cells using newly designed carriers. Journal of Chromatography A, 2003, 1009, 215-221.	3.7	52
44	Poly(2-hydroxyethyl methacrylate)-based slabs as a mouse embryonic stem cell support. Biomaterials, 2004, 25, 5249-5260.	11.4	50
45	Dextran-modified iron oxide nanoparticles. Particuology: Science and Technology of Particles, 2007, 5, 162-168.	0.4	49
46	Magnetic Characteristics of Ferrimagnetic Microspheres Prepared by Dispersion Polymerization. Macromolecular Materials and Engineering, 2004, 289, 341-348.	3.6	48
47	Title is missing!. Angewandte Makromolekulare Chemie, 1981, 95, 109-115.	0.2	47
48	Reductively Degradable Poly(2-hydroxyethyl methacrylate) Hydrogels with Oriented Porosity for Tissue Engineering Applications. ACS Applied Materials & Interfaces, 2017, 9, 10544-10553.	8.0	47
49	The effect of polymeric porogen on the properties of macroporous poly(glycidyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 262 T	3.8	46
50	Uniform polymer beads of micrometer size. Acta Polymerica, 1996, 47, 20-28.	0.9	46
51	Magnetic microparticulate carriers with immobilized selective ligands in DNA diagnostics. Polymer, 2005, 46, 1245-1255.	3.8	46
52	Reactive polymers. XXXII. Effect of composition of polymerization feed on morphology and some physical properties of macroporous suspension copolymers glycidyl methacrylateâ€“ethylene dimethacrylate. Journal of Applied Polymer Science, 1981, 26, 411-421.	2.6	44
53	Magnetic beads-based electrochemical immunosensor for monitoring allergenic food proteins. Analytical Biochemistry, 2015, 484, 4-8.	2.4	44
54	Physico-chemical characteristics, biocompatibility, and MRI applicability of novel monodisperse PEG-modified magnetic Fe₃O₄&SiO₂coreâ€“shell nanoparticles. RSC Advances, 2017, 7, 8786-8797.	3.6	44

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55	Albuminâ€coated monodisperse magnetic poly(glycidyl methacrylate) microspheres with immobilized antibodies: Application to the capture of epithelial cancer cells. Journal of Biomedical Materials Research - Part A, 2013, 101A, 23-32.	4.0	43
56	Latent heat storage by silica-coated polymer beads containing organic phase change materials. Solar Energy, 2016, 132, 405-414.	6.1	43
57	Hydrogels in endovascular embolization. II. Clinical use of spherical particles. Biomaterials, 1986, 7, 467-470.	11.4	41
58	Hydrogels in endovascular embolization. Biomaterials, 1997, 18, 1355-1359.	11.4	41
59	Magnetic poly(2-hydroxyethyl methacrylate-co-ethylene dimethacrylate) microspheres by dispersion polymerization. Journal of Polymer Science Part A, 2000, 38, 1161-1171.	2.3	41
60	Magnetic hydrophilic methacrylate-based polymer microspheres designed for polymerase chain reactions applications. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2004, 800, 27-32.	2.3	41
61	New radiopaque polyHEMA-based hydrogel particles. , 1997, 34, 183-188.		39
62	Title is missing!. Angewandte Makromolekulare Chemie, 1981, 95, 117-127.	0.2	38
63	Monodisperse magnetic composite poly(glycidyl methacrylate)/La0.75Sr0.25MnO3 microspheres by the dispersion polymerization. Polymer, 2010, 51, 3116-3122.	3.8	38
64	Isolation of microbial DNA by newly designed magnetic particles. Colloids and Surfaces B: Biointerfaces, 2006, 52, 143-148.	5.0	37
65	Laccase immobilized on magnetic carriers for biotechnology applications. Journal of Magnetism and Magnetic Materials, 2009, 321, 1335-1340.	2.3	37
66	Porous polyHEMA beads prepared by suspension polymerization in aqueous medium. Journal of Applied Polymer Science, 1993, 49, 2041-2050.	2.6	36
67	Carboxyl-functionalized magnetic microparticle carrier for isolation and identification of DNA in dairy products. Journal of Magnetism and Magnetic Materials, 2007, 311, 249-254.	2.3	36
68	Highly superporous cholesterolâ€modified poly(2â€hydroxyethyl methacrylate) scaffolds for spinal cord injury repair. Journal of Biomedical Materials Research - Part A, 2011, 99A, 618-629.	4.0	36
69	Streptavidin-modified magnetic poly(2-hydroxyethyl methacrylate-co-glycidyl methacrylate) microspheres for selective isolation of bacterial DNA. European Polymer Journal, 2011, 47, 1090-1096.	5.4	36
70	RGDS- and TAT-Conjugated Upconversion of NaYF₄:Yb³⁺/Er³⁺&SiO₂ Nanoparticles: In Vitro Human Epithelioid Cervix Carcinoma Cellular Uptake, Imaging, and Targeting. ACS Applied Materials & Interfaces, 2016, 8, 20422-20431.	8.0	36
71	New Monodisperse Magnetic Polymer Microspheres Biofunctionalized for Enzyme Catalysis and Bioaffinity Separations. Macromolecular Bioscience, 2012, 12, 647-655.	4.1	35
72	Silica-modified monodisperse hexagonal lanthanide nanocrystals: synthesis and biological properties. Nanoscale, 2015, 7, 18096-18104.	5.6	34

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73	Functional polymer hydrogels for embryonic stem cell support. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2006, 76B, 315-325.	3.4	33
74	Effect of inert components on the porous structure of 2-hydroxyethyl methacrylate-ethylene dimethacrylate copolymers. Polymer, 1996, 37, 4243-4249.	3.8	32
75	Hydrolysed macroporous glycidyl methacrylate-ethylene dimethacrylate copolymer sorbent for size-exclusion high-performance liquid chromatography of synthetic polymers and biopolymers. Journal of Chromatography A, 1988, 435, 357-362.	3.7	31
76	Preparation of colored poly(styrene-co-butyl methacrylate) micrometer size beads with narrow size distribution by dispersion polymerization in presence of dyes. Journal of Polymer Science Part A, 1995, 33, 2961-2968.	2.3	31
77	Magnetic Bead Cellulose as a Suitable Support for Immobilization of Î±-Chymotrypsin. Applied Biochemistry and Biotechnology, 2012, 168, 295-305.	2.9	31
78	Title is missing!. Angewandte Makromolekulare Chemie, 1977, 63, 37-45.	0.2	30
79	Magnetic poly(Nâ€isopropylacrylamide) microspheres by dispersion and inverse emulsion polymerization. Journal of Polymer Science Part A, 2007, 45, 5884-5898.	2.3	30
80	Characterization of pore structure of PHEMA-based slabs. Reactive and Functional Polymers, 2005, 62, 1-9.	4.1	29
81	Magnetic poly(glycidyl methacrylate)-based microspheres prepared by suspension polymerization in the presence of modified La0.75Sr0.25MnO3 nanoparticles. European Polymer Journal, 2009, 45, 1009-1016.	5.4	29
82	Improved biocompatibility and efficient labeling of neural stem cells with poly(L-lysine)-coated maghemite nanoparticles. Beilstein Journal of Nanotechnology, 2016, 7, 926-936.	2.8	29
83	Synthesis and characterization of magnetic poly(glycidyl methacrylate) microspheres. Journal of Magnetism and Magnetic Materials, 2007, 311, 500-506.	2.3	28
84	Biological evaluation of surface-modified magnetic nanoparticles as a platform for colon cancer cell theranostics. Colloids and Surfaces B: Biointerfaces, 2018, 161, 35-41.	5.0	28
85	Interaction of poly-L-lysine coating and heparan sulfate proteoglycan on magnetic nanoparticle uptake by tumor cells. International Journal of Nanomedicine, 2018, Volume 13, 1693-1706.	6.7	28
86	Modified Methacrylate Hydrogels Improve Tissue Repair after Spinal Cord Injury. International Journal of Molecular Sciences, 2018, 19, 2481.	4.1	28
87	Versatile Bioconjugation Strategies of PEG-Modified Upconversion Nanoparticles for Bioanalytical Applications. Biomacromolecules, 2020, 21, 4502-4513.	5.4	28
88	Ferrite supports for isolation of DNA from complex samples and polymerase chain reaction amplification. Journal of Chromatography A, 2005, 1080, 93-98.	3.7	27
89	Magnetic poly(glycidyl methacrylate) microspheres for protein capture. New Biotechnology, 2014, 31, 482-491.	4.4	27
90	Oriented immobilization of chymotrypsin by use of suitable antibodies coupled to a nonporous solid support. Journal of Chromatography A, 1999, 852, 141-149.	3.7	26

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91	Magnetic enzyme reactors for isolation and study of heterogeneous glycoproteins. Journal of Magnetism and Magnetic Materials, 2005, 293, 349-357.	2.3	25
92	Monodisperse macroporous poly(glycidyl methacrylate) microspheres coated with silica: Design, preparation and characterization. Reactive and Functional Polymers, 2014, 77, 11-17.	4.1	25
93	RGDS- and SIKVAVS-Modified Superporous Poly(2-hydroxyethyl methacrylate) Scaffolds for Tissue Engineering Applications. Macromolecular Bioscience, 2016, 16, 1621-1631.	4.1	25
94	Preparation and control of surface properties of monodisperse micrometer size beads by dispersion copolymerization of styrene and butyl methacrylate in polar media. Journal of Polymer Science Part A, 1995, 33, 2329-2338.	2.3	24
95	Preparation of magnetic poly(glycidyl methacrylate) microspheres by emulsion polymerization in the presence of sterically stabilized iron oxide nanoparticles. Journal of Applied Polymer Science, 2006, 102, 4348-4357.	2.6	24
96	Iminodiacetic acid-modified magnetic poly(2-hydroxyethyl methacrylate)-based microspheres for phosphopeptide enrichment. Journal of Chromatography A, 2010, 1217, 8032-8040.	3.7	24
97	Magnetic poly(Nâ€propargylacrylamide) microspheres: Preparation by precipitation polymerization and use in model click reactions. Journal of Polymer Science Part A, 2011, 49, 4820-4829.	2.3	24
98	Novel fluorescent poly(glycidyl methacrylate) â€“ Silica microspheres. European Polymer Journal, 2014, 56, 92-104.	5.4	24
99	Antifouling Peptide Dendrimer Surface of Monodisperse Magnetic Poly(glycidyl methacrylate) Microspheres. Macromolecules, 2017, 50, 1302-1311.	4.8	24
100	Antibacterial Silver-Conjugated Magnetic Nanoparticles: Design, Synthesis and Bactericidal Effect. Pharmaceutical Research, 2019, 36, 147.	3.5	24
101	Characterization of deoxyribonuclease I immobilized on magnetic hydrophilic polymer particles. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2002, 774, 25-31.	2.3	23
102	Dynamics of tissue ingrowth in SIKVAV-modified highly superporous PHEMA scaffolds with oriented pores after bridging a spinal cord transection. Journal of Materials Science: Materials in Medicine, 2018, 29, 89.	3.6	23
103	Scavenging of reactive oxygen species by phenolic compound-modified maghemite nanoparticles. Beilstein Journal of Nanotechnology, 2019, 10, 1073-1088.	2.8	23
104	Reactive polymers. XXXIII. The influence of the suspension stabilizer on the morphology of a suspension polymer. Journal of Applied Polymer Science, 1981, 26, 3205-3211.	2.6	22
105	The influence of porosity of discrete particles upon their apparent dimensions as measured by the Coulter principle. Powder Technology, 1982, 31, 263-267.	4.2	22
106	Magnetic IDA-modified hydrophilic methacrylate-based polymer microspheres for IMAC protein separation. Journal of Separation Science, 2006, 29, 2541-2549.	2.5	22
107	Use of magnetic hydrazide-modified polymer microspheres for enrichment of Francisella tularensis glycoproteins. Soft Matter, 2012, 8, 2775.	2.7	22
108	Overexpression of (His) 6 -tagged human arginase I in Saccharomyces cerevisiae and enzyme purification using metal affinity chromatography. Protein Expression and Purification, 2012, 81, 63-68.	1.3	22

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109	Investigation of the surface structure of polymers by chromatographic methods. Journal of Chromatography A, 1983, 259, 269-282.	3.7	21
110	Poly(2-hydroxyethyl methacrylate-co-N,O-dimethacryloylhydroxylamine) particles by dispersion polymerization. Journal of Polymer Science Part A, 2002, 40, 1625-1632.	2.3	21
111	Co-encapsulation of human serum albumin and superparamagnetic iron oxide in PLGA nanoparticles: Part I. Effect of process variables on the mean size. Journal of Microencapsulation, 2014, 31, 147-155.	2.8	21
112	Biodistribution of upconversion/magnetic silica-coated NaGdF₄:Yb³⁺/Er³⁺nanoparticles in mouse models. RSC Advances, 2017, 7, 45997-46006.	3.6	21
113	Phthalocyanineâ€Conjugated Upconversion NaYF₄:Yb³⁺/Er³⁺@SiO₂ Nanospheres for NIRâ€Triggered Photodynamic Therapy in a Tumor Mouse Model. ChemMedChem, 2017, 12, 2066-2073.	3.2	21
114	Co-encapsulation of human serum albumin and superparamagnetic iron oxide in PLGA nanoparticles: Part II. Effect of process variables on protein model drug encapsulation efficiency. Journal of Microencapsulation, 2014, 31, 156-165.	2.8	20
115	Functionalised magnetic microspheres with hydrophilic properties for molecular diagnostic applications. Food Research International, 2009, 42, 493-498.	6.2	19
116	Immunomagnetic sulfonated hypercrosslinked polystyrene microspheres for electrochemical detection of proteins. Journal of Materials Chemistry, 2011, 21, 14783.	6.7	19
117	PEGâ€Modified Macroporous Poly(Glycidyl Methacrylate) and Poly(2â€Hydroxyethyl Methacrylate) Microspheres to Reduce Nonâ€Specific Protein Adsorption. Macromolecular Bioscience, 2013, 13, 503-511.	4.1	19
118	The Use of Hydrophilic Poly(<I>N</I>,<I>N</I>-dimethylacrylamide) for Promoting Engulfment of Magnetic Î³-Fe₂O₃ Nanoparticles by Mammalian Cells. Journal of Biomedical Nanotechnology, 2013, 9, 479-491.	1.1	19
119	Application of an improved magnetic immunosorbent in an Ephesia chip designed for circulating tumor cell capture. Electrophoresis, 2014, 35, 323-329.	2.4	19
120	Cerium Oxide-Decorated Î³-Fe2O3 Nanoparticles: Design, Synthesis and in vivo Effects on Parameters of Oxidative Stress. Frontiers in Chemistry, 2020, 8, 682.	3.6	19
121	Hydrolyzed macroporous glycidyl methacrylate-ethylene dimethacrylate copolymer with narrow pore size distribution. Journal of Chromatography A, 1989, 475, 187-194.	3.7	18
122	Macroporous poly(vinylpyrrolidoneâ€“coâ€“ethylene dimethacrylate) beads by suspension polymerization. Reactive and Functional Polymers, 2000, 45, 189-195.	4.1	18
123	Immunocapture of CD133-positive cells from human cancer cell lines by using monodisperse magnetic poly(glycidyl methacrylate) microspheres containing amino groups. Materials Science and Engineering C, 2014, 34, 193-200.	7.3	18
124	Polyanilineâ€“maghemite based dispersion: Electrical, magnetic properties and their cytotoxicity. Synthetic Metals, 2016, 214, 23-29.	3.9	18
125	Monodisperse magnetic poly(glycidyl methacrylate) microspheres for isolation of autoantibodies with affinity for the 46ÂkDa form of unconventional Myo1C present in autoimmune patients. Mikrochimica Acta, 2018, 185, 262.	5.0	18
126	FTIR microspectroscopy revealed biochemical changes in liver and kidneys as a result of exposure to low dose of iron oxide nanoparticles. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 236, 118355.	3.9	18

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127	Monodisperse Core-Shell NaYF4:Yb3+/Er3+@NaYF4:Nd3+-PEG-GGGRGDSGGGY-NH2 Nanoparticles Excitable at 808 and 980 nm: Design, Surface Engineering, and Application in Life Sciences. Frontiers in Chemistry, 2020, 8, 497.	3.6	18
128	D-mannose-Coating of Maghemite Nanoparticles Improved Labeling of Neural Stem Cells and Allowed Their Visualization by ex vivo MRI after Transplantation in the Mouse Brain. Cell Transplantation, 2019, 28, 553-567.	2.5	17
129	Toxicity evaluation of monodisperse PEGylated magnetic nanoparticles for nanomedicine. Nanotoxicology, 2019, 13, 510-526.	3.0	17
130	Poly(2-hydroxyethyl methacrylate) particles for management of hemorrhage of complicated origin: Treatment of hemobilia. , 1996, 33, 193-197.		16
131	Isolation of polymerase chain reaction-ready bacterial DNA from Lake Baikal sediments by carboxyl-functionalised magnetic polymer microspheres. Journal of Chromatography A, 2006, 1130, 115-121.	3.7	16
132	Poly(N,Nâ€diethylacrylamide) microspheres by dispersion polymerization. Journal of Polymer Science Part A, 2008, 46, 6263-6271.	2.3	16
133	Magnetic hollow poly(N-isopropylacrylamide-co-N,Nâ€²-methylenebisacrylamide-co-glycidyl acrylate) particles prepared by inverse emulsion polymerization. Colloid and Polymer Science, 2013, 291, 205-213.	2.1	16
134	Monodisperse Carboxyl-Functionalized Poly(Ethylene Glycol)-Coated Magnetic Poly(Glycidyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 467 T Bioscience, 2014, 14, 1590-1599.	4.1	16
135	Functionalized porous silica&maghemite core-shell nanoparticles for applications in medicine: design, synthesis, and immunotoxicity. Croatian Medical Journal, 2016, 57, 165-178.	0.7	16
136	The effect of magnetic nanoparticles on neuronal differentiation of induced pluripotent stem cell-derived neural precursors. International Journal of Nanomedicine, 2016, Volume 11, 6267-6281.	6.7	16
137	Effect of O-methyl-Î²-cyclodextrin-modified magnetic nanoparticles on the uptake and extracellular level of l-glutamate in brain nerve terminals. Colloids and Surfaces B: Biointerfaces, 2017, 149, 64-71.	5.0	16
138	Enhanced antitumor activity of surface-modified iron oxide nanoparticles and an α-tocopherol derivative in a rat model of mammary gland carcinosarcoma. International Journal of Nanomedicine, 2017, Volume 12, 4257-4268.	6.7	16
139	Percolation limited emission intensity from upconverting NaYF₄:Yb³⁺,Er³⁺ nanocrystals â€“ a single nanocrystal optical study. Nanoscale, 2018, 10, 21186-21196.	5.6	16
140	Biocompatibility assessment of up-and down-converting nanoparticles: implications of interferences with in vitro assays. Methods and Applications in Fluorescence, 2019, 7, 014001.	2.3	16
141	Colloidally Stable P(DMA-AGME)-Ale-Coated Gd(Tb)F3:Tb3+(Gd3+),Yb3+,Nd3+ Nanoparticles as a Multimodal Contrast Agent for Down- and Upconversion Luminescence, Magnetic Resonance Imaging, and Computed Tomography. Nanomaterials, 2021, 11, 230.	4.1	16
142	Radiopaque poly(2-hydroxyethyl methacrylate) particles containing silver iodide complexes tested on cell culture. Biomaterials, 1998, 19, 1303-1307.	11.4	15
143	The Use of Oligoperoxide-Coated Magnetic Nanoparticles to Label Stem Cells. Journal of Biomedical Nanotechnology, 2011, 7, 384-394.	1.1	15
144	Manipulation of isolated brain nerve terminals by an external magnetic field using D-mannose-coated Î³-Fe2O3 nano-sized particles and assessment of their effects on glutamate transport. Beilstein Journal of Nanotechnology, 2014, 5, 778-788.	2.8	15

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145	Monodisperse superparamagnetic nanoparticles by thermolysis of Fe(III) oleate and mandelate complexes. Colloid and Polymer Science, 2014, 292, 2097-2110.	2.1	15
146	PEGylation of magnetic poly(glycidyl methacrylate) microparticles for microfluidic bioassays. Materials Science and Engineering C, 2014, 40, 308-315.	7.3	15
147	Magnetoconductive maghemite core/polyaniline shell nanoparticles: Physico-chemical and biological assessment. Colloids and Surfaces B: Biointerfaces, 2016, 141, 382-389.	5.0	15
148	Title is missing!. Angewandte Makromolekulare Chemie, 1980, 87, 127-136.	0.2	14
149	Poly(2-hydroxyethyl methacrylate-co-ethylene dimethacrylate) as a mouse embryonic stem cells support. Journal of Applied Polymer Science, 2003, 87, 425-432.	2.6	14
150	Solid-phase DNA isolation from food matrices using hydrophilic magnetic microspheres. Food and Bioproducts Processing, 2015, 94, 375-381.	3.6	14
151	Heat generation of surface-modified magnetic Î³-Fe₂O₃ nanoparticles in applied alternating magnetic field. Journal Physics D: Applied Physics, 2017, 50, 345002.	2.8	14
152	Cytotoxicity of doxorubicin-conjugated poly[N-(2-hydroxypropyl)methacrylamide]-modified Î³-Fe₂O₃ nanoparticles towards human tumor cells. Beilstein Journal of Nanotechnology, 2018, 9, 2533-2545.	2.8	14
153	Hydrogels in endovascular embolization. Biomaterials, 1988, 9, 367-371.	11.4	13
154	Extraction of PCR-ready DNA from Staphylococcus aureus bacteriophages using carboxyl functionalized magnetic nonporous microspheres. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2009, 877, 599-602.	2.3	13
155	Poly(glycidyl methacrylate)/silver nanocomposite microspheres as a radioiodine scavenger: Electrophoretic characterisation of carboxyl- and amine-modified particles. Journal of Colloid and Interface Science, 2014, 421, 146-153.	9.4	13
156	The use of new surfaceâ€modified poly(2â€hydroxyethyl methacrylate) hydrogels in tissue engineering: Treatment of the surface with fibronectin subunits versus Acâ€CGGASIKVAVSâ€OH, cysteine, and 2â€mercaptoethanol modification. Journal of Biomedical Materials Research - Part A, 2014, 102, 2315-2323.	4.0	13
157	Antifouling Microparticles To Scavenge Lipopolysaccharide from Human Blood Plasma. Biomacromolecules, 2019, 20, 959-968.	5.4	13
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