Ruxandra Gref

List of Publications by Year
in descending order

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170 papers	24,724 citations	14644 66 h-index	6831 155 g-index
184 all docs	184 docs citations	184 times ranked	25296 citing authors

#	Article	IF	Citations
1	Porous metalâ€“organic-framework nanoscale carriers as a potential platform for drug deliveryÂand imaging. Nature Materials, 2010, 9, 172-178.	13.3	3,629
2	Metalâ€“Organic Frameworks in Biomedicine. Chemical Reviews, 2012, 112, 1232-1268.	23.0	3,593
3	Biodegradable long-circulating polymeric nanospheres. Science, 1994, 263, 1600-1603.	6.0	2,705
4	â€˜Stealthâ€™ corona-core nanoparticles surface modified by polyethylene glycol (PEG): influences of the corona (PEG chain length and surface density) and of the core composition on phagocytic uptake and plasma protein adsorption. Colloids and Surfaces B: Biointerfaces, 2000, 18, 301-313.	2.5	1,481
5	BioMOFs: Metalâ€“Organic Frameworks for Biological and Medical Applications. Angewandte Chemie - International Edition, 2010, 49, 6260-6266.	7.2	1,074
6	The controlled intravenous delivery of drugs using PEG-coated sterically stabilized nanospheres. Advanced Drug Delivery Reviews, 1995, 16, 215-233.	6.6	717
7	Influence of experimental parameters on the characteristics of poly(lactic acid) nanoparticles prepared by a double emulsion method. Journal of Controlled Release, 1998, 50, 31-40.	4.8	452
8	Polysaccharide-decorated nanoparticles. European Journal of Pharmaceutics and Biopharmaceutics, 2004, 58, 327-341.	2.0	441
9	Stealth PLA-PEG nanoparticles as protein carriers for nasal administration. Pharmaceutical Research, 1998, 15, 270-275.	1.7	360
10	In depth analysis of the in vivo toxicity of nanoparticles of porous iron(iii) metalâ€“organic frameworks. Chemical Science, 2013, 4, 1597.	3.7	313
11	Relationship between complement activation, cellular uptake and surface physicochemical aspects of novel PEG-modified nanocapsules. Biomaterials, 2001, 22, 2967-2979.	5.7	291
12	Optimisation of the synthesis of MOF nanoparticles made of flexible porous iron fumarate MIL-88A. Journal of Materials Chemistry, 2011, 21, 2220-2227.	6.7	263
13	PEG-coated nanospheres from amphiphilic diblock and multiblock copolymers: Investigation of their drug encapsulation and release characteristics1. Journal of Controlled Release, 1997, 46, 223-231.	4.8	255
14	Biodistribution of long-circulating PEG-grafted nanocapsules in mice: effects of PEG chain length and density. Pharmaceutical Research, 2001, 18, 1411-1419.	1.7	245
15	The effect of a PEG versus a chitosan coating on the interaction of drug colloidal carriers with the ocular mucosa. European Journal of Pharmaceutical Sciences, 2003, 20, 73-81.	1.9	215
16	Influence of polymer behaviour in organic solution on the production of polylactide nanoparticles by nanoprecipitation. International Journal of Pharmaceutics, 2007, 344, 33-43.	2.6	200
17	Composite CD-MOF nanocrystals-containing microspheres for sustained drug delivery. Nanoscale, 2017, 9, 7454-7463.	2.8	200
18	Metal-organic frameworks for advanced drug delivery. Acta Pharmaceutica Sinica B, 2021, 11, 2362-2395.	5.7	197

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19	Lidocaine-loaded biodegradable nanospheres. I. Optimization of the drug incorporation into the polymer matrix. Journal of Controlled Release, 1999, 57, 259-268.	4.8	190
20	Surface-engineered nanoparticles for multiple ligand coupling. Biomaterials, 2003, 24, 4529-4537.	5.7	182
21	Preparation and characterization of protein C-loaded PLA nanoparticles. Journal of Controlled Release, 1999, 60, 179-188.	4.8	180
22	Study of emulsion stabilization by graft copolymers using the optical analyzer Turbiscan. International Journal of Pharmaceutics, 2003, 254, 77-82.	2.6	178
23	Influence of polysaccharide coating on the interactions of nanoparticles with biological systems. Biomaterials, 2006, 27, 108-118.	5.7	178
24	Cyclodextrins for drug delivery. Journal of Drug Targeting, 2010, 18, 645-656.	2.1	174
25	Lidocaine loaded biodegradable nanospheres. Journal of Controlled Release, 1999, 60, 169-177.	4.8	172
26	The controlled intravenous delivery of drugs using PEG-coated sterically stabilized nanospheres. Advanced Drug Delivery Reviews, 2012, 64, 316-326.	6.6	144
27	Toxicity of metalâ€“organic framework nanoparticles: from essential analyses to potential applications. Chemical Society Reviews, 2022, 51, 464-484.	18.7	144
28	New self-assembled nanogels based on hostâ€“guest interactions: Characterization and drug loading. Journal of Controlled Release, 2006, 111, 316-324.	4.8	142
29	Squalene Based Nanocomposites: A New Platform for the Design of Multifunctional Pharmaceutical Theragnostics. ACS Nano, 2011, 5, 1513-1521.	7.3	141
30	Towards an Improved antiâ€HIV Activity of NRTI via Metalâ€“Organic Frameworks Nanoparticles. Advanced Healthcare Materials, 2013, 2, 1630-1637.	3.9	130
31	Cyclodextrin and Polysaccharide-Based Nanogels: Entrapment of Two Hydrophobic Molecules, Benzophenone and Tamoxifen. Biomacromolecules, 2009, 10, 547-554.	2.6	129
32	Polysaccharides Grafted with Polyesters: Novel Amphiphilic Copolymers for Biomedical Applications. Macromolecules, 2002, 35, 9861-9867.	2.2	124
33	Hostâ€“Guest Interactions in Fe(III)-Trimesate MOF Nanoparticles Loaded with Doxorubicin. Journal of Physical Chemistry B, 2014, 118, 8532-8539.	1.2	121
34	A Smart Metalâ€“Organic Framework Nanomaterial for Lung Targeting. Angewandte Chemie - International Edition, 2017, 56, 15565-15569.	7.2	118
35	Squalenoylation: A generic platform for nanoparticular drug delivery. Journal of Controlled Release, 2012, 161, 609-618.	4.8	115
36	Optimized synthesis and crystalline stability of Î³-cyclodextrin metal-organic frameworks for drug adsorption. International Journal of Pharmaceutics, 2016, 514, 212-219.	2.6	114

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37	Development and characterization of CyA-loaded poly(lactic acid)â€“poly(ethylene glycol)PEG micro- and nanoparticles. Comparison with conventional PLA particulate carriers. European Journal of Pharmaceutics and Biopharmaceutics, 2001, 51, 111-118.	2.0	112
38	Design of poly-Îµ-caprolactone nanospheres coated with bioadhesive hyaluronic acid for ocular delivery. Journal of Controlled Release, 2002, 83, 365-375.	4.8	112
39	Self-Assembled Squalenoylated Penicillin Bioconjugates: An Original Approach for the Treatment of Intracellular Infections. ACS Nano, 2012, 6, 3820-3831.	7.3	112
40	Ultrafine Silver Nanoparticles Embedded in Cyclodextrin Metalâ€Organic Frameworks with GRGDS Functionalization to Promote Antibacterial and Wound Healing Application. Small, 2019, 15, e1901065.	5.2	109
41	Novel core(polyester)-shell(polysaccharide) nanoparticles: protein loading and surface modification with lectins. Journal of Controlled Release, 2003, 92, 103-112.	4.8	108
42	Surface modification of poly(lactic acid) nanospheres using hydrophobically modified dextrans as stabilizers in an o/w emulsion/evaporation technique. Journal of Biomedical Materials Research Part B, 2000, 50, 557-565.	3.0	99
43	Highâ€Relaxivity Magnetic Resonance Imaging (MRI) Contrast Agent Based on Supramolecular Assembly between a Gadolinium Chelate, a Modified Dextran, and Polyâ€Î²â€Cyclodextrin. Chemistry - A European Journal, 2008, 14, 4551-4561.	1.7	99
44	A â€œShip in a Bottleâ€•Strategy To Load a Hydrophilic Anticancer Drug in Porous Metal Organic Framework Nanoparticles: Efficient Encapsulation, Matrix Stabilization, and Photodelivery. Journal of Medicinal Chemistry, 2014, 57, 411-420.	2.9	98
45	A permeation method for detection of self-aggregation of doxorubicin in aqueous environment. International Journal of Pharmaceutics, 2013, 454, 559-561.	2.6	96
46	Porous metal organic framework nanoparticles to address the challenges related to busulfan encapsulation. Nanomedicine, 2011, 6, 1683-1695.	1.7	95
47	Moisture resistant and biofriendly CD-MOF nanoparticles obtained via cholesterol shielding. Chemical Communications, 2017, 53, 9246-9249.	2.2	93
48	Drug nanoclusters formed in confined nano-cages of CD-MOF: dramatic enhancement of solubility and bioavailability of azilsartan. Acta Pharmaceutica Sinica B, 2019, 9, 97-106.	5.7	91
49	A Smart Metalâ€“Organic Framework Nanomaterial for Lung Targeting. Angewandte Chemie, 2017, 129, 15771-15775.	1.6	87
50	Spontaneous association of hydrophobized dextran and poly-Î²-cyclodextrin into nanoassemblies.. Journal of Colloid and Interface Science, 2007, 307, 83-93.	5.0	84
51	Novel self-assembling nanogels: Stability and lyophilisation studies. International Journal of Pharmaceutics, 2007, 332, 185-191.	2.6	83
52	Interactions between a Macrophage Cell Line (J774A1) and Surface-modified Poly(D,L-lactide) Nanocapsules Bearing Poly(ethylene glycol). Journal of Drug Targeting, 1999, 7, 65-78.	2.1	82
53	Novel polyester-polysaccharide nanoparticles. Pharmaceutical Research, 2003, 20, 1284-1292.	1.7	80
54	Nanotechnologies for drug delivery: Application to cancer and autoimmune diseases. Progress in Solid State Chemistry, 2006, 34, 231-235.	3.9	75

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55	Synthesis, Characterization, and in Vivo Delivery of siRNA-Squalene Nanoparticles Targeting Fusion Oncogene in Papillary Thyroid Carcinoma. Journal of Medicinal Chemistry, 2011, 54, 4067-4076.	2.9	75
56	Combination therapy for tuberculosis treatment: pulmonary administration of ethionamide and booster co-loaded nanoparticles. Scientific Reports, 2017, 7, 5390.	1.6	74
57	An engineered nanoplatform for bimodal anticancer phototherapy with dual-color fluorescence detection of sensitizers. Chemical Communications, 2013, 49, 4459.	2.2	73
58	Poly(Î²-cyclodextrin)-mediated polylactide-cholesterol stereocomplex micelles for controlled drug delivery. Chinese Journal of Polymer Science (English Edition), 2017, 35, 693-699.	2.0	72
59	Glass transition temperature regulation effect in a poly(vinyl alcohol)â€"water system. Polymer, 1995, 36, 1655-1661.	1.8	70
60	Polyester-poly(ethylene glycol) nanoparticles loaded with the pure antiestrogen RU 58668: physicochemical and opsonization properties. Pharmaceutical Research, 2003, 20, 1063-1070.	1.7	70
61	Impact of phosphorylation on the encapsulation of nucleoside analogues within porous iron(iii) metalâ€"organic framework MIL-100(Fe) nanoparticles. Journal of Materials Chemistry B, 2013, 1, 4231.	2.9	69
62	Improvement in Thermal Stability of Sucralose by Î³-Cyclodextrin Metal-Organic Frameworks. Pharmaceutical Research, 2017, 34, 269-278.	1.7	69
63	GraftFast Surface Engineering to Improve MOF Nanoparticles Furtiveness. Small, 2018, 14, e1801900.	5.2	69
64	An efficient system for intracellular delivery of beta-lactam antibiotics to overcome bacterial resistance. Scientific Reports, 2015, 5, 13500.	1.6	68
65	Cyclodextrin-based metal-organic frameworks particles as efficient carriers for lansoprazole: Study of morphology and chemical composition of individual particles. International Journal of Pharmaceutics, 2017, 531, 424-432.	2.6	68
66	Novel PEGylated Nanoassemblies Made of Selfâ€Assembled Squalenoyl Nucleoside Analogues. Advanced Functional Materials, 2008, 18, 3715-3725.	7.8	67
67	Efficient â€œgreenâ€•encapsulation of a highly hydrophilic anticancer drug in metalâ€"organic framework nanoparticles. Journal of Drug Targeting, 2015, 23, 759-767.	2.1	66
68	Novel composite core-shell nanoparticles as busulfan carriers. Journal of Controlled Release, 2006, 111, 271-280.	4.8	63
69	In vivo behavior of MIL-100 nanoparticles at early times after intravenous administration. International Journal of Pharmaceutics, 2016, 511, 1042-1047.	2.6	63
70	Nanoparticles loaded with ferrocenyl tamoxifen derivatives for breast cancer treatment. International Journal of Pharmaceutics, 2008, 347, 128-135.	2.6	61
71	A â€œShip-in-a-Bottleâ€•strategy to create folic acid nanoclusters inside the nanocages of Î³-cyclodextrin metal-organic frameworks. International Journal of Pharmaceutics, 2019, 556, 89-96.	2.6	61
72	Erosion of biodegradable block copolymers made of poly(d,l-lactic acid) and poly(ethylene glycol). Biomaterials, 1997, 18, 1599-1607.	5.7	59

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73	Selfâ€assembling cyclodextrin based hydrogels for the sustained delivery of hydrophobic drugs. Journal of Biomedical Materials Research - Part A, 2008, 86A, 736-748.	2.1	58
74	Aqueous Polysaccharide Associations Mediated by Î²-Cyclodextrin Polymers. Biomacromolecules, 2008, 9, 1434-1442.	2.6	58
75	Template-directed synthesis of a cubic cyclodextrin polymer with aligned channels and enhanced drug payload. RSC Advances, 2017, 7, 20789-20794.	1.7	58
76	How to unravel the chemical structure and component localization of individual drug-loaded polymeric nanoparticles by using tapping AFM-IR. Analyst, The, 2018, 143, 5940-5949.	1.7	57
77	Citric acid-Î³-cyclodextrin crosslinked oligomers as carriers for doxorubicin delivery. Photochemical and Photobiological Sciences, 2013, 12, 1841-1854.	1.6	56
78	Protein C-loaded monomethoxypoly (ethylene oxide)â€“poly(lactic acid) nanoparticles. International Journal of Pharmaceutics, 2001, 212, 1-9.	2.6	52
79	Physico-chemical characterization of polysaccharide-coated nanoparticles. Journal of Controlled Release, 2005, 108, 97-111.	4.8	51
80	Photoinduced Fluorescence Activation and Nitric Oxide Release with Biocompatible Polymer Nanoparticles. Chemistry - A European Journal, 2012, 18, 15782-15787.	1.7	51
81	Î²-Cyclodextrin polymer nanoparticles as carriers for doxorubicin and artemisinin: a spectroscopic and photophysical study. Photochemical and Photobiological Sciences, 2012, 11, 1285-1292.	1.6	51
82	Two-Photon Fluorescence Imaging and Bimodal Phototherapy of Epidermal Cancer Cells with Biocompatible Self-Assembled Polymer Nanoparticles. Biomacromolecules, 2014, 15, 1768-1776.	2.6	50
83	Poly(ethyleneglycol)-Coated Nanospheres: Potential Carriers for Intravenous Drug Administration. , 1997, 10, 167-198.		48
84	In vitro andin vivo biologic evaluation of long-circulating biodegradable drug carriers loaded with the pure antiestrogen RU 58668. International Journal of Cancer, 2003, 106, 446-454.	2.3	47
85	Nanoencapsulation of a crystalline drug. International Journal of Pharmaceutics, 2005, 298, 323-327.	2.6	47
86	Cure of experimental Chagas' disease by the bis-triazole DO870 incorporated into 'stealth' polyethyleneglycol-polylactide nanospheres. Journal of Antimicrobial Chemotherapy, 2001, 47, 101-104.	1.3	46
87	A comprehensive study of the spontaneous formation of nanoassemblies in water by a â€œlock-and-keyâ€• interaction between two associative polymers. Journal of Colloid and Interface Science, 2011, 354, 517-527.	5.0	43
88	Intrinsic Antibacterial Activity of Nanoparticles Made of Î²-Cyclodextrins Potentiates Their Effect as Drug Nanocarriers against Tuberculosis. ACS Nano, 2019, 13, 3992-4007.	7.3	42
89	Polyoxyethylene-coated nanospheres: effect of coating on zeta potential and phagocytosis. Polymer International, 1999, 48, 251-256.	1.6	41
90	Synthetic and bioinspired cage nanoparticles for drug delivery. Nanomedicine, 2014, 9, 1545-1564.	1.7	40

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91	Quantification of fumaric acid in liver, spleen and urine by high-performance liquid chromatography coupled to photodiode-array detection. Journal of Pharmaceutical and Biomedical Analysis, 2011, 56, 758-762.	1.4	39
92	Transport properties of poly(vinyl alcohol) membranes of different degrees of crystallinity. I. Pervaporation results. Journal of Applied Polymer Science, 1993, 49, 209-218.	1.3	38
93	â€˜Greenâ€™ fluorine-free mesoporous iron(III) trimesate nanoparticles for drug delivery. Green Materials, 2013, 1, 209-217.	1.1	37
94	Cyclodextrin-based Polymeric Nanoparticles as Efficient Carriers for Anticancer Drugs. Current Pharmaceutical Biotechnology, 2016, 17, 248-255.	0.9	37
95	A multi-photoresponsive supramolecular hydrogel with dual-color fluorescence and dual-modal photodynamic action. Journal of Materials Chemistry B, 2014, 2, 3443-3449.	2.9	36
96	Freeze-Drying of Composite Core-Shell Nanoparticles. Drug Development and Industrial Pharmacy, 2006, 32, 839-846.	0.9	35
97	Toward an optimized treatment of intracellular bacterial infections: input of nanoparticulate drug delivery systems. Nanomedicine, 2015, 10, 3033-3055.	1.7	35
98	Antineoplastic busulfan encapsulated in a metal organic framework nanocarrier: first in vivo results. Journal of Materials Chemistry B, 2016, 4, 585-588.	2.9	34
99	Pure antiestrogen RU 58668â€”loaded nanospheres: morphology, cell activity and toxicity studies. European Journal of Pharmaceutical Sciences, 2004, 21, 361-370.	1.9	32
100	Anti-HIV efficacy and biodistribution of nucleoside reverse transcriptase inhibitors delivered as squalenoylated prodrug nanoassemblies. Biomaterials, 2013, 34, 4831-4838.	5.7	31
101	Evaluation of drug loading capabilities of Î³-cyclodextrin-metal organic frameworks by high performance liquid chromatography. Journal of Chromatography A, 2017, 1488, 37-44.	1.8	31
102	A non-covalent â€œclick chemistryâ€•strategy to efficiently coat highly porous MOF nanoparticles with a stable polymeric shell. Biochimica Et Biophysica Acta - General Subjects, 2017, 1861, 1606-1616.	1.1	31
103	A polymer-based nanodevice for the photoregulated release of NO with two-photon fluorescence reporting in skin carcinoma cells. Journal of Materials Chemistry B, 2014, 2, 1190.	2.9	30
104	Towards improved HIV-microbicide activity through the co-encapsulation of NRTI drugs in biocompatible metal organic framework nanocarriers. Journal of Materials Chemistry B, 2017, 5, 8563-8569.	2.9	29
105	Ordered and disordered cyclodextrin nanosponges with diverse physicochemical properties. RSC Advances, 2017, 7, 23759-23764.	1.7	28
106	Design of Engineered Cyclodextrin Derivatives for Spontaneous Coating of Highly Porous Metal-Organic Framework Nanoparticles in Aqueous Media. Nanomaterials, 2019, 9, 1103.	1.9	28
107	Highâ€Resolution Labelâ€Free Detection of Biocompatible Polymeric Nanoparticles in Cells. Particle and Particle Systems Characterization, 2018, 35, 1700457.	1.2	27
108	Comb-like dextran copolymers: A versatile strategy to coat highly porous MOF nanoparticles with a PEG shell. Carbohydrate Polymers, 2019, 223, 115085.	5.1	27

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109	Differential permeation ? Part I: A method for the study of solvent diffusion through membranes. Colloid and Polymer Science, 1993, 271, 1134-1142.	1.0	26
110	Novel self assembling nanoparticles for the oral administration of fondaparinux: Synthesis, characterization and in vivo evaluation. Journal of Controlled Release, 2014, 194, 323-331.	4.8	26
111	Cyclodextrin-based nanocarriers containing a synergic drug combination: A potential formulation for pulmonary administration of antitubercular drugs. International Journal of Pharmaceutics, 2017, 531, 577-587.	2.6	26
112	Degradation Mechanism of Porous Metal-Organic Frameworks by In Situ Atomic Force Microscopy. Nanomaterials, 2021, 11, 722.	1.9	26
113	Influence of Membrane Properties on System Performances in Pervaporation under Concentration Polarization Regime. Separation Science and Technology, 1992, 27, 467-491.	1.3	25
114	Interfacial and emulsion stabilising properties of amphiphilic water-soluble poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 547 Td (Surfaces A: Physicochemical and Engineering Aspects, 1998, 143, 413-420.	2.3	25
115	Molecular Reactivity of Busulfan Through Its Experimental Electrostatic Properties in the Solid State. Pharmaceutical Research, 2004, 21, 598-607.	1.7	25
116	A NO photoreleasing supramolecular hydrogel with bactericidal action. Journal of Materials Chemistry B, 2013, 1, 3458.	2.9	25
117	Highly Porous Hybrid Metalâ€“Organic Nanoparticles Loaded with Gemcitabine Monophosphate: a Multimodal Approach to Improve Chemoâ€•and Radiotherapy. ChemMedChem, 2020, 15, 274-283.	1.6	25
118	Compartmentalized Encapsulation of Two Antibiotics in Porous Nanoparticles: an Efficient Strategy to Treat Intracellular Infections. Particle and Particle Systems Characterization, 2019, 36, 1800360.	1.2	24
119	Synthesis and physicochemical characterization of new squalenoyl amphiphilic gadolinium complexes as nanoparticle contrast agents. Organic and Biomolecular Chemistry, 2011, 9, 4367.	1.5	23
120	Multilamellar Nanoparticles Self-Assembled from Opposite Charged Blends: Insights from Mesoscopic Simulation. Journal of Physical Chemistry C, 2015, 119, 20649-20661.	1.5	23
121	Microcalorimetric investigation on the formation of supramolecular nanoassemblies of associative polymers loaded with gadolinium chelate derivatives. International Journal of Pharmaceutics, 2009, 379, 218-225.	2.6	22
122	Flow field-flow fractionation and multi-angle light scattering as a powerful tool for the characterization and stability evaluation of drug-loaded metalâ€“organic framework nanoparticles. Analytical and Bioanalytical Chemistry, 2018, 410, 5245-5253.	1.9	21
123	Efficient Loading and Controlled Release of Benzophenone-3 Entrapped into Self-Assembling Nanogels. Current Nanoscience, 2010, 6, 654-665.	0.7	21
124	A comprehensive study on the inclusion mechanism of benzophenone into supramolecular nanoassemblies prepared using two water-soluble associative polymers. Journal of Thermal Analysis and Calorimetry, 2009, 98, 57-64.	2.0	20
125	Glycoside scutellarin enhanced CD-MOF anchoring for laryngeal delivery. Acta Pharmaceutica Sinica B, 2020, 10, 1709-1718.	5.7	20
126	Doxorubicin-Loaded Metal-Organic Frameworks Nanoparticles with Engineered Cyclodextrin Coatings: Insights on Drug Location by Solid State NMR Spectroscopy. Nanomaterials, 2021, 11, 945.	1.9	20

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127	Cyclodextrin-assisted assembly of PEGylated polyester nanoparticles decorated with folate. Colloids and Surfaces B: Biointerfaces, 2016, 141, 148-157.	2.5	19
128	Drug-Loaded Lipid-Coated Hybrid Organic-Inorganic â€œStealthâ€•Nanoparticles for Cancer Therapy. Frontiers in Bioengineering and Biotechnology, 2020, 8, 1027.	2.0	19
129	Water-Soluble Poly(3-hydroxyalkanoate) Sulfonate: Versatile Biomaterials Used as Coatings for Highly Porous Nano-Metal Organic Framework. Biomacromolecules, 2019, 20, 3324-3332.	2.6	18
130	Busulfan loading into poly(alkyl cyanoacrylate) nanoparticles: Physico-chemistry and molecular modeling. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2006, 79B, 254-262.	1.6	17
131	Small is beautiful: Surprising nanoparticles. International Journal of Pharmaceutics, 2016, 502, 219-231.	2.6	17
132	Efficient loading of ethionamide in cyclodextrin-based carriers offers enhanced solubility and inhibition of drug crystallization. International Journal of Pharmaceutics, 2017, 531, 568-576.	2.6	17
133	Drug Delivery from Bioerodible Polymers. ACS Symposium Series, 1994, , 242-277.	0.5	15
134	Fragment-Based Optimized EthR Inhibitors with in Vivo Ethionamide Boosting Activity. ACS Infectious Diseases, 2020, 6, 366-378.	1.8	15
135	Efficient incorporation and protection of lansoprazole in cyclodextrin metal-organic frameworks. International Journal of Pharmaceutics, 2020, 585, 119442.	2.6	15
136	Positively charged cyclodextrins as effective molecular transporters of active phosphorylated forms of gemcitabine into cancer cells. Scientific Reports, 2017, 7, 8353.	1.6	14
137	Interfacial rheology as a tool to study the potential of cyclodextrin polymers to stabilize oilâ€“water interfaces. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2011, 69, 475-479.	1.6	13
138	A multi-photoresponsive molecular-hybrid for dual-modal photoinactivation of cancer cells. RSC Advances, 2014, 4, 44827-44836.	1.7	13
139	Nanoparticles with high payloads of pipemidic acid, a poorly soluble crystalline drug: drug-initiated polymerization and self-assembly approach. Acta Pharmaceutica Sinica B, 2018, 8, 420-431.	5.7	11
140	Metal-organic frameworks for drug delivery: Degradation mechanism and in vivo fate. , 2020, , 467-489.		11
141	A novel codrug made of the combination of ethionamide and its potentiating booster: synthesis, self-assembly into nanoparticles and antimycobacterial evaluation. Organic and Biomolecular Chemistry, 2019, 17, 5129-5137.	1.5	10
142	A Multicomponent Gel for Nitric Oxide Photorelease with Fluorescence Reporting. Asian Journal of Organic Chemistry, 2015, 4, 256-261.	1.3	9
143	Oneâ€Step Photochemical Green Synthesis of Waterâ€Dispersible Ag, Au, and Au@Ag Coreâ€“Shell Nanoparticles. Chemistry - A European Journal, 2019, 25, 14638-14643.	1.7	9
144	Self-assembled multifunctional coreâ€“shell highly porous metalâ€“organic framework nanoparticles. International Journal of Pharmaceutics, 2020, 581, 119281.	2.6	9

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145	Interactions between hen egg-white lysozyme, PEG2,000, and PLA50 at the airâ€“water interface. Colloids and Surfaces B: Biointerfaces, 2005, 42, 97-106.	2.5	8
146	Quantification of trimesic acid in liver, spleen and urine by high-performance liquid chromatography coupled to a photodiode-array detection. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2011, 879, 2311-2314.	1.2	8
147	In vitro determination of the CYP 3A4 activity in rat hepatic microsomes by liquid-phase extraction and HPLC-photodiode array detection. Journal of Pharmacological and Toxicological Methods, 2012, 66, 29-34.	0.3	8
148	New insights on the supramolecular structure of highly porous coreâ€“shell drug nanocarriers using solid-state NMR spectroscopy. RSC Advances, 2019, 9, 32472-32475.	1.7	8
149	Differential permeation. Part II: Behaviors of polyvinylalocohol films in transient permeation. Colloid and Polymer Science, 1993, 271, 1143-1151.	1.0	7
150	Busulphan-loaded long-circulating nanospheres, a very attractive challenge for both galenists and pharmacologists. Journal of Microencapsulation, 2007, 24, 715-730.	1.2	7
151	Spontaneous Self-Assembly of Polymeric Nanoparticles in Aqueous Media: New Insights From Microfluidics, In Situ Size Measurements, and Individual Particle Tracking. Journal of Pharmaceutical Sciences, 2017, 106, 395-401.	1.6	7
152	An original methodology to study polymeric nanoparticle-macrophage interactions: Nanoparticle tracking analysis in cell culture media and quantification of the internalized objects. International Journal of Pharmaceutics, 2021, 610, 121202.	2.6	7
153	Porous nanoparticles with engineered shells release their drug cargo in cancer cells. International Journal of Pharmaceutics, 2021, 610, 121230.	2.6	7
154	Amphiphilic derivatives of dextran and related nanoparticles. Polymer Science - Series A, 2007, 49, 708-715.	0.4	6
155	Interfacial behavior of PEGylated lipids and their effect on the stability of squalenoyl-drug nanoassemblies. International Journal of Pharmaceutics, 2014, 471, 75-82.	2.6	6
156	Carbohydrates in metal organic frameworks: Supramolecular assembly and surface modification for biomedical applications. , 2020, , 445-465.		6
157	Compartmentalized Polymeric Nanoparticles Deliver Vancomycin in a pH-Responsive Manner. Pharmaceutics, 2021, 13, 1992.	2.0	6
158	Solid-State NMR Spectroscopy: A Key Tool to Unravel the Supramolecular Structure of Drug Delivery Systems. Molecules, 2021, 26, 4142.	1.7	5
159	Deciphering the Structure and Chemical Composition of Drug Nanocarriers: From Bulk Approaches to Individual Nanoparticle Characterization. Particle and Particle Systems Characterization, 2021, 38, 2100022.	1.2	5
160	Quantification of tetramethyl-terephthalic acid in rat liver, spleen and urine matrices by liquidâ€“liquid phase extraction and HPLC-photodiode array detection. Journal of Pharmaceutical and Biomedical Analysis, 2012, 67-68, 98-103.	1.4	4
161	Smart Polymeric Nanocarriers. Journal of Nanomaterials, 2016, 2016, 1-2.	1.5	4
162	Multifunctional coreâ€“shell polymeric and hybrid nanoparticles as anticancer nanomedicines. , 2018, , 109-160.		4

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163	The effect of hydrophileâ€“lipophile balance of water-soluble poly(ethylene glycol)â€“poly(lactic acid) diblock copolymers on the stability of microscopic emulsion films and nanoemulsions. Mendeleev Communications, 1998, 8, 105-107.	0.6	3
164	Solidâ€state NMR spectroscopy as a powerful tool to investigate the location of fluorinated lipids in highly porous hybrid organicâ€“inorganic nanoparticles. Magnetic Resonance in Chemistry, 2021, 59, 1038-1047.	1.1	3
165	Development of micro- and nanosystems for drug delivery. Russian Journal of General Chemistry, 2008, 78, 2220-2229.	0.3	2
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