

P Couvreur

List of Publications by Year in descending order

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545
papers

59,930
citations

1163

111
h-index

1280

225
g-index

576
all docs

576
docs citations

576
times ranked

52437
citing authors

#	ARTICLE	IF	CITATIONS
1	Stimuli-responsive nanocarriers for drug delivery. <i>Nature Materials</i> , 2013, 12, 991-1003.	13.3	5,084
2	Porous metal-organic-framework nanoscale carriers as a potential platform for drug delivery and imaging. <i>Nature Materials</i> , 2010, 9, 172-178.	13.3	3,629
3	Metal-Organic Frameworks in Biomedicine. <i>Chemical Reviews</i> , 2012, 112, 1232-1268.	23.0	3,593
4	Nanoparticles in cancer therapy and diagnosis. <i>Advanced Drug Delivery Reviews</i> , 2002, 54, 631-651.	6.6	2,520
5	Magnetic Nanoparticles: Design and Characterization, Toxicity and Biocompatibility, Pharmaceutical and Biomedical Applications. <i>Chemical Reviews</i> , 2012, 112, 5818-5878.	23.0	1,769
6	Nanocarriers' entry into the cell: relevance to drug delivery. <i>Cellular and Molecular Life Sciences</i> , 2009, 66, 2873-2896.	2.4	1,300
7	Design, functionalization strategies and biomedical applications of targeted biodegradable/biocompatible polymer-based nanocarriers for drug delivery. <i>Chemical Society Reviews</i> , 2013, 42, 1147-1235.	18.7	1,104
8	BioMOFs: Metal-Organic Frameworks for Biological and Medical Applications. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 6260-6266.	7.2	1,074
9	Nanotechnology: Intelligent Design to Treat Complex Disease. <i>Pharmaceutical Research</i> , 2006, 23, 1417-1450.	1.7	858
10	Nanoparticles in cancer therapy and diagnosis. <i>Advanced Drug Delivery Reviews</i> , 2012, 64, 24-36.	6.6	642
11	Nanoparticles in drug delivery: Past, present and future. <i>Advanced Drug Delivery Reviews</i> , 2013, 65, 21-23.	6.6	569
12	Polyunsaturated fatty acids (PUFA) and eicosanoids in human health and pathologies. <i>Biomedicine and Pharmacotherapy</i> , 2002, 56, 215-222.	2.5	490
13	Design of Folic Acid-Conjugated Nanoparticles for Drug Targeting. <i>Journal of Pharmaceutical Sciences</i> , 2000, 89, 1452-1464.	1.6	472
14	Poly(alkylcyanoacrylates) as biodegradable materials for biomedical applications. <i>Advanced Drug Delivery Reviews</i> , 2003, 55, 519-548.	6.6	463
15	Nanoparticles of Metal-Organic Frameworks: On the Road to In Vivo Efficacy in Biomedicine. <i>Advanced Materials</i> , 2018, 30, e1707365.	11.1	459
16	Polysaccharide-decorated nanoparticles. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2004, 58, 327-341.	2.0	441
17	Folate-Conjugated Iron Oxide Nanoparticles for Solid Tumor Targeting as Potential Specific Magnetic Hyperthermia Mediators: Synthesis, Physicochemical Characterization, and in Vitro Experiments. <i>Bioconjugate Chemistry</i> , 2005, 16, 1181-1188.	1.8	439
18	Nanocapsule Technology: A Review. <i>Critical Reviews in Therapeutic Drug Carrier Systems</i> , 2002, 19, 99-134.	1.2	435

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19	Nanotheranostics for personalized medicine. <i>Advanced Drug Delivery Reviews</i> , 2012, 64, 1394-1416.	6.6	408
20	Long-circulating PEGylated polycyanoacrylate nanoparticles as new drug carrier for brain delivery. <i>Pharmaceutical Research</i> , 2001, 18, 1157-1166.	1.7	405
21	Polycyanoacrylate nanocapsules as potential lysosomotropic carriers: preparation, morphological and sorptive properties. <i>Journal of Pharmacy and Pharmacology</i> , 2011, 31, 331-332.	1.2	396
22	Stealth® PEGylated polycyanoacrylate nanoparticles for intravenous administration and splenic targeting. <i>Journal of Controlled Release</i> , 1999, 60, 121-128.	4.8	369
23	Targeted delivery of antibiotics using liposomes and nanoparticles: research and applications. <i>International Journal of Antimicrobial Agents</i> , 2000, 13, 155-168.	1.1	365
24	Development of a New Drug Carrier Made from Alginate. <i>Journal of Pharmaceutical Sciences</i> , 1993, 82, 912-917.	1.6	340
25	New Approach for Oral Administration of Insulin With Polyalkylcyanoacrylate Nanocapsules as Drug Carrier. <i>Diabetes</i> , 1988, 37, 246-251.	0.3	337
26	Nanoprecipitation and the "Ouzo effect": Application to drug delivery devices. <i>Advanced Drug Delivery Reviews</i> , 2014, 71, 86-97.	6.6	318
27	In depth analysis of the in vivo toxicity of nanoparticles of porous iron(III) metal-organic frameworks. <i>Chemical Science</i> , 2013, 4, 1597.	3.7	313
28	Self-Assembled Multicompartment Liquid Crystalline Lipid Carriers for Protein, Peptide, and Nucleic Acid Drug Delivery. <i>Accounts of Chemical Research</i> , 2011, 44, 147-156.	7.6	297
29	Colloidal carriers and blood-brain barrier (BBB) translocation: A way to deliver drugs to the brain?. <i>International Journal of Pharmaceutics</i> , 2005, 298, 274-292.	2.6	289
30	Pharmacokinetics and distribution of a biodegradable drug-carrier. <i>International Journal of Pharmaceutics</i> , 1983, 15, 335-345.	2.6	287
31	Squalenoyl Nanomedicines as Potential Therapeutics. <i>Nano Letters</i> , 2006, 6, 2544-2548.	4.5	281
32	Squalene: A natural triterpene for use in disease management and therapy. <i>Advanced Drug Delivery Reviews</i> , 2009, 61, 1412-1426.	6.6	281
33	Puromycin-based purification of rat brain capillary endothelial cell cultures. Effect on the expression of blood-brain barrier-specific properties. <i>Journal of Neurochemistry</i> , 2005, 93, 279-289.	2.1	280
34	Development and Brain Delivery of Chitosan-PEG Nanoparticles Functionalized with the Monoclonal Antibody OX26. <i>Bioconjugate Chemistry</i> , 2005, 16, 1503-1511.	1.8	279
35	Degradation of poly (isobutyl cyanoacrylate) nanoparticles. <i>Biomaterials</i> , 1984, 5, 65-68.	5.7	266
36	Nanocarriers for antibiotics: A promising solution to treat intracellular bacterial infections. <i>International Journal of Antimicrobial Agents</i> , 2014, 43, 485-496.	1.1	265

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37	II. Glutamine and glutamate. <i>Biomedicine and Pharmacotherapy</i> , 2002, 56, 446-457.	2.5	264
38	Optimisation of the synthesis of MOF nanoparticles made of flexible porous iron fumarate MIL-88A. <i>Journal of Materials Chemistry</i> , 2011, 21, 2220-2227.	6.7	263
39	Prodrug-based intracellular delivery of anticancer agents. <i>Advanced Drug Delivery Reviews</i> , 2011, 63, 3-23.	6.6	258
40	Reversion of multidrug resistance by co-encapsulation of doxorubicin and cyclosporin A in polyalkylcyanoacrylate nanoparticles. <i>Biomaterials</i> , 2000, 21, 1-7.	5.7	256
41	Nano- and microparticles for the delivery of polypeptides and proteins. <i>Advanced Drug Delivery Reviews</i> , 1993, 10, 141-162.	6.6	250
42	Recent trends in the design of anticancer polymer prodrug nanocarriers. <i>Polymer Chemistry</i> , 2014, 5, 1529-1544.	1.9	246
43	Drug delivery to resistant tumors: the potential of poly(alkyl cyanoacrylate) nanoparticles. <i>Journal of Controlled Release</i> , 2003, 93, 151-160.	4.8	243
44	Nanotechnologies for Alzheimer's disease: diagnosis, therapy, and safety issues. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2011, 7, 521-540.	1.7	240
45	Poly(ethylene glycol)-Coated Hexadecylcyanoacrylate Nanospheres Display a Combined Effect for Brain Tumor Targeting. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2002, 303, 928-936.	1.3	237
46	Nanocapsules as carriers for oral peptide delivery. <i>Journal of Controlled Release</i> , 1990, 13, 233-239.	4.8	229
47	Squalenoyl adenosine nanoparticles provide neuroprotection after stroke and spinal cord injury. <i>Nature Nanotechnology</i> , 2014, 9, 1054-1062.	15.6	207
48	Smart delivery of antisense oligonucleotides by anionic pH-sensitive liposomes. <i>Advanced Drug Delivery Reviews</i> , 2004, 56, 931-946.	6.6	201
49	Toxicity of Polyalkylcyanoacrylate Nanoparticles II: Doxorubicin-Loaded Nanoparticles. <i>Journal of Pharmaceutical Sciences</i> , 1982, 71, 790-792.	1.6	199
50	Increase of doxorubicin sensitivity by doxorubicin-loading into nanoparticles for hepatocellular carcinoma cells in vitro and in vivo. <i>Journal of Hepatology</i> , 2005, 42, 736-743.	1.8	196
51	Visualization of in vitro protein-rejecting properties of PEGylated stealth® polycyanoacrylate nanoparticles. <i>Biomaterials</i> , 1999, 20, 1269-1275.	5.7	195
52	I. Arginine. <i>Biomedicine and Pharmacotherapy</i> , 2002, 56, 439-445.	2.5	194
53	Surface-engineered nanoparticles for multiple ligand coupling. <i>Biomaterials</i> , 2003, 24, 4529-4537.	5.7	182
54	A unique squalenoylated and nonpegylated doxorubicin nanomedicine with systemic long-circulating properties and anticancer activity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E217-26.	3.3	182

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55	The Design of Nanoparticles Obtained by Solvent Evaporation: A Comprehensive Study. <i>Langmuir</i> , 2003, 19, 9504-9510.	1.6	180
56	Nanoparticulate systems for the delivery of antisense oligonucleotides. <i>Advanced Drug Delivery Reviews</i> , 2001, 47, 99-112.	6.6	179
57	Multicellular spheroid based on a triple co-culture: A novel 3D model to mimic pancreatic tumor complexity. <i>Acta Biomaterialia</i> , 2018, 78, 296-307.	4.1	179
58	Study of emulsion stabilization by graft copolymers using the optical analyzer Turbiscan. <i>International Journal of Pharmaceutics</i> , 2003, 254, 77-82.	2.6	178
59	Influence of polysaccharide coating on the interactions of nanoparticles with biological systems. <i>Biomaterials</i> , 2006, 27, 108-118.	5.7	178
60	Cyclodextrins for drug delivery. <i>Journal of Drug Targeting</i> , 2010, 18, 645-656.	2.1	174
61	Translocation of Poly(ethylene glycol-co-hexadecyl)cyanoacrylate Nanoparticles into Rat Brain Endothelial Cells: A Role of Apolipoproteins in Receptor-Mediated Endocytosis. <i>Biomacromolecules</i> , 2007, 8, 793-799.	2.6	172
62	A Nanomedicine Transports a Peptide Caspase-3 Inhibitor across the Blood-Brain Barrier and Provides Neuroprotection. <i>Journal of Neuroscience</i> , 2009, 29, 13761-13769.	1.7	169
63	Nanocapsules: A new type of lysosomotropic carrier. <i>FEBS Letters</i> , 1977, 84, 323-326.	1.3	167
64	Adsorption of Antineoplastic Drugs to Polyalkylcyanoacrylate Nanoparticles and Their Release in Calf Serum. <i>Journal of Pharmaceutical Sciences</i> , 1979, 68, 1521-1524.	1.6	165
65	PEGylated Nanoparticles Bind to and Alter Amyloid-Beta Peptide Conformation: Toward Engineering of Functional Nanomedicines for Alzheimer's Disease. <i>ACS Nano</i> , 2012, 6, 5897-5908.	7.3	164
66	Multicellular tumor spheroids: a relevant 3D model for the in vitro preclinical investigation of polymer nanomedicines. <i>Polymer Chemistry</i> , 2017, 8, 4947-4969.	1.9	161
67	New approach for oral administration of insulin with polyalkylcyanoacrylate nanocapsules as drug carrier. <i>Diabetes</i> , 1988, 37, 246-251.	0.3	159
68	Low-density lipoprotein receptor-mediated endocytosis of PEGylated nanoparticles in rat brain endothelial cells. <i>Cellular and Molecular Life Sciences</i> , 2007, 64, 356-364.	2.4	157
69	Complement consumption by poly(ethylene glycol) in different conformations chemically coupled to poly(isobutyl 2-cyanoacrylate) nanoparticles. <i>Life Sciences</i> , 1997, 61, 749-761.	2.0	154
70	Alkylcyanoacrylate drug carriers: II. Cytotoxicity of cyanoacrylate nanoparticles with different alkyl chain length. <i>International Journal of Pharmaceutics</i> , 1992, 84, 13-22.	2.6	153
71	Poly(alkyl cyanoacrylate) Nanospheres for Oral Administration of Insulin. <i>Journal of Pharmaceutical Sciences</i> , 1997, 86, 1403-1409.	1.6	149
72	Polyisobutylcyanoacrylate nanocapsules containing an aqueous core as a novel colloidal carrier for the delivery of oligonucleotides. <i>Pharmaceutical Research</i> , 2000, 17, 707-714.	1.7	149

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73	Doxorubicin-loaded nanospheres bypass tumor cell multidrug resistance. <i>Biochemical Pharmacology</i> , 1992, 44, 509-517.	2.0	148
74	Design of nanoparticles of less than 50 nm diameter: preparation, characterization and drug loading. <i>International Journal of Pharmaceutics</i> , 1990, 62, 1-7.	2.6	147
75	Metallic Colloid Nanotechnology, Applications in Diagnosis and Therapeutics. <i>Current Pharmaceutical Design</i> , 2005, 11, 2091-2105.	0.9	145
76	Toxicity of metal-organic framework nanoparticles: from essential analyses to potential applications. <i>Chemical Society Reviews</i> , 2022, 51, 464-484.	18.7	144
77	Reversion of multidrug resistance with polyalkylcyanoacrylate nanoparticles: towards a mechanism of action. <i>British Journal of Cancer</i> , 1997, 76, 198-205.	2.9	143
78	Quantification and localization of PEGylated polycyanoacrylate nanoparticles in brain and spinal cord during experimental allergic encephalomyelitis in the rat. <i>European Journal of Neuroscience</i> , 2002, 15, 1317-1326.	1.2	142
79	New self-assembled nanogels based on host-guest interactions: Characterization and drug loading. <i>Journal of Controlled Release</i> , 2006, 111, 316-324.	4.8	142
80	Polyalkylcyanoacrylate nanoparticles as polymeric carriers for antisense oligonucleotides. <i>Pharmaceutical Research</i> , 1992, 09, 441-449.	1.7	141
81	Squalene Based Nanocomposites: A New Platform for the Design of Multifunctional Pharmaceutical Theragnostics. <i>ACS Nano</i> , 2011, 5, 1513-1521.	7.3	141
82	Phase I clinical trial and pharmacokinetic evaluation of doxorubicin carried by polyisohexylcyanoacrylate nanoparticles. <i>Investigational New Drugs</i> , 1992, 10, 191-199.	1.2	139
83	Tissue Distribution of Antitumor Drugs Associated with Polyalkylcyanoacrylate Nanoparticles. <i>Journal of Pharmaceutical Sciences</i> , 1980, 69, 199-202.	1.6	137
84	Treatment of experimental salmonellosis in mice with ampicillin-bound nanoparticles. <i>Antimicrobial Agents and Chemotherapy</i> , 1989, 33, 1540-1543.	1.4	135
85	Analysis of plasma protein adsorption onto PEGylated nanoparticles by complementary methods: 2-DE, CE and Protein Lab-on-chip [®] system. <i>Electrophoresis</i> , 2007, 28, 2252-2261.	1.3	135
86	Fe ₃ O ₄ /chitosan nanocomposite for magnetic drug targeting to cancer. <i>Journal of Materials Chemistry</i> , 2012, 22, 7622.	6.7	132
87	Lipid Conjugated Oligonucleotides: A Useful Strategy for Delivery. <i>Bioconjugate Chemistry</i> , 2012, 23, 1091-1104.	1.8	131
88	Towards an Improved anti-HIV Activity of NRTI via Metal-Organic Frameworks Nanoparticles. <i>Advanced Healthcare Materials</i> , 2013, 2, 1630-1637.	3.9	130
89	Role of spleen macrophages in the clearance of scrapie agent early in pathogenesis. , 2000, 190, 495-502.		129
90	PEGylated polycyanoacrylate nanoparticles as vector for drug delivery in prion diseases. <i>Journal of Neuroscience Methods</i> , 2001, 111, 151-155.	1.3	129

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91	Cyclodextrin and Polysaccharide-Based Nanogels: Entrapment of Two Hydrophobic Molecules, Benzophenone and Tamoxifen. <i>Biomacromolecules</i> , 2009, 10, 547-554.	2.6	129
92	In vitro model for the degradation of alkylcyanoacrylate nanoparticles. <i>Biomaterials</i> , 1990, 11, 590-595.	5.7	128
93	Enhanced cytotoxicity of doxorubicin encapsulated in polyisohexylcyanoacrylate nanospheres against multidrug-resistant tumour cells in culture. <i>European Journal of Cancer</i> , 1994, 30, 89-93.	1.3	128
94	Intraocular injection of tamoxifen-loaded nanoparticles: a new treatment of experimental autoimmune uveoretinitis. <i>European Journal of Immunology</i> , 2004, 34, 3702-3712.	1.6	128
95	Palladium: a future key player in the nanomedical field?. <i>Chemical Science</i> , 2015, 6, 2153-2157.	3.7	128
96	Pegylated nanoparticles from a novel methoxypolyethylene glycol cyanoacrylate-hexadecyl cyanoacrylate amphiphilic copolymer. <i>Pharmaceutical Research</i> , 1998, 15, 550-556.	1.7	127
97	Versatile and Efficient Targeting Using a Single Nanoparticulate Platform: Application to Cancer and Alzheimer's Disease. <i>ACS Nano</i> , 2012, 6, 5866-5879.	7.3	127
98	Polysaccharides Grafted with Polyesters: Novel Amphiphilic Copolymers for Biomedical Applications. <i>Macromolecules</i> , 2002, 35, 9861-9867.	2.2	124
99	Tissue distribution of doxorubicin associated with polyisohexylcyanoacrylate nanoparticles. <i>Cancer Chemotherapy and Pharmacology</i> , 1990, 26, 13-18.	1.1	123
100	Biodegradable polyalkylcyanoacrylate nanoparticles for the delivery of oligonucleotides. <i>Journal of Controlled Release</i> , 1998, 53, 137-143.	4.8	123
101	Cationic Vectors in Ocular Drug Delivery. <i>Journal of Drug Targeting</i> , 2004, 12, 623-633.	2.1	122
102	Adsorption of oligonucleotides onto polyisohexylcyanoacrylate nanoparticles protects them against nucleases and increases their cellular uptake. <i>Pharmaceutical Research</i> , 1994, 11, 1370-1378.	1.7	121
103	Actinomycin D adsorbed on polymethylcyanoacrylate nanoparticles: Increased efficiency against an experimental tumor. <i>European Journal of Cancer</i> , 1980, 16, 1441-1445.	1.0	120
104	EWS Fli-1 Antisense Nanocapsules Inhibits Ewing Sarcoma-Related Tumor in Mice. <i>Biochemical and Biophysical Research Communications</i> , 2000, 279, 401-406.	1.0	119
105	Preparation and in vitro evaluation of chitosan nanoparticles containing a caspase inhibitor. <i>International Journal of Pharmaceutics</i> , 2005, 298, 378-383.	2.6	118
106	A Smart Metal-Organic Framework Nanomaterial for Lung Targeting. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 15565-15569.	7.2	118
107	Temperature-dependent rheological behavior of Pluronic F-127 aqueous solutions. <i>International Journal of Pharmaceutics</i> , 1987, 39, 121-127.	2.6	116
108	Disposition Kinetics and Oral Bioavailability of Vincamine-Loaded Polyalkyl Cyanoacrylate Nanoparticles. <i>Journal of Pharmaceutical Sciences</i> , 1986, 75, 955-958.	1.6	115

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109	Squalenoylation: A generic platform for nanoparticulate drug delivery. <i>Journal of Controlled Release</i> , 2012, 161, 609-618.	4.8	115
110	A new nanomedicine of gemcitabine displays enhanced anticancer activity in sensitive and resistant leukemia types. <i>Journal of Controlled Release</i> , 2007, 124, 20-27.	4.8	114
111	Discovery of New Hexagonal Supramolecular Nanostructures Formed by Squalenoylation of an Anticancer Nucleoside Analogue. <i>Small</i> , 2008, 4, 247-253.	5.2	114
112	Hepatic tissue distribution of doxorubicin-loaded nanoparticles after i.v. administration in reticulosarcoma M 5076 metastasis-bearing mice. <i>Cancer Chemotherapy and Pharmacology</i> , 1990, 26, 122-126.	1.1	113
113	Uptake of doxorubicin from loaded nanoparticles in multidrug-resistant leukemic murine cells. <i>Cancer Chemotherapy and Pharmacology</i> , 1994, 33, 504-508.	1.1	113
114	Self-Assembled Squalenoylated Penicillin Bioconjugates: An Original Approach for the Treatment of Intracellular Infections. <i>ACS Nano</i> , 2012, 6, 3820-3831.	7.3	112
115	Nanotechnology for therapy and imaging of liver diseases. <i>Journal of Hepatology</i> , 2011, 55, 1461-1466.	1.8	111
116	Polymer nanocarriers for the delivery of small fragments of nucleic acids: Oligonucleotides and siRNA. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2009, 71, 490-504.	2.0	110
117	Antibody-functionalized polymer nanoparticle leading to memory recovery in Alzheimer's disease-like transgenic mouse model. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2018, 14, 609-618.	1.7	109
118	Novel core(polyester)-shell(polysaccharide) nanoparticles: protein loading and surface modification with lectins. <i>Journal of Controlled Release</i> , 2003, 92, 103-112.	4.8	108
119	Liposomes and nanoparticles in the treatment of intracellular bacterial infections. <i>Pharmaceutical Research</i> , 1991, 08, 1079-1086.	1.7	107
120	Toxicity of Polyalkylcyanoacrylate Nanoparticles I: Free Nanoparticles. <i>Journal of Pharmaceutical Sciences</i> , 1982, 71, 786-790.	1.6	106
121	The Effect of Site of Administration in the Gastrointestinal Tract on the Absorption of Insulin from Nanocapsules in Diabetic Rats. <i>Journal of Pharmacy and Pharmacology</i> , 2011, 43, 1-5.	1.2	106
122	Advanced nanomedicines for the treatment of inflammatory diseases. <i>Advanced Drug Delivery Reviews</i> , 2020, 157, 161-178.	6.6	105
123	Multiple emulsion technology for the design of microspheres containing peptides and oligopeptides. <i>Advanced Drug Delivery Reviews</i> , 1997, 28, 85-96.	6.6	104
124	Liposomes dispersed within a thermosensitive gel: a new dosage form for ocular delivery of oligonucleotides. <i>Pharmaceutical Research</i> , 1998, 15, 1364-1369.	1.7	102
125	Encapsulation of gemcitabine lipophilic derivatives into polycyanoacrylate nanospheres and nanocapsules. <i>International Journal of Pharmaceutics</i> , 2007, 344, 71-77.	2.6	102
126	Novel Approaches to Deliver Gemcitabine to Cancers. <i>Current Pharmaceutical Design</i> , 2008, 14, 1124-1137.	0.9	101

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127	Novel Polysaccharide-Decorated Poly(Isobutyl Cyanoacrylate) Nanoparticles. <i>Pharmaceutical Research</i> , 2003, 20, 1786-1793.	1.7	100
128	Physicochemical characterization of ultrasmall superparamagnetic iron oxide particles (USPIO) for biomedical application as MRI contrast agents. <i>International Journal of Nanomedicine</i> , 2007, 2, 609-22.	3.3	100
129	In Vivo Uptake of Polyisobutyl Cyanoacrylate Nanoparticles by Rat Liver Kupffer, Endothelial, and Parenchymal Cells. <i>Journal of Pharmaceutical Sciences</i> , 1984, 73, 980-982.	1.6	99
130	Polyalkylcyanoacrylate nanoparticles as drug carrier: present state and perspectives. <i>Journal of Controlled Release</i> , 1991, 17, 187-198.	4.8	99
131	High-Relaxivity Magnetic Resonance Imaging (MRI) Contrast Agent Based on Supramolecular Assembly between a Gadolinium Chelate, a Modified Dextran, and Poly-β-Cyclodextrin. <i>Chemistry - A European Journal</i> , 2008, 14, 4551-4561.	1.7	99
132	Negative preclinical results with stealth® nanospheres-encapsulated Doxorubicin in an orthotopic murine brain tumor model. <i>Journal of Controlled Release</i> , 2004, 100, 29-40.	4.8	97
133	A relevant in vitro rat model for the evaluation of blood-brain barrier translocation of nanoparticles. <i>Cellular and Molecular Life Sciences</i> , 2005, 62, 1400-1408.	2.4	97
134	Self-assembled nucleolipids: from supramolecular structure to soft nucleic acid and drug delivery devices. <i>Nucleic Acids Research</i> , 2012, 40, 1891-1903.	6.5	97
135	Systemically Administered Brain-Targeted Nanoparticles Transport Peptides across the Blood-Brain Barrier and Provide Neuroprotection. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2015, 35, 469-475.	2.4	97
136	Small-Angle Neutron and X-ray Scattering from Amphiphilic Stimuli-Responsive Diamond-Type Bicontinuous Cubic Phase. <i>Journal of the American Chemical Society</i> , 2007, 129, 13474-13479.	6.6	96
137	Porous metal organic framework nanoparticles to address the challenges related to busulfan encapsulation. <i>Nanomedicine</i> , 2011, 6, 1683-1695.	1.7	95
138	Doxorubicin-Loaded Nanoparticles: Increased Efficiency in Murine Hepatic Metastases. <i>Selective Cancer Therapeutics</i> , 1989, 5, 1-11.	0.5	94
139	Spongelike Alginate Nanoparticles as a New Potential System for the Delivery of Antisense Oligonucleotides. <i>Oligonucleotides</i> , 1999, 9, 301-312.	4.4	94
140	Lipid prodrug nanocarriers in cancer therapy. <i>Journal of Controlled Release</i> , 2015, 208, 25-41.	4.8	94
141	The Effect of Suture Technique on Adhesion Formation after Flexor Tendon Repair for Partial Lacerations in a Canine Model. <i>Journal of Trauma</i> , 2001, 51, 917-921.	2.3	93
142	Efficacy of siRNA Nanocapsules Targeted Against the EWS-Fli1 Oncogene in Ewing Sarcoma. <i>Pharmaceutical Research</i> , 2006, 23, 892-900.	1.7	93
143	Intravitreal administration of antisense oligonucleotides: potential of liposomal delivery. <i>Progress in Retinal and Eye Research</i> , 2000, 19, 131-147.	7.3	91
144	Synthesis of poly(alkyl cyanoacrylate)-based colloidal nanomedicines. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2009, 1, 111-127.	3.3	91

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145	Innovative nanotechnologies for the delivery of oligonucleotides and siRNA. <i>Biomedicine and Pharmacotherapy</i> , 2006, 60, 607-620.	2.5	88
146	Squalenoyl gemcitabine nanomedicine overcomes the low efficacy of gemcitabine therapy in pancreatic cancer. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2011, 7, 841-849.	1.7	88
147	Oligonucleotides encapsulated in pH sensitive liposomes are efficient toward Friend retrovirus. <i>Biochemical and Biophysical Research Communications</i> , 1992, 183, 879-885.	1.0	87
148	A Smart Metal-Organic Framework Nanomaterial for Lung Targeting. <i>Angewandte Chemie</i> , 2017, 129, 15771-15775.	1.6	87
149	Squalenylation Favorably Modifies the in Vivo Pharmacokinetics and Biodistribution of Gemcitabine in Mice. <i>Drug Metabolism and Disposition</i> , 2008, 36, 1570-1577.	1.7	86
150	DNA/Fusogenic Lipid Nanocarrier Assembly: Millisecond Structural Dynamics. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 1959-1964.	2.1	86
151	Conjugation of squalene to gemcitabine as unique approach exploiting endogenous lipoproteins for drug delivery. <i>Nature Communications</i> , 2017, 8, 15678.	5.8	86
152	Transmembrane diffusion of gemcitabine by a nanoparticulate squalenoyl prodrug: An original drug delivery pathway. <i>Journal of Controlled Release</i> , 2010, 147, 163-170.	4.8	85
153	Spontaneous association of hydrophobized dextran and poly- β -cyclodextrin into nanoassemblies.. <i>Journal of Colloid and Interface Science</i> , 2007, 307, 83-93.	5.0	84
154	Investigation of the role of macrophages on the cytotoxicity of doxorubicin and doxorubicin-loaded nanoparticles on M5076 cells in vitro. <i>Journal of Controlled Release</i> , 2000, 68, 283-289.	4.8	83
155	Novel self-assembling nanogels: Stability and lyophilisation studies. <i>International Journal of Pharmaceutics</i> , 2007, 332, 185-191.	2.6	83
156	Nanoparticles with In Vivo Anticancer Activity from Polymer Prodrug Amphiphiles Prepared by Living Radical Polymerization. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 1678-1682.	7.2	83
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