Alexander V Kabanov

List of Publications by Year
in descending order

340	36,375	2101 100	3579 181
papers	citations	h-index	g-index

369	369	369	28396
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Endocytosis of nanomedicines. Journal of Controlled Release, 2010, 145, 182-195.	9.9	1,755
2	Exosomes as drug delivery vehicles for Parkinson's disease therapy. Journal of Controlled Release, 2015, 207, 18-30.	9.9	1,363
3	PluronicÂ® block copolymers as novel polymer therapeutics for drug and gene delivery. Journal of Controlled Release, 2002, 82, 189-212.	9.9	1,310
4	Nanogels as Pharmaceutical Carriers: Finite Networks of Infinite Capabilities. Angewandte Chemie - International Edition, 2009, 48, 5418-5429.	13.8	1,134
5	Pluronic block copolymers: Evolution of drug delivery concept from inert nanocarriers to biological response modifiers. Journal of Controlled Release, 2008, 130, 98-106.	9.9	1,091
6	Development of exosome-encapsulated paclitaxel to overcome MDR in cancer cells. Nanomedicine: Nanotechnology, Biology, and Medicine, 2016, 12, 655-664.	3.3	991
7	Nanosized cationic hydrogels for drug delivery: preparation, properties and interactions with cells. Advanced Drug Delivery Reviews, 2002, 54, 135-147.	13.7	705
8	PluronicÂ® block copolymers for overcoming drug resistance in cancer. Advanced Drug Delivery Reviews, 2002, 54, 759-779.	13.7	579
9	DNA Complexes with Polycations for the Delivery of Genetic Material into Cells. Bioconjugate Chemistry, 1995, 6, 7-20.	3.6	481
10	Engineering macrophage-derived exosomes for targeted paclitaxel delivery to pulmonary metastases: in vitro and in vivo evaluations. Nanomedicine: Nanotechnology, Biology, and Medicine, 2018, 14, 195-204.	3.3	469
11	Micelle Formation and Solubilization of Fluorescent Probes in Poly(oxyethylene-b-oxypropylene-b-oxyethylene) Solutions. Macromolecules, 1995, 28, 2303-2314.	4.8	439
12	Soluble Stoichiometric Complexes from Poly(N-ethyl-4-vinylpyridinium) Cations and Poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	4.8	418
13	Macrophage exosomes as natural nanocarriers for protein delivery to inflamed brain. Biomaterials, 2017, 142, 1-12.	11.4	411
14	Poly(2â€oxazoline)s as Polymer Therapeutics. Macromolecular Rapid Communications, 2012, 33, 1613-1631.	3.9	392
15	Pluronic? Block Copolymers in Drug Delivery: from Micellar Nanocontainers to Biological Response Modifiers. Critical Reviews in Therapeutic Drug Carrier Systems, 2002, 19, 1-72.	2.2	383
16	Evaluation of polyplexes as gene transfer agents. Journal of Controlled Release, 2001, 73, 401-416.	9.9	375
17	Evaluation of polyether-polyethyleneimine graft copolymers as gene transfer agents. Gene Therapy, 2000, 7, 126-138.	4.5	351
18	Nanogels for Oligonucleotide Delivery to the Brain. Bioconjugate Chemistry, 2004, 15, 50-60.	3.6	345

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19	Nanocarriers for delivery of platinum anticancer drugs. Advanced Drug Delivery Reviews, 2013, 65, 1667-1685.	13.7	345
20	PluronicÂ® block copolymers: novel functional molecules for gene therapy. Advanced Drug Delivery Reviews, 2002, 54, 223-233.	13.7	327
21	Synthesis and Evaluation of a Star Amphiphilic Block Copolymer from Poly(Îµ-caprolactone) and Poly(ethylene glycol) as a Potential Drug Delivery Carrier. Bioconjugate Chemistry, 2005, 16, 397-405.	3.6	301
22	Interpolyelectrolyte and block ionomer complexes for gene delivery: physico-chemical aspects. Advanced Drug Delivery Reviews, 1998, 30, 49-60.	13.7	297
23	Relationship between Pluronic Block Copolymer Structure, Critical Micellization Concentration and Partitioning Coefficients of Low Molecular Mass Solutes. Macromolecules, 2000, 33, 3305-3313.	4.8	297
24	PluronicÂ® block copolymers as modulators of drug efflux transporter activity in the bloodâ€“brain barrier. Advanced Drug Delivery Reviews, 2003, 55, 151-164.	13.7	296
25	Hypersensitization of Multidrug Resistant Human Ovarian Carcinoma Cells by Pluronic P85 Block Copolymer. Bioconjugate Chemistry, 1996, 7, 209-216.	3.6	285
26	Polymeric micelles for the delivery of poorly soluble drugs: From nanoformulation to clinical approval. Advanced Drug Delivery Reviews, 2020, 156, 80-118.	13.7	282
27	Accelerating the Translation of Nanomaterials in Biomedicine. ACS Nano, 2015, 9, 6644-6654.	14.6	279
28	Spontaneous Formation of Vesicles from Complexes of Block Ionomers and Surfactants. Journal of the American Chemical Society, 1998, 120, 9941-9942.	13.7	277
29	A new class of drug carriers: micelles of poly(oxyethylene)-poly(oxypropylene) block copolymers as microcontainers for drug targeting from blood in brain. Journal of Controlled Release, 1992, 22, 141-157.	9.9	276
30	Micellar enzymology: its relation to membranology. Biochimica Et Biophysica Acta - Biomembranes, 1989, 981, 161-172.	2.6	274
31	Cell-mediated drug delivery. Expert Opinion on Drug Delivery, 2011, 8, 415-433.	5.0	274
32	The neuroleptic activity of haloperidol increases after its solubilization in surfactant micelles. FEBS Letters, 1989, 258, 343-345.	2.8	266
33	Fundamental relationships between the composition of pluronic block copolymers and their hypersensitization effect in MDR cancer cells. Pharmaceutical Research, 1999, 16, 1373-1379.	3.5	266
34	Water-Soluble Block Polycations as Carriers for Oligonucleotide Delivery. Bioconjugate Chemistry, 1995, 6, 639-643.	3.6	263
35	Poly(2-oxazoline)s based biomaterials: A comprehensive and critical update. Biomaterials, 2018, 178, 204-280.	11.4	259
36	Doubly amphiphilic poly(2-oxazoline)s as high-capacity delivery systems for hydrophobic drugs. Biomaterials, 2010, 31, 4972-4979.	11.4	256

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37	Polymer Micelle with Cross-Linked Ionic Core. Journal of the American Chemical Society, 2005, 127, 8236-8237.	13.7	254
38	Brief update on endocytosis of nanomedicines. Advanced Drug Delivery Reviews, 2019, 144, 90-111.	13.7	251
39	Optimal Structure Requirements for Pluronic Block Copolymers in Modifying P-glycoprotein Drug Efflux Transporter Activity in Bovine Brain Microvessel Endothelial Cells. Journal of Pharmacology and Experimental Therapeutics, 2003, 304, 845-854.	2.5	240
40	Self-Assembly of Polyamineâ^'Poly(ethylene glycol) Copolymers with Phosphorothioate Oligonucleotides. Bioconjugate Chemistry, 1998, 9, 805-812.	3.6	237
41	Block copolymer-based formulation of doxorubicin. From cell screen to clinical trials. Colloids and Surfaces B: Biointerfaces, 1999, 16, 113-134.	5.0	234
42	Polymer micelles with cross-linked polyanion core for delivery of a cationic drug doxorubicin. Journal of Controlled Release, 2009, 138, 197-204.	9.9	234
43	Nanomedicine in the diagnosis and therapy of neurodegenerative disorders. Progress in Polymer Science, 2007, 32, 1054-1082.	24.7	225
44	Soluble Complexes from Poly(ethylene oxide)-block-polymethacrylate Anions andN-Alkylpyridinium Cations. Macromolecules, 1997, 30, 3519-3525.	4.8	224
45	Micellar formulations for drug delivery based on mixtures of hydrophobic and hydrophilic PluronicÂ® block copolymers. Journal of Controlled Release, 2004, 94, 411-422.	9.9	220
46	Folate-decorated nanogels for targeted therapy of ovarian cancer. Biomaterials, 2011, 32, 5417-5426.	11.4	211
47	Anthracycline antibiotics non-covalently incorporated into the block copolymer micelles: in vivo evaluation of anti-cancer activity. British Journal of Cancer, 1996, 74, 1545-1552.	6.4	209
48	A combination of poloxamers increases gene expression of plasmid DNA in skeletal muscle. Gene Therapy, 2000, 7, 986-991.	4.5	208
49	Poly(ethylene glycol)â€“polyethyleneimine NanoGelâ„¢ particles: novel drug delivery systems for antisense oligonucleotides. Colloids and Surfaces B: Biointerfaces, 1999, 16, 291-304.	5.0	206
50	Mechanism of sensitization of MDR cancer cells by Pluronic block copolymers: Selective energy depletion. British Journal of Cancer, 2001, 85, 1987-1997.	6.4	203
51	Novel Nanomaterials for Clinical Neuroscience. Journal of NeuroImmune Pharmacology, 2008, 3, 83-94.	4.1	199
52	Photocontrolled Self-Assembly and Disassembly of Block Ionomer Complex Vesicles: A Facile Approach toward Supramolecular Polymer Nanocontainers. Langmuir, 2010, 26, 709-715.	3.5	196
53	Pluronic P85 increases permeability of a broad spectrum of drugs in polarized BBMEC and Caco-2 cell monolayers. Pharmaceutical Research, 1999, 16, 1366-1372.	3.5	192
54	Polymer genomics: An insight into pharmacology and toxicology of nanomedicinesâ˜†. Advanced Drug Delivery Reviews, 2006, 58, 1597-1621.	13.7	189

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55	Pluronics and MDR Reversal: An Update. Molecular Pharmaceutics, 2014, 11, 2566-2578.	4.6	186
56	Structure-property relationship in cytotoxicity and cell uptake of poly(2-oxazoline) amphiphiles. Journal of Controlled Release, 2011, 153, 73-82.	9.9	183
57	Towards nanomedicines of the future: Remote magneto-mechanical actuation of nanomedicines by alternating magnetic fields. Journal of Controlled Release, 2015, 219, 43-60.	9.9	179
58	Polymer micelles with cross-linked ionic cores for delivery of anticancer drugs. Journal of Controlled Release, 2006, 114, 163-174.	9.9	177
59	A Macrophageâ^'Nanozyme Delivery System for Parkinson's Disease. Bioconjugate Chemistry, 2007, 18, 1498-1506.	3.6	177
60	Polyplex Nanogel formulations for drug delivery of cytotoxic nucleoside analogs. Journal of Controlled Release, 2005, 107, 143-157.	9.9	173
61	Different Internalization Pathways of Polymeric Micelles and Unimers and Their Effects on Vesicular Transport. Bioconjugate Chemistry, 2008, 19, 2023-2029.	3.6	163
62	Co-delivery of paclitaxel and cisplatin in poly(2-oxazoline) polymeric micelles: Implications for drug loading, release, pharmacokinetics and outcome of ovarian and breast cancer treatments. Biomaterials, 2019, 192, 1-14.	11.4	158
63	Effect of Pluronic P85 on ATPase Activity of Drug Efflux Transporters. Pharmaceutical Research, 2004, 21, 2226-2233.	3.5	155
64	Interactions of Pluronic Block Copolymers with Brain Microvessel Endothelial Cells:Â Evidence of Two Potential Pathways for Drug Absorption. Bioconjugate Chemistry, 1997, 8, 649-657.	3.6	154
65	Macrophage delivery of therapeutic nanozymes in a murine model of Parkinsonâ€™s disease. Nanomedicine, 2010, 5, 379-396.	3.3	154
66	A high capacity polymeric micelle of paclitaxel: Implication of high dose drug therapy to safety and inÂvivo anti-cancer activity. Biomaterials, 2016, 101, 296-309.	11.4	151
67	Effects of pluronic block copolymers on drug absorption in Caco-2 cell monolayers. Pharmaceutical Research, 1998, 15, 850-855.	3.5	150
68	The exploitation of differential endocytic pathways in normal and tumor cells in the selective targeting of nanoparticulate chemotherapeutic agents. Biomaterials, 2010, 31, 923-933.	11.4	145
69	Recognition of DNA Topology in Reactions between Plasmid DNA and Cationic Copolymers. Journal of the American Chemical Society, 2000, 122, 8339-8343.	13.7	142
70	Effects of pluronic and doxorubicin on drug uptake, cellular metabolism, apoptosis and tumor inhibition in animal models of MDR cancers. Journal of Controlled Release, 2010, 143, 290-301.	9.9	142
71	Pluronic block copolymers alter apoptotic signal transduction of doxorubicin in drug-resistant cancer cells. Journal of Controlled Release, 2005, 105, 269-278.	9.9	140
72	Polyion Complex Micelles with Protein-Modified Corona for Receptor-Mediated Delivery of Oligonucleotides into Cells. Bioconjugate Chemistry, 1999, 10, 851-860.	3.6	136

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73	Design and Formulation of Polyplexes Based on Pluronic-Polyethyleneimine Conjugates for Gene Transfer. Bioconjugate Chemistry, 2002, 13, 937-944.	3.6	136
74	Block and Graft Copolymers and Nanogelâ„¢ Copolymer Networks for DNA Delivery into Cell. Journal of Drug Targeting, 2000, 8, 91-105.	4.4	133
75	Effects of Block Length and Structure of Surfactant on Self-Assembly and Solution Behavior of Block Ionomer Complexes. Langmuir, 2000, 16, 481-489.	3.5	133
76	Differential metabolic responses to pluronic in MDR and non-MDR cells: A novel pathway for chemosensitization of drug resistant cancers. Journal of Controlled Release, 2010, 142, 89-100.	9.9	132
77	Drug Combination Synergy in Worm-like Polymeric Micelles Improves Treatment Outcome for Small Cell and Non-Small Cell Lung Cancer. ACS Nano, 2018, 12, 2426-2439.	14.6	132
78	An essential relationship between ATP depletion and chemosensitizing activity of PluronicÂ® block copolymers. Journal of Controlled Release, 2003, 91, 75-83.	9.9	131
79	Effects of pluronic P85 unimers and micelles on drug permeability in polarized BBMEC and Caco-2 cells. Pharmaceutical Research, 1998, 15, 1525-1532.	3.5	130
80	Bacteria Boost Mammalian Host NAD Metabolism by Engaging the Deamidated Biosynthesis Pathway. Cell Metabolism, 2020, 31, 564-579.e7.	16.2	130
81	Drug-Induced Morphology Switch in Drug Delivery Systems Based on Poly(2-oxazoline)s. ACS Nano, 2014, 8, 2686-2696.	14.6	125
82	Macrophage-Derived Extracellular Vesicles as Drug Delivery Systems for Triple Negative Breast Cancer (TNBC) Therapy. Journal of NeuroImmune Pharmacology, 2020, 15, 487-500.	4.1	125
83	Specific Transfection of Inflamed Brain by Macrophages: A New Therapeutic Strategy for Neurodegenerative Diseases. PLoS ONE, 2013, 8, e61852.	2.5	124
84	Taking polycation gene delivery systems from in vitro to in vivo. Pharmaceutical Science & Technology Today, 1999, 2, 365-372.	0.7	123
85	Macrophages with cellular backpacks for targeted drug delivery to the brain. Biomaterials, 2017, 140, 79-87.	11.4	121
86	New Technologies for Drug Delivery Across the Blood Brain Barrier. Current Pharmaceutical Design, 2004, 10, 1355-1363.	1.9	121
87	Polymeric Micelles with Ionic Cores Containing Biodegradable Cross-Links for Delivery of Chemotherapeutic Agents. Biomacromolecules, 2010, 11, 919-926.	5.4	119
88	Self-Assembly in Mixtures of Poly(ethylene oxide)-graft-Poly(ethyleneimine) and Alkyl Sulfates. Langmuir, 1998, 14, 6101-6106.	3.5	116
89	Inhibition of multidrug resistance-associated protein (MRP) functional activity with pluronic block copolymers. Pharmaceutical Research, 1999, 16, 396-401.	3.5	116
90	Facilitated Monocyte-Macrophage Uptake and Tissue Distribution of Superparmagnetic Iron-Oxide Nanoparticles. PLoS ONE, 2009, 4, e4343.	2.5	116

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91	Sensitization of cells overexpressing multidrug-resistant proteins by pluronic P85. Pharmaceutical Research, 2003, 20, 1581-1590.	3.5	115
92	Can nanomedicines kill cancer stem cells?. Advanced Drug Delivery Reviews, 2013, 65, 1763-1783.	13.7	114
93	Distribution kinetics of a micelle-forming block copolymer Pluronic P85. Journal of Controlled Release, 2004, 100, 389-397.	9.9	113
94	GDNF-Transfected Macrophages Produce Potent Neuroprotective Effects in Parkinson's Disease Mouse Model. PLoS ONE, 2014, 9, e106867.	2.5	111
95	Synergistic Combinations of Multiple Chemotherapeutic Agents in High Capacity Poly(2-oxazoline) Micelles. Molecular Pharmaceutics, 2012, 9, 2302-2313.	4.6	110
96	Environmentally Responsive Nanoparticles from Block Ionomer Complexes:Â Effects of pH and Ionic Strength. Langmuir, 2003, 19, 8069-8076.	3.5	109
97	Pluronic Block Copolymers for Gene Delivery. Advances in Genetics, 2005, 53PA, 231-261.	1.8	107
98	Analyses of nanoformulated antiretroviral drug charge, size, shape and content for uptake, drug release and antiviral activities in human monocyte-derived macrophages. Journal of Controlled Release, 2011, 150, 204-211.	9.9	107
99	A new class of antivirals: antisense oligonucleotides combined with a hydrophobic substituent effectively inhibit influenza virus reproduction and synthesis of virus-specific proteins in MDCK cells. FEBS Letters, 1990, 259, 327-330.	2.8	103
100	A simple way to enhance DoxilÂ® therapy: Drug release from liposomes at the tumor site by amphiphilic block copolymer. Journal of Controlled Release, 2013, 168, 61-69.	9.9	101
101	VEGF-targeted magnetic nanoparticles for MRI visualization of brain tumor. Nanomedicine: Nanotechnology, Biology, and Medicine, 2015, 11, 825-833.	3.3	101
102	Block copolymeric biotransport carriers as versatile vehicles for drug delivery. Expert Opinion on Investigational Drugs, 1998, 7, 1453-1473.	4.1	99
103	Well-defined cross-linked antioxidant nanozymes for treatment of ischemic brain injury. Journal of Controlled Release, 2012, 162, 636-645.	9.9	99
104	Amphiphysin I Antisense Oligonucleotides Inhibit Neurite Outgrowth in Cultured Hippocampal Neurons. Journal of Neuroscience, 1998, 18, 93-103.	3.6	98
105	Biodegradable hybrid polymer micelles for combination drug therapy in ovarian cancer. Journal of Controlled Release, 2013, 171, 339-348.	9.9	98
106	Enzymes entrapped in reversed micelles of surfactants in organic solvents: A theoretical treatment of the catalytic activity regulation. Journal of Theoretical Biology, 1988, 133, 327-343.	1.7	97
107	Polymer genomics: shifting the gene and drug delivery paradigms. Journal of Controlled Release, 2005, 101, 259-271.	9.9	96
108	Synthesis and Characterization of Star Poly(Îµ-caprolactone)-b-Poly(ethylene glycol) and Poly(<scp>l</scp>-lactide)-b-Poly(ethylene glycol) Copolymers: Evaluation as Drug Delivery Carriers. Bioconjugate Chemistry, 2008, 19, 1423-1429.	3.6	92

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109	Core cross-linked block ionomer micelles as pH-responsive carriers for cis-diamminedichloroplatinum(II). Journal of Controlled Release, 2011, 153, 64-72.	9.9	90
110	Neuronal uptake and intracellular superoxide scavenging of a fullerene (C60)-poly(2-oxazoline)s nanoformulation. Biomaterials, 2011, 32, 3654-3665.	11.4	90
111	The uptake of N-(2-hydroxypropyl)-methacrylamide based homo, random and block copolymers by human multi-drug resistant breast adenocarcinoma cells. Biomaterials, 2009, 30, 5682-5690.	11.4	89
112	DNA interpolyelectrolyte complexes as a tool for efficient cell transformation. Biopolymers, 1991, 31, 1437-1443.	2.4	88
113	Agile delivery of protein therapeutics to CNS. Journal of Controlled Release, 2014, 190, 637-663.	9.9	88
114	Amphiphilic Block Copolymers Enhance Cellular Uptake and Nuclear Entry of Polyplex-Delivered DNA. Bioconjugate Chemistry, 2008, 19, 1987-1994.	3.6	87
115	Poly(2-oxazoline) based micelles with high capacity for 3rd generation taxoids: Preparation, in vitro and in vivo evaluation. Journal of Controlled Release, 2015, 208, 67-75.	9.9	87
116	A simple and highly effective catalytic nanozyme scavenger for organophosphorus neurotoxins. Journal of Controlled Release, 2017, 247, 175-181.	9.9	86
117	Novel drug delivery systems based on the complexes of block ionomers and surfactants of opposite charge. Colloids and Surfaces B: Biointerfaces, 1999, 16, 243-251.	5.0	85
118	Prevention of MDR development in leukemia cells by micelle-forming polymeric surfactant. Journal of Controlled Release, 2008, 131, 220-227.	9.9	85
119	Block ionomer complexes as prospective nanocontainers for drug delivery. Journal of Controlled Release, 2006, 115, 9-17.	9.9	83
120	Macrophage folate receptor-targeted antiretroviral therapy facilitates drug entry, retention, antiretroviral activities and biodistribution for reduction of human immunodeficiency virus infections. Nanomedicine: Nanotechnology, Biology, and Medicine, 2013, 9, 1263-1273.	3.3	83
121	TPP1 Delivery to Lysosomes with Extracellular Vesicles and their Enhanced Brain Distribution in the Animal Model of Batten Disease. Advanced Healthcare Materials, 2019, 8, e1801271.	7.6	83
122	Macrophages offer a paradigm switch for CNS delivery of therapeutic proteins. Nanomedicine, 2014, 9, 1403-1422.	3.3	78
123	Transcriptional Activation of Gene Expression by Pluronic Block Copolymers in Stably and Transiently Transfected Cells. Molecular Therapy, 2006, 13, 804-813.	8.2	77
124	A Thermodynamic Characterization of the Interaction of a Cationic Copolymer with DNA. Journal of Physical Chemistry B, 2001, 105, 6042-6050.	2.6	76
125	Polypeptide Point Modifications with Fatty Acid and Amphiphilic Block Copolymers for Enhanced Brain Delivery. Bioconjugate Chemistry, 2005, 16, 793-802.	3.6	76
126	Effect of Doxorubicin/Pluronic SP1049C on Tumorigenicity, Aggressiveness, DNA Methylation and Stem Cell Markers in Murine Leukemia. PLoS ONE, 2013, 8, e72238.	2.5	76

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127	Cross-linked antioxidant nanozymes for improved delivery to CNS. Nanomedicine: Nanotechnology, Biology, and Medicine, 2012, 8, 119-129.	3.3	75
128	Mixed Valence Copper(I,II) Binuclear Complexes with Unexpected Structure: Synthesis, Biological Properties and Anticancer Activity. Journal of Medicinal Chemistry, 2014, 57, 6252-6258.	6.4	75
129	Synthesis of Vesicles on Polymer Template. Journal of the American Chemical Society, 2002, 124, 11872-11873.	13.7	74
130	Conjugates of Superoxide Dismutase 1 with Amphiphilic Poly(2-oxazoline) Block Copolymers for Enhanced Brain Delivery: Synthesis, Characterization and Evaluation in Vitro and in Vivo. Molecular Pharmaceutics, 2013, 10, 360-377.	4.6	74
131	A reanalysis of nanoparticle tumor delivery using classical pharmacokinetic metrics. Science Advances, 2020, 6, eaay9249.	10.3	73
132	Nano-particle delivery of brain derived neurotrophic factor after focal cerebral ischemia reduces tissue injury and enhances behavioral recovery. Pharmacology Biochemistry and Behavior, 2016, 150-151, 48-56.	2.9	71
133	The attenuation of central angiotensin II-dependent pressor response and intra-neuronal signaling by intracarotid injection of nanoformulated copper/zinc superoxide dismutase. Biomaterials, 2010, 31, 5218-5226.	11.4	70
134	Interaction of Nanosized Copolymer Networks with Oppositely Charged Amphiphilic Molecules. Nano Letters, 2001, 1, 535-540.	9.1	69
135	SOD1 nanozyme salvages ischemic brain by locally protecting cerebral vasculature. Journal of Controlled Release, 2015, 213, 36-44.	9.9	69
136	Alteration of Genomic Responses to Doxorubicin and Prevention of MDR in Breast Cancer Cells by a Polymer Excipient:â€‰ Pluronic P85. Molecular Pharmaceutics, 2006, 3, 113-123.	4.6	68
137	Transport across the Blood-Brain Barrier of Pluronic Leptin. Journal of Pharmacology and Experimental Therapeutics, 2010, 333, 253-263.	2.5	68
138	Protein Modification with Amphiphilic Block Copoly(2-oxazoline)s as a New Platform for Enhanced Cellular Delivery. Molecular Pharmaceutics, 2010, 7, 984-992.	4.6	68
139	Novel Delivery System Enhances Efficacy of Antiretroviral Therapy in Animal Model for HIV-1 Encephalitis. Journal of Cerebral Blood Flow and Metabolism, 2007, 27, 1033-1042.	4.3	67
140	Cell-mediated transfer of catalase nanoparticles from macrophages to brain endothelial, glial and neuronal cells. Nanomedicine, 2011, 6, 1215-1230.	3.3	67
141	Block Ionomer Complexes with Polystyrene Core-Forming Block in Selective Solvents of Various Polarities. 1. Solution Behavior and Self-Assembly in Aqueous Media. Macromolecules, 2002, 35, 6351-6361.	4.8	66
142	Intranasal Administration as a Route for Drug Delivery to the Brain: Evidence for a Unique Pathway for Albumin. Journal of Pharmacology and Experimental Therapeutics, 2014, 351, 54-60.	2.5	65
143	Colloidal Stability of Aqueous Dispersions of Block Ionomer Complexes:Â Effects of Temperature and Salt. Langmuir, 2004, 20, 2066-2068.	3.5	64
144	Efficient transformation of mammalian cells using DNA interpolyelectrolyte complexes with carbon chain polycations. Bioconjugate Chemistry, 1993, 4, 448-454.	3.6	62

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145	Remote Actuation of Magnetic Nanoparticles For Cancer Cell Selective Treatment Through Cytoskeletal Disruption. Scientific Reports, 2016, 6, 33560.	3.3	62
146	Enhancement of the polycation-mediated DNA uptake and cell transfection with Pluronic P85 block copolymer. FEBS Letters, 1996, 389, 278-280.	2.8	59
147	Reduction of fibronectin expression by intravitreal administration of antisense oligonucleotides. Nature Biotechnology, 1999, 17, 476-479.	17.5	59
148	Coreâ€“shellâ€“corona doxorubicin-loaded superparamagnetic Fe 3 O 4 nanoparticles for cancer theranostics. Colloids and Surfaces B: Biointerfaces, 2015, 136, 1073-1080.	5.0	59
149	Promoter- and strain-selective enhancement of gene expression in a mouse skeletal muscle by a polymer excipient Pluronic P85. Journal of Controlled Release, 2005, 108, 496-512.	9.9	58
150	Active Targeted Macrophage-mediated Delivery of Catalase to Affected Brain Regions in Models of Parkinson?s Disease. Journal of Nanomedicine & Nanotechnology, 2011, 01, .	1.1	58
151	Bench-to-bedside translation of magnetic nanoparticles. Nanomedicine, 2014, 9, 501-516.	3.3	58
152	Poly(2â€oxazoline) block copolymer based formulations of taxanes: effect of copolymer and drug structure, concentration, and environmental factors. Polymers for Advanced Technologies, 2015, 26, 837-850.	3.2	58
153	Mixed Polymer Micelles of Amphiphilic and Cationic Copolymers for Delivery of Antisense Oligonucleotides. Journal of Drug Targeting, 2004, 12, 517-526.	4.4	57
154	Targeted Delivery of siRNA Lipoplexes to Cancer Cells Using Macrophage Transient Horizontal Gene Transfer. Advanced Science, 2019, 6, 1900582.	11.2	57
155	Polyion Complex Nanomaterials from Block Polyelectrolyte Micelles and Linear Polyelectrolytes of Opposite Charge:Â 1. Solution Behaviorâ€. Journal of Physical Chemistry B, 2007, 111, 8419-8425.	2.6	54
156	Polyelectrolyte complex optimization for macrophage delivery of redox enzyme nanoparticles. Nanomedicine, 2011, 6, 25-42.	3.3	54
157	Block ionomer complexes of PEG-block-poly(4-vinylbenzylphosphonate) and cationic surfactants as highly stable, pH responsive drug delivery system. Journal of Controlled Release, 2012, 160, 486-494.	9.9	54
158	LHRH-Targeted Nanogels as a Delivery System for Cisplatin to Ovarian Cancer. Molecular Pharmaceutics, 2013, 10, 3913-3921.	4.6	54
159	Nanoformulation of Brainâ€Derived Neurotrophic Factor with Target Receptorâ€Triggeredâ€Release in the Central Nervous System. Advanced Functional Materials, 2018, 28, 1703982.	14.9	54
160	Block copolymeric biotransport carriers as versatile vehicles for drug delivery. Expert Opinion on Biological Therapy, 2001, 1, 583-602.	3.1	53
161	Changing the Enzyme Reaction Rate in Magnetic Nanosuspensions by a Nonâ€Heating Magnetic Field. Angewandte Chemie - International Edition, 2012, 51, 12016-12019.	13.8	53
162	Treatment of glioma by cisplatin-loaded nanogels conjugated with monoclonal antibodies against Cx43 and BSAT1. Drug Delivery, 2015, 22, 276-285.	5.7	52

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163	Blood-borne macrophageâ€“neural cell interactions hitchhike on endosome networks for cell-based nanozyme brain delivery. Nanomedicine, 2012, 7, 815-833.	3.3	51
164	Cisplatin-loaded core cross-linked micelles: comparative pharmacokinetics, antitumor activity, and toxicity in mice. International Journal of Nanomedicine, 2012, 7, 2557.	6.7	51
165	Pluronic block copolymers and Pluronic poly(acrylic acid) microgels in oral delivery of megestrol acetate. Journal of Pharmacy and Pharmacology, 2010, 56, 1233-1241.	2.4	49
166	Pluronic-modified superoxide dismutase 1 attenuates angiotensin II-induced increase in intracellular superoxide in neurons. Free Radical Biology and Medicine, 2010, 49, 548-558.	2.9	49
167	Polymer Micelles as Drug Carriers. , 2006, , 57-93.		49
168	Fatty acid acylated Fab-fragments of antibodies to neurospecific proteins as carriers for neuroleptic targeted delivery in brain. FEBS Letters, 1991, 287, 149-152.	2.8	48
169	Polyion Complex Nanomaterials from Block Polyelectrolyte Micelles and Linear Polyelectrolytes of Opposite Charge. 2. Dynamic Properties. Journal of Physical Chemistry B, 2008, 112, 7732-7738.	2.6	48
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