

David Oupicky

List of Publications by Year in descending order

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184
papers

9,408
citations

31976

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48315

88
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187
all docs

187
docs citations

187
times ranked

10950
citing authors

#	ARTICLE	IF	CITATIONS
1	Tumor-Penetrating Nanoparticles for Enhanced Anticancer Activity of Combined Photodynamic and Hypoxia-Activated Therapy. <i>ACS Nano</i> , 2017, 11, 2227-2238.	14.6	386
2	Temperature-Controlled Uptake and Release in PNIPAM-Modified Porous Silica Nanoparticles. <i>Chemistry of Materials</i> , 2008, 20, 3354-3359.	6.7	338
3	Importance of Lateral and Steric Stabilization of Polyelectrolyte Gene Delivery Vectors for Extended Systemic Circulation. <i>Molecular Therapy</i> , 2002, 5, 463-472.	8.2	273
4	A versatile reducible polycation-based system for efficient delivery of a broad range of nucleic acids. <i>Nucleic Acids Research</i> , 2005, 33, e86-e86.	14.5	245
5	Polyelectrolyte Vectors for Gene Delivery: Influence of Cationic Polymer on Biophysical Properties of Complexes Formed with DNA. <i>Bioconjugate Chemistry</i> , 1999, 10, 993-1004.	3.6	239
6	Novel vectors for gene delivery formed by self-assembly of DNA with poly(L-lysine) grafted with hydrophilic polymers. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1998, 1380, 354-368.	2.4	235
7	Laterally Stabilized Complexes of DNA with Linear Reducible Polycations: Strategy for Triggered Intracellular Activation of DNA Delivery Vectors. <i>Journal of the American Chemical Society</i> , 2002, 124, 8-9.	13.7	223
8	Self-assembled IR780-loaded transferrin nanoparticles as an imaging, targeting and PDT/PTT agent for cancer therapy. <i>Scientific Reports</i> , 2016, 6, 27421.	3.3	216
9	Recent advances in delivery of drug-nucleic acid combinations for cancer treatment. <i>Journal of Controlled Release</i> , 2013, 172, 589-600.	9.9	182
10	Physical properties and in vitro transfection efficiency of gene delivery vectors based on complexes of DNA with synthetic polycations. <i>Journal of Controlled Release</i> , 2002, 81, 201-217.	9.9	175
11	Reducible poly(2-dimethylaminoethyl methacrylate): Synthesis, cytotoxicity, and gene delivery activity. <i>Journal of Controlled Release</i> , 2007, 122, 217-225.	9.9	170
12	Decreased Binding to Proteins and Cells of Polymeric Gene Delivery Vectors Surface Modified with a Multivalent Hydrophilic Polymer and Retargeting through Attachment of Transferrin. <i>Journal of Biological Chemistry</i> , 2000, 275, 3793-3802.	3.4	148
13	Vectors based on reducible polycations facilitate intracellular release of nucleic acids. <i>Journal of Gene Medicine</i> , 2003, 5, 232-245.	2.8	141
14	PEGylated carboxymethyl chitosan/calcium phosphate hybrid anionic nanoparticles mediated hTERT siRNA delivery for anticancer therapy. <i>Biomaterials</i> , 2014, 35, 7978-7991.	11.4	140
15	Emerging roles of the CXCL12/CXCR4 axis in pancreatic cancer progression and therapy. , 2017, 179, 158-170.		126
16	GSH depletion liposome adjuvant for augmenting the photothermal immunotherapy of breast cancer. <i>Science Advances</i> , 2020, 6, .	10.3	124
17	Targeting pulmonary tumor microenvironment with CXCR4-inhibiting nanocomplex to enhance anti-PD-L1 immunotherapy. <i>Science Advances</i> , 2020, 6, eaaz9240.	10.3	119
18	Endosomolytic and Tumor-Penetrating Mesoporous Silica Nanoparticles for siRNA/miRNA Combination Cancer Therapy. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 4308-4322.	8.0	115

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19	Bioreducible Hyperbranched Poly(amido amine)s for Gene Delivery. <i>Biomacromolecules</i> , 2009, 10, 2921-2927.	5.4	112
20	Gene delivery in vitro and in vivo from bioreducible multilayered polyelectrolyte films of plasmid DNA. <i>Biomaterials</i> , 2009, 30, 939-950.	11.4	111
21	Steric Stabilization of poly-L-Lysine/DNA Complexes by the Covalent Attachment of Semitelechelic poly[N-(2-Hydroxypropyl)methacrylamide]. <i>Bioconjugate Chemistry</i> , 2000, 11, 492-501.	3.6	109
22	Dually Responsive Multiblock Copolymers via Reversible Addition- β -Fragmentation Chain Transfer Polymerization: A Synthesis of Temperature- and Redox-Responsive Copolymers of Poly(N-isopropylacrylamide) and Poly(2-(dimethylamino)ethyl methacrylate). <i>Macromolecules</i> , 2007, 40, 8617-8624.	4.8	108
23	Temperature-Controlled Properties of DNA Complexes with Poly(ethylenimine)-graft-poly(N-isopropylacrylamide). <i>Biomacromolecules</i> , 2006, 7, 1169-1178.	5.4	107
24	Enhanced Gene and siRNA Delivery by Polycation-Modified Mesoporous Silica Nanoparticles Loaded with Chloroquine. <i>Pharmaceutical Research</i> , 2010, 27, 2556-2568.	3.5	104
25	Synthesis of Temperature-Responsive Heterobifunctional Block Copolymers of Poly(ethylene glycol) and Poly(N-isopropylacrylamide). <i>Biomacromolecules</i> , 2007, 8, 98-105.	5.4	100
26	Stromal Modulation and Treatment of Metastatic Pancreatic Cancer with Local Intraperitoneal Triple miRNA/siRNA Nanotherapy. <i>ACS Nano</i> , 2020, 14, 255-271.	14.6	100
27	Influence of TAT-peptide polymerization on properties and transfection activity of TAT/DNA polyplexes. <i>Journal of Controlled Release</i> , 2005, 102, 293-306.	9.9	99
28	Modification of pLL/DNA complexes with a multivalent hydrophilic polymer permits folate-mediated targeting in vitro and prolonged plasma circulation in vivo. <i>Journal of Gene Medicine</i> , 2002, 4, 536-547.	2.8	93
29	Effect of innate glutathione levels on activity of redox-responsive gene delivery vectors. <i>Journal of Controlled Release</i> , 2010, 141, 77-84.	9.9	93
30	Effect of Albumin and Polyanion on the Structure of DNA Complexes with Polycation Containing Hydrophilic Nonionic Block. <i>Bioconjugate Chemistry</i> , 1999, 10, 764-772.	3.6	90
31	Bioreducible Polycations in Nucleic Acid Delivery: Past, Present, and Future Trends. <i>Macromolecular Bioscience</i> , 2014, 14, 908-922.	4.1	87
32	Multiblock Reducible Copolypeptides Containing Histidine-Rich and Nuclear Localization Sequences for Gene Delivery. <i>Bioconjugate Chemistry</i> , 2006, 17, 1395-1403.	3.6	86
33	Bioreducible Cross-Linked Hyaluronic Acid/Calcium Phosphate Hybrid Nanoparticles for Specific Delivery of siRNA in Melanoma Tumor Therapy. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 14576-14589.	8.0	85
34	Disassembly of layer-by-layer films of plasmid DNA and reducible TAT polypeptide. <i>Biomaterials</i> , 2007, 28, 117-124.	11.4	84
35	Size Switchable Nanoclusters Fueled by Extracellular ATP for Promoting Deep Penetration and MRI-Guided Tumor Photothermal Therapy. <i>Advanced Functional Materials</i> , 2019, 29, 1904144.	14.9	79
36	Dual-Function CXCR4 Antagonist Polyplexes To Deliver Gene Therapy and Inhibit Cancer Cell Invasion. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 8740-8743.	13.8	78

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37	Surface Functionalization of Mesoporous Silica Nanoparticles Controls Loading and Release Behavior of Mitoxantrone. <i>Pharmaceutical Research</i> , 2012, 29, 2407-2418.	3.5	77
38	Self-immolative nanoparticles for simultaneous delivery of microRNA and targeting of polyamine metabolism in combination cancer therapy. <i>Journal of Controlled Release</i> , 2017, 246, 110-119.	9.9	75
39	Polymeric drugs: Advances in the development of pharmacologically active polymers. <i>Journal of Controlled Release</i> , 2015, 219, 369-382.	9.9	70
40	Hyperthermia controlled rapid drug release from thermosensitive magnetic microgels. <i>Journal of Materials Chemistry</i> , 2010, 20, 6158.	6.7	69
41	Tumor-specific activated photodynamic therapy with an oxidation-regulated strategy for enhancing anti-tumor efficacy. <i>Theranostics</i> , 2018, 8, 5059-5071.	10.0	68
42	Nanocarrier vaccines for SARS-CoV-2. <i>Advanced Drug Delivery Reviews</i> , 2021, 171, 215-239.	13.7	66
43	Potential of CXCR4/CXCL12 Chemokine Axis in Cancer Drug Delivery. <i>Current Pharmacology Reports</i> , 2016, 2, 1-10.	3.0	65
44	Dual-function nanostructured lipid carriers to deliver IR780 for breast cancer treatment: Anti-metastatic and photothermal anti-tumor therapy. <i>Acta Biomaterialia</i> , 2017, 53, 399-413.	8.3	65
45	A Chemokine Receptor CXCR2 Macromolecular Complex Regulates Neutrophil Functions in Inflammatory Diseases. <i>Journal of Biological Chemistry</i> , 2012, 287, 5744-5755.	3.4	64
46	Simultaneous quantitation of hydroxychloroquine and its metabolites in mouse blood and tissues using LC-ESI-MS/MS: An application for pharmacokinetic studies. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2018, 1072, 320-327.	2.3	64
47	Temperature-Controlled Behavior of Self-Assembly Gene Delivery Vectors Based on Complexes of DNA with Poly(l-lysine)-graft-poly(N-isopropylacrylamide). <i>Macromolecules</i> , 2003, 36, 6863-6872.	4.8	63
48	Synthesis and characterization of new copper thiosemicarbazone complexes with an ONNS quadridentate system: cell growth inhibition, S-phase cell cycle arrest and proapoptotic activities on cisplatin-resistant neuroblastoma cells. <i>Journal of Biological Inorganic Chemistry</i> , 2007, 13, 47-55.	2.6	63
49	CXCR4-Targeted and Redox Responsive Dextrin Nanogel for Metastatic Breast Cancer Therapy. <i>Biomacromolecules</i> , 2017, 18, 1793-1802.	5.4	62
50	DNA complexes with block and graft copolymers of N-(2-hydroxypropyl)methacrylamide and 2-(trimethylammonio)ethyl methacrylate. <i>Journal of Biomaterials Science, Polymer Edition</i> , 1999, 10, 573-590.	3.5	60
51	Near-infrared light-triggered drug release from a multiple lipid carrier complex using an all-in-one strategy. <i>Journal of Controlled Release</i> , 2017, 261, 126-137.	9.9	60
52	Lignin: Drug/Gene Delivery and Tissue Engineering Applications. <i>International Journal of Nanomedicine</i> , 2021, Volume 16, 2419-2441.	6.7	59
53	The Practicality of Mesoporous Silica Nanoparticles as Drug Delivery Devices and Progress Toward This Goal. <i>AAPS PharmSciTech</i> , 2014, 15, 1163-1171.	3.3	58
54	Methodologies for Monitoring Nanoparticle Formation by Self-Assembly of DNA with Poly(l-lysine). <i>Analytical Biochemistry</i> , 2002, 302, 75-80.	2.4	57

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55	A Versatile Approach to Reducible Vinyl Polymers via Oxidation of Telechelic Polymers Prepared by Reversible Addition Fragmentation Chain Transfer Polymerization. <i>Biomacromolecules</i> , 2007, 8, 2038-2044.	5.4	55
56	Thermally Controlled Association in Aqueous Solutions of Diblock Copolymers of Poly[N-(2-hydroxypropyl)methacrylamide] and Poly(N-isopropylacrylamide). <i>Macromolecules</i> , 2000, 33, 5318-5320.	4.8	53
57	Surface functionalisation of PLGA nanoparticles for gene silencing. <i>Biomaterials</i> , 2010, 31, 5671-5677.	11.4	53
58	Fluorine assembly nanocluster breaks the shackles of immunosuppression to turn the cold tumor hot. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 32962-32969.	7.1	52
59	Tuning the mechanical properties of bio-reducible multilayer films for improved cell adhesion and transfection activity. <i>Biomaterials</i> , 2010, 31, 7167-7174.	11.4	51
60	Combining Fluorination and Bio-reducibility for Improved siRNA Polyplex Delivery. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 4457-4466.	8.0	50
61	Reversibly Stabilized Polycation Nanoparticles for Combination Treatment of Early- and Late-Stage Metastatic Breast Cancer. <i>ACS Nano</i> , 2018, 12, 6620-6636.	14.6	50
62	Near-infrared light triggered liposomes combining photodynamic and chemotherapy for synergistic breast tumor therapy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 173, 564-570.	5.0	50
63	Nanocarrier Stimuli-Activated Gene Delivery. <i>Small</i> , 2007, 3, 54-57.	10.0	48
64	Effect of biodegradability on CXCR4 antagonism, transfection efficacy and antimetastatic activity of polymeric Plerixafor. <i>Biomaterials</i> , 2014, 35, 5572-5579.	11.4	48
65	Development of Long-circulating Polyelectrolyte Complexes for Systemic Delivery of Genes. <i>Journal of Drug Targeting</i> , 2002, 10, 93-98.	4.4	47
66	Converting primary tumor towards an in situ STING-activating vaccine via a biomimetic nanoplatform against recurrent and metastatic tumors. <i>Nano Today</i> , 2021, 38, 101109.	11.9	47
67	Polyplex gene delivery modulated by redox potential gradients. <i>Journal of Drug Targeting</i> , 2006, 14, 519-526.	4.4	45
68	Near-infrared light-activated IR780-loaded liposomes for anti-tumor angiogenesis and Photothermal therapy. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2018, 14, 2283-2294.	3.3	45
69	Thermally Controlled Association in Aqueous Solutions of Poly(L-lysine) Grafted with Poly(N-isopropylacrylamide). <i>Langmuir</i> , 2002, 18, 8217-8222.	3.5	43
70	Intracellular siRNA and precursor miRNA trafficking using bioresponsive copolypeptides. <i>Journal of Gene Medicine</i> , 2008, 10, 81-93.	2.8	43
71	Bioresponsive hyperbranched polymers for siRNA and miRNA delivery. <i>Journal of Drug Targeting</i> , 2010, 18, 812-820.	4.4	43
72	Chloroquine-Modified Hydroxyethyl Starch as a Polymeric Drug for Cancer Therapy. <i>Biomacromolecules</i> , 2017, 18, 2247-2257.	5.4	43

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73	Thieno[2,3-d]pyrimidinedione derivatives as antibacterial agents. <i>European Journal of Medicinal Chemistry</i> , 2012, 51, 145-153.	5.5	42
74	ATP-activated decrosslinking and charge-reversal vectors for siRNA delivery and cancer therapy. <i>Theranostics</i> , 2018, 8, 4604-4619.	10.0	40
75	Metabolizable Near-Infrared-II Nanoprobes for Dynamic Imaging of Deep-Seated Tumor-Associated Macrophages in Pancreatic Cancer. <i>ACS Nano</i> , 2021, 15, 10010-10024.	14.6	40
76	A Mini Review of Biodegradable Calcium Phosphate Nanoparticles for Gene Delivery. <i>Current Pharmaceutical Biotechnology</i> , 2014, 14, 918-925.	1.6	40
77	Cross-Linked Bioreducible Layer-by-Layer Films for Increased Cell Adhesion and Transgene Expression. <i>Journal of Physical Chemistry B</i> , 2010, 114, 5283-5291.	2.6	39
78	Development of Functional Poly(amido amine) CXCR4 Antagonists with the Ability to Mobilize Leukocytes and Deliver Nucleic Acids. <i>Advanced Healthcare Materials</i> , 2015, 4, 729-738.	7.6	38
79	Enhanced gene transfer activity of peptide-targeted gene-delivery vectors. <i>Journal of Drug Targeting</i> , 2005, 13, 39-51.	4.4	37
80	Development of fluorinated polyplex nanoemulsions for improved small interfering RNA delivery and cancer therapy. <i>Nano Research</i> , 2018, 11, 3746-3761.	10.4	37
81	Surface PEGylation of Mesoporous Silica Nanorods (MSNR): Effect on loading, release, and delivery of mitoxantrone in hypoxic cancer cells. <i>Scientific Reports</i> , 2017, 7, 2274.	3.3	36
82	Fluorination Enhances Serum Stability of Bioreducible Poly(amido amine) Polyplexes and Enables Efficient Intravenous siRNA Delivery. <i>Advanced Healthcare Materials</i> , 2018, 7, 1700978.	7.6	35
83	Reversible Covalent Cross-Linked Polycations with Enhanced Stability and ATP-Responsive Behavior for Improved siRNA Delivery. <i>Biomacromolecules</i> , 2018, 19, 3776-3787.	5.4	35
84	Pulmonary siRNA delivery for lung disease: Review of recent progress and challenges. <i>Journal of Controlled Release</i> , 2021, 330, 977-991.	9.9	35
85	Conjugates of Semitelechelic Poly[N-(2-Hydroxypropyl)Methacrylamide] with Enzymes for Protein Delivery. <i>Journal of Bioactive and Compatible Polymers</i> , 1999, 14, 213-231.	2.1	34
86	Bioreduction-ruptured nanogel for switch on/off release of Bcl2 siRNA in breast tumor therapy. <i>Journal of Controlled Release</i> , 2018, 292, 78-90.	9.9	34
87	Cyclam-Modified PEI for Combined VEGF siRNA Silencing and CXCR4 Inhibition To Treat Metastatic Breast Cancer. <i>Biomacromolecules</i> , 2018, 19, 392-401.	5.4	34
88	DNA Release Dynamics from Reducible Polyplexes by Atomic Force Microscopy. <i>Langmuir</i> , 2008, 24, 12474-12482.	3.5	33
89	Advances in Stimulus-Responsive Polymeric Materials for Systemic Delivery of Nucleic Acids. <i>Advanced Healthcare Materials</i> , 2018, 7, 1701070.	7.6	33
90	Cholangiocarcinoma therapy with nanoparticles that combine downregulation of MicroRNA-210 with inhibition of cancer cell invasiveness. <i>Theranostics</i> , 2018, 8, 4305-4320.	10.0	33

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91	Increased Survival by Pulmonary Treatment of Established Lung Metastases with Dual STAT3/CXCR4 Inhibition by siRNA Nanoemulsions. <i>Molecular Therapy</i> , 2019, 27, 2100-2110.	8.2	33
92	H ₂ O ₂ -activated oxidative stress amplifier capable of GSH scavenging for enhancing tumor photodynamic therapy. <i>Biomaterials Science</i> , 2019, 7, 5359-5368.	5.4	33
93	Involvement of vH ⁺ ATPase in synaptic vesicle swelling. <i>Journal of Neuroscience Research</i> , 2010, 88, 95-101.	2.9	31
94	Synthesis of click-reactive HPMA copolymers using RAFT polymerization for drug delivery applications. <i>Journal of Polymer Science Part A</i> , 2013, 51, 5091-5099.	2.3	31
95	Polymeric chloroquine as an inhibitor of cancer cell migration and experimental lung metastasis. <i>Journal of Controlled Release</i> , 2016, 244, 347-356.	9.9	31
96	Treatment of acute lung injury and early- and late-stage pulmonary fibrosis with combination emulsion siRNA polyplexes. <i>Journal of Controlled Release</i> , 2019, 314, 12-24.	9.9	31
97	Transfection activity of layer-by-layer plasmid DNA/poly(ethylenimine) films deposited on PLGA microparticles. <i>International Journal of Pharmaceutics</i> , 2009, 365, 44-52.	5.2	29
98	DNA Release Dynamics from Bioreducible Poly(amido amine) Polyplexes. <i>Journal of Physical Chemistry B</i> , 2009, 113, 13735-13741.	2.6	29
99	Arginine-Modified Nanostructured Lipid Carriers with Charge Reversal and pH-Sensitive Membranolytic Properties for Anticancer Drug Delivery. <i>Advanced Healthcare Materials</i> , 2017, 6, 1600693.	7.6	29
100	Nanostructured Peptidotoxins as Natural Pro-Oxidants Induced Cancer Cell Death via Amplification of Oxidative Stress. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 4569-4581.	8.0	29
101	Charge and Assembly Reversible Micelles Fueled by Intracellular ATP for Improved siRNA Transfection. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 32026-32037.	8.0	28
102	DNA Release Dynamics from Bioreducible Layer-by-Layer Films. <i>Langmuir</i> , 2010, 26, 8597-8605.	3.5	27
103	Polymeric Plerixafor: Effect of PEGylation on CXCR4 Antagonism, Cancer Cell Invasion, and DNA Transfection. <i>Pharmaceutical Research</i> , 2014, 31, 3538-3548.	3.5	27
104	Physicochemical and biological characterisation of an antisense oligonucleotide targeted against the bcl-2 mRNA complexed with cationic hydrophilic copolymers. <i>European Journal of Pharmaceutical Sciences</i> , 2000, 10, 169-177.	4.0	26
105	Polyplex-mediated inhibition of chemokine receptor CXCR4 and chromatin-remodeling enzyme NCOA3 impedes pancreatic cancer progression and metastasis. <i>Biomaterials</i> , 2016, 101, 108-120.	11.4	26
106	Synthesis and Characterization of Theranostic Poly(HPMA)-c(RGDyK)-DOTA- ⁶⁴ Cu Copolymer Targeting Tumor Angiogenesis: Tumor Localization Visualized by Positron Emission Tomography. <i>Molecular Imaging</i> , 2013, 12, 7290.2012.00038.	1.4	25
107	Delivery of miR-200c Mimic with Poly(amido amine) CXCR4 Antagonists for Combined Inhibition of Cholangiocarcinoma Cell Invasiveness. <i>Molecular Pharmaceutics</i> , 2016, 13, 1073-1080.	4.6	25
108	Evaluation of Pharmacokinetics of Bioreducible Gene Delivery Vectors by Real-time PCR. <i>Pharmaceutical Research</i> , 2009, 26, 1581-1589.	3.5	24

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109	Synthesis and Evaluation of Chloroquine-Containing DMAEMA Copolymers as Efficient Anti-miRNA Delivery Vectors with Improved Endosomal Escape and Antimigratory Activity in Cancer Cells. <i>Macromolecular Bioscience</i> , 2018, 18, 1700194.	4.1	24
110	pH-Controlled association of PEG-containing terpolymers of N-isopropylacrylamide and 1-vinylimidazole. <i>Polymer</i> , 2005, 46, 7945-7952.	3.8	23
111	Chloroquine-Containing HPMA Copolymers as Polymeric Inhibitors of Cancer Cell Migration Mediated by the CXCR4/SDF-1 Chemokine Axis. <i>ACS Macro Letters</i> , 2016, 5, 342-345.	4.8	23
112	Pharmacokinetics and efficacy of orally administered polymeric chloroquine as macromolecular drug in the treatment of inflammatory bowel disease. <i>Acta Biomaterialia</i> , 2018, 82, 158-170.	8.3	23
113	Cyclic RGD-targeting of reversibly stabilized DNA nanoparticles enhances cell uptake and transfection in vitro. <i>Journal of Drug Targeting</i> , 2009, 17, 364-373.	4.4	22
114	Opposing influence of intracellular and membrane thiols on the toxicity of reducible polycations. <i>Biomaterials</i> , 2013, 34, 8843-8850.	11.4	22
115	Efficient and targeted chemo-gene delivery with self-assembled fluoro-nanoparticles for liver fibrosis therapy and recurrence. <i>Biomaterials</i> , 2020, 261, 120311.	11.4	22
116	Neurodegenerative disorders management: state-of-art and prospects of nano-biotechnology. <i>Critical Reviews in Biotechnology</i> , 2022, 42, 1180-1212.	9.0	22
117	Modified chitosan for effective renal delivery of siRNA to treat acute kidney injury. <i>Biomaterials</i> , 2022, 285, 121562.	11.4	22
118	Cyclam-Based Polymeric Copper Chelators for Gene Delivery and Potential PET Imaging. <i>Biomacromolecules</i> , 2012, 13, 3220-3227.	5.4	20
119	Examination of Structure-Activity Relationship of Viologen-Based Dendrimers as CXCR4 Antagonists and Gene Carriers. <i>Bioconjugate Chemistry</i> , 2014, 25, 907-917.	3.6	20
120	Self-Immolative Polycations as Gene Delivery Vectors and Prodrugs Targeting Polyamine Metabolism in Cancer. <i>Molecular Pharmaceutics</i> , 2015, 12, 332-341.	4.6	20
121	Self-assembled hemoglobin nanoparticles for improved oral photosensitizer delivery and oral photothermal therapy <i>in vivo</i> . <i>Nanomedicine</i> , 2017, 12, 1043-1055.	3.3	20
122	Combined Hydrophobization of Polyethylenimine with Cholesterol and Perfluorobutyrate Improves siRNA Delivery. <i>Bioconjugate Chemistry</i> , 2020, 31, 698-707.	3.6	20
123	Cooperative Interactions of Unlike Macromolecules: NMR Study of Ionic Coupling of Poly[2-(trimethylammonio)ethyl Methacrylate Chloride]-block-Poly(N-(2-hydroxypropyl)) Tj ETQq1 1 0.784314 rgBT _{2.5} /Overlock 10 Tf 50 1 10972-10985.	2.5	19
124	ATP-Charged Nanoclusters Enable Intracellular Protein Delivery and Activity Modulation for Cancer Theranostics. <i>IScience</i> , 2020, 23, 100872.	4.1	19
125	Preferential siRNA delivery to injured kidneys for combination treatment of acute kidney injury. <i>Journal of Controlled Release</i> , 2022, 341, 300-313.	9.9	19
126	Ultrasound-enhanced transfection activity of HPMA-stabilized DNA polyplexes with prolonged plasma circulation. <i>Journal of Controlled Release</i> , 2005, 106, 416-427.	9.9	18

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127	Synthesis of Bisethyl norspermine Lipid Prodrug as Gene Delivery Vector Targeting Polyamine Metabolism in Breast Cancer. <i>Molecular Pharmaceutics</i> , 2012, 9, 1654-1664.	4.6	18
128	HDAC inhibitor conjugated polymeric prodrug micelles for doxorubicin delivery. <i>Journal of Materials Chemistry B</i> , 2017, 5, 2106-2114.	5.8	18
129	Gene silencing delivery systems for the treatment of pancreatic cancer: Where and what to target next?. <i>Journal of Controlled Release</i> , 2021, 331, 246-259.	9.9	18
130	Polycation fluorination improves intraperitoneal siRNA delivery in metastatic pancreatic cancer. <i>Journal of Controlled Release</i> , 2021, 333, 139-150.	9.9	18
131	<i>In situ</i> self-assembled peptide nanofibers for cancer theranostics. <i>Biomaterials Science</i> , 2021, 9, 5427-5436.	5.4	17
132	Histone Deacetylase Inhibitor (HDACi) Conjugated Polycaprolactone for Combination Cancer Therapy. <i>Biomacromolecules</i> , 2018, 19, 1082-1089.	5.4	16
133	Effect of cell membrane thiols and reduction-triggered disassembly on transfection activity of bio-reducible polyplexes. <i>European Journal of Pharmaceutical Sciences</i> , 2012, 46, 173-180.	4.0	15
134	Pulmonary delivery of polyplexes for combined PAI-1 gene silencing and CXCR4 inhibition to treat lung fibrosis. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2018, 14, 1765-1776.	3.3	15
135	Poly[N-(2-hydroxypropyl)meth-acrylamide] Conjugates of Bovine Seminal Ribonuclease. Synthesis, Physicochemical, and Preliminary Biological Evaluation. <i>Journal of Bioactive and Compatible Polymers</i> , 2000, 15, 4-26.	2.1	15
136	Biochemical evaluation of the anticancer potential of the polyamine-based nanocarrier Nano11047. <i>PLoS ONE</i> , 2017, 12, e0175917.	2.5	15
137	Overexpression of Bcl-2 as a proxy redox stimulus to enhance activity of non-viral redox-responsive delivery vectors. <i>Biomaterials</i> , 2008, 29, 2680-2688.	11.4	14
138	CXCR4-targeted liposomal mediated co-delivery of pirfenidone and AMD3100 for the treatment of TGF β -induced HSC-T6 cells activation. <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 2927-2944.	6.7	14
139	Stimulus-controlled delivery of drugs and genes. <i>Expert Opinion on Drug Delivery</i> , 2005, 2, 653-665.	5.0	13
140	Synthesis and characterization of valproic acid ester pro-drug micelles via an amphiphilic polycaprolactone block copolymer design. <i>Polymer Chemistry</i> , 2015, 6, 2386-2389.	3.9	13
141	Intraperitoneal siRNA Nanoparticles for Augmentation of Gemcitabine Efficacy in the Treatment of Pancreatic Cancer. <i>Molecular Pharmaceutics</i> , 2021, 18, 4448-4458.	4.6	13
142	Perfluorocarbon Nanoemulsions Enhance Therapeutic siRNA Delivery in the Treatment of Pulmonary Fibrosis. <i>Advanced Science</i> , 2022, 9, e2103676.	11.2	13
143	Synthesis of Poly[APMA]-DOTA- ⁶⁴ Cu Conjugates for Interventional Radionuclide Therapy of Prostate Cancer: Assessment of Intratumoral Retention by Micro β -Positron Emission Tomography. <i>Molecular Imaging</i> , 2007, 6, 7290.2006.00030.	1.4	12
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