

Zheng-Rong Lu

List of Publications by Year in descending order

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158
papers

6,399
citations

50170

46
h-index

82410

72
g-index

163
all docs

163
docs citations

163
times ranked

7322
citing authors

#	ARTICLE	IF	CITATIONS
1	Gadolinium-based contrast agents for magnetic resonance cancer imaging. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2013, 5, 1-18.	3.3	290
2	MRI detection of breast cancer micrometastases with a fibronectin-targeting contrast agent. Nature Communications, 2015, 6, 7984.	5.8	215
3	Targeted intracellular codelivery of chemotherapeutics and nucleic acid with a well-defined dendrimer-based nanoglobular carrier. Biomaterials, 2009, 30, 5660-5666.	5.7	179
4	Molecular imaging of the tumor microenvironment. Advanced Drug Delivery Reviews, 2017, 113, 24-48.	6.6	175
5	Targeted delivery of doxorubicin by HPMA copolymer-hyaluronan bioconjugates. Pharmaceutical Research, 2002, 19, 396-402.	1.7	156
6	Multifunctional Cationic Lipid-Based Nanoparticles Facilitate Endosomal Escape and Reduction-Triggered Cytosolic siRNA Release. Molecular Pharmaceutics, 2014, 11, 2734-2744.	2.3	145
7	Silencing $\alpha 3$ Integrin by Targeted ECO/siRNA Nanoparticles Inhibits EMT and Metastasis of Triple-Negative Breast Cancer. Cancer Research, 2015, 75, 2316-2325.	0.4	135
8	Systemic Delivery of Tumor-Targeting siRNA Nanoparticles against an Oncogenic LncRNA Facilitates Effective Triple-Negative Breast Cancer Therapy. Bioconjugate Chemistry, 2019, 30, 907-919.	1.8	121
9	Synthesis, Characterization, and Gene Delivery of Poly-<sc>I</sc>-lysine Octa(3-aminopropyl)silsesquioxane Dendrimers: Nanoglobular Drug Carriers with Precisely Defined Molecular Architectures. Molecular Pharmaceutics, 2007, 4, 759-768.	2.3	120
10	Polymerizable Fab $\epsilon 2$ antibody fragments for targeting of anticancer drugs. Nature Biotechnology, 1999, 17, 1101-1104.	9.4	116
11	Alkyl Derivatives of Europium(+2) and Ytterbium(+2). Crystal Structures of Eu[C(SiMe ₃) ₃] ₂ , Yb[C(SiMe ₃) ₂ (SiMe ₂ CHCH ₂)]I \cdot OEt ₂ and Yb[C(SiMe ₃) ₂ (SiMe ₂ OMe)]I \cdot OEt ₂ . Organometallics, 1996, 15, 4783-4790.	1.1	114
12	Targeted Systemic Delivery of a Therapeutic siRNA with a Multifunctional Carrier Controls Tumor Proliferation in Mice. Molecular Pharmaceutics, 2009, 6, 738-746.	2.3	111
13	Antigen Responsive Hydrogels Based on Polymerizable Antibody Fab $\epsilon 2$ Fragment. Macromolecular Bioscience, 2003, 3, 296-300.	2.1	109
14	Design of novel bioconjugates for targeted drug delivery. Journal of Controlled Release, 2002, 78, 165-173.	4.8	99
15	Poly(l-glutamic acid) Gd(III)-DOTA Conjugate with a Degradable Spacer for Magnetic Resonance Imaging. Bioconjugate Chemistry, 2003, 14, 715-719.	1.8	95
16	Novel Polymerizable Surfactants with pH-Sensitive Amphiphilicity and Cell Membrane Disruption for Efficient siRNA Delivery. Bioconjugate Chemistry, 2007, 18, 2169-2177.	1.8	95
17	Design and evaluation of new pH-sensitive amphiphilic cationic lipids for siRNA delivery. Journal of Controlled Release, 2013, 171, 296-307.	4.8	87
18	A Peptide Targeted Contrast Agent Specific to Fibrin-Fibronectin Complexes for Cancer Molecular Imaging with MRI. Bioconjugate Chemistry, 2008, 19, 2300-2303.	1.8	85

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19	Drug Delivery in Cancer Therapy, Quo Vadis?. Molecular Pharmaceutics, 2018, 15, 3603-3616.	2.3	85
20	EDB Fibronectin Specific Peptide for Prostate Cancer Targeting. Bioconjugate Chemistry, 2015, 26, 830-838.	1.8	82
21	Targeting fibronectin for cancer imaging and therapy. Journal of Materials Chemistry B, 2017, 5, 639-654.	2.9	82
22	Peptide-Targeted Nanoglobular Gd-DOTA Monoamide Conjugates for Magnetic Resonance Cancer Molecular Imaging. Biomacromolecules, 2010, 11, 754-761.	2.6	80
23	Biorecognizable HPMA copolymer-drug conjugates for colon-specific delivery of 9-aminocamptothecin. Journal of Controlled Release, 2001, 75, 365-379.	4.8	76
24	A peptide-targeted delivery system with pH-sensitive amphiphilic cell membrane disruption for efficient receptor-mediated siRNA delivery. Journal of Controlled Release, 2009, 134, 207-213.	4.8	73
25	PEG-g-poly(GdDTPA-co-l-cystine): A Biodegradable Macromolecular Blood Pool Contrast Agent for MR Imaging. Bioconjugate Chemistry, 2004, 15, 1424-1430.	1.8	69
26	In Vivo Evaluation of a PAMAM-Cystamine-(Gd-DO3A) Conjugate as a Biodegradable Macromolecular MRI Contrast Agent. Experimental Biology and Medicine, 2007, 232, 1081-1089.	1.1	68
27	Peptide targeted tripod macrocyclic Gd(III) chelates for cancer molecular MRI. Biomaterials, 2013, 34, 7683-7693.	5.7	67
28	A multifunctional and reversibly polymerizable carrier for efficient siRNA delivery. Biomaterials, 2008, 29, 15-22.	5.7	66
29	Targeted gadofullerene for sensitive magnetic resonance imaging and risk-stratification of breast cancer. Nature Communications, 2017, 8, 692.	5.8	64
30	Extracellular biodegradable macromolecular gadolinium(III) complexes for MRI. Magnetic Resonance in Medicine, 2004, 51, 27-34.	1.9	63
31	Colon-specific 9-aminocamptothecin-HPMA copolymer conjugates containing a 1,6-elimination spacer. Journal of Controlled Release, 2006, 110, 323-331.	4.8	63
32	Gadolinium(III)-based blood-pool contrast agents for magnetic resonance imaging: status and clinical potential. Expert Opinion on Drug Delivery, 2007, 4, 149-164.	2.4	63
33	Synthesis and Evaluation of Nanoglobular Macrocyclic Mn(II) Chelate Conjugates as Non-Gadolinium(III) MRI Contrast Agents. Bioconjugate Chemistry, 2011, 22, 931-937.	1.8	63
34	Molecular imaging of HPMA copolymers: Visualizing drug delivery in cell, mouse and man. Advanced Drug Delivery Reviews, 2010, 62, 246-257.	6.6	62
35	Functionalized Semitelechelic Poly[N-(2-hydroxypropyl)methacrylamide] for Protein Modification. Bioconjugate Chemistry, 1998, 9, 793-804.	1.8	57
36	Noninvasive Visualization of in Vivo Drug Delivery of Poly(l-glutamic acid) Using Contrast-Enhanced MRI. Molecular Pharmaceutics, 2006, 3, 507-515.	2.3	57

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37	Polymer platforms for drug delivery and biomedical imaging. <i>Journal of Controlled Release</i> , 2007, 122, 269-277.	4.8	57
38	Synthesis and Evaluation of Globular Gd-DOTA-Monoamide Conjugates with Precisely Controlled Nanosizes for Magnetic Resonance Angiography. <i>Biomacromolecules</i> , 2008, 9, 2742-2748.	2.6	57
39	Dendritic nanoglobules with polyhedral oligomeric silsesquioxane core and their biomedical applications. <i>Nanomedicine</i> , 2014, 9, 2387-2401.	1.7	55
40	Targeted Mesoporous Silica Nanoparticles Delivering Arsenic Trioxide with Environment Sensitive Drug Release for Effective Treatment of Triple Negative Breast Cancer. <i>ACS Biomaterials Science and Engineering</i> , 2016, 2, 501-507.	2.6	55
41	Contrast-enhanced MRI with new biodegradable macromolecular Gd(III) complexes in tumor-bearing mice. <i>Magnetic Resonance in Medicine</i> , 2005, 53, 835-842.	1.9	54
42	A targeted nanoglobular contrast agent from host-guest self-assembly for MR cancer molecular imaging. <i>Biomaterials</i> , 2016, 85, 168-179.	5.7	54
43	Contrast-Enhanced MRI-Guided Photodynamic Cancer Therapy with a Pegylated Bifunctional Polymer Conjugate. <i>Pharmaceutical Research</i> , 2008, 25, 2002-2011.	1.7	52
44	Noninvasive Visualization of Pharmacokinetics, Biodistribution and Tumor Targeting of Poly[N-(2-hydroxypropyl)methacrylamide] in Mice Using Contrast Enhanced MRI. <i>Pharmaceutical Research</i> , 2007, 24, 1208-1216.	1.7	50
45	A novel environment-sensitive biodegradable polydisulfide with protonatable pendants for nucleic acid delivery. <i>Journal of Controlled Release</i> , 2007, 120, 250-258.	4.8	48
46	The Polyamine Catabolic Enzyme SAT1 Modulates Tumorigenesis and Radiation Response in GBM. <i>Cancer Research</i> , 2014, 74, 6925-6934.	0.4	48
47	Gadolinium-conjugated TiO ₂ -DNA oligonucleotide nanoconjugates show prolonged intracellular retention period and T1-weighted contrast enhancement in magnetic resonance images. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2008, 4, 201-207.	1.7	46
48	Polydisulfide Gd(III) chelates as biodegradable macromolecular magnetic resonance imaging contrast agents. <i>International Journal of Nanomedicine</i> , 2006, 1, 31-40.	3.3	46
49	PEG-g-poly(GdDTPA-co-l-cystine): Effect of PEG Chain Length on in Vivo Contrast Enhancement in MRI. <i>Biomacromolecules</i> , 2005, 6, 2305-2311.	2.6	45
50	Integrin Targeted MR Imaging. <i>Theranostics</i> , 2011, 1, 83-101.	4.6	45
51	Pharmacokinetics and Tissue Retention of (Gd-DTPA)-Cystamine Copolymers, a Biodegradable Macromolecular Magnetic Resonance Imaging Contrast Agent. <i>Pharmaceutical Research</i> , 2005, 22, 596-602.	1.7	44
52	Pharmacokinetics, Biodistribution and Contrast Enhanced MR Blood Pool Imaging of Gd-DTPA Cystine Copolymers and Gd-DTPA Cystine Diethyl Ester Copolymers in a Rat Model. <i>Pharmaceutical Research</i> , 2006, 23, 1736-1742.	1.7	44
53	Contrast enhanced MRI-guided photodynamic therapy for site-specific cancer treatment. <i>Magnetic Resonance in Medicine</i> , 2006, 56, 761-767.	1.9	44
54	MR Molecular Imaging of Prostate Cancer with a Peptide-Targeted Contrast Agent in a Mouse Orthotopic Prostate Cancer Model. <i>Pharmaceutical Research</i> , 2012, 29, 953-960.	1.7	44

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55	Targeted Contrast Agent Specific to an Oncoprotein in Tumor Microenvironment with the Potential for Detection and Risk Stratification of Prostate Cancer with MRI. <i>Bioconjugate Chemistry</i> , 2017, 28, 1031-1040.	1.8	43
56	Biodegradable cystamine spacer facilitates the clearance of Gd(III) chelates in poly(glutamic acid) Gd-DO3A conjugates for contrast-enhanced MR imaging. <i>Magnetic Resonance Imaging</i> , 2006, 24, 931-940.	1.0	41
57	Multifunctional pH-Sensitive Amino Lipids for siRNA Delivery. <i>Bioconjugate Chemistry</i> , 2016, 27, 19-35.	1.8	41
58	Effect of size and charge on pharmacokinetics and in vivo MRI contrast enhancement of biodegradable polydisulfide Gd(III) complexes. <i>Journal of Controlled Release</i> , 2006, 112, 350-356.	4.8	40
59	Gd ³⁺ -1,4,7,10-Tetraazacyclododecane-1,4,7-triacetic-2-hydroxypropyl- β -cyclodextrin/Pluronic Polyrotaxane as a Long Circulating High Relaxivity MRI Contrast Agent. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 22272-22276.	4.0	38
60	Targeted Dual pH-Sensitive Lipid ECO/siRNA Self-Assembly Nanoparticles Facilitate In Vivo Cytosolic siRNA Delivery and Overcome Paclitaxel Resistance in Breast Cancer Therapy. <i>Advanced Healthcare Materials</i> , 2016, 5, 2882-2895.	3.9	38
61	RGD targeted poly(L-glutamic acid)-cystamine-(Gd-DO3A) conjugate for detecting angiogenesis biomarker $\alpha(v)\beta_3$ integrin with MRT, mapping. <i>International Journal of Nanomedicine</i> , 2007, 2, 191-9.	3.3	38
62	An Effective Targeted Nanoglobular Manganese(II) Chelate Conjugate for Magnetic Resonance Molecular Imaging of Tumor Extracellular Matrix. <i>Molecular Pharmaceutics</i> , 2010, 7, 936-943.	2.3	37
63	Targeted Multifunctional Lipid ECO Plasmid DNA Nanoparticles as Efficient Non-viral Gene Therapy for Leber's Congenital Amaurosis. <i>Molecular Therapy - Nucleic Acids</i> , 2017, 7, 42-52.	2.3	35
64	Novel Chelated Diorganolithate Ion [CH ₂ SiMe ₂ C(SiMe ₃) ₂ LiC(SiMe ₃) ₂ SiMe ₂ CH ₂]-and Highly Crowded Chelated Organomercury Compound [CH ₂ SiMe ₂ C(SiMe ₃) ₂ HgC(SiMe ₃) ₂ SiMe ₂ CH ₂]. <i>Organometallics</i> , 1996, 15, 1651-1655.	1.1	33
65	Biodistribution and pharmacokinetics of colon-specific HPMA copolymer- γ -aminocamptothecin conjugate in mice. <i>Journal of Controlled Release</i> , 2007, 117, 179-185.	4.8	32
66	Characterization of tumor angiogenesis with dynamic contrast-enhanced MRI and biodegradable macromolecular contrast agents in mice. <i>Magnetic Resonance in Medicine</i> , 2008, 60, 1347-1352.	1.9	32
67	Non-viral Gene Therapy for Stargardt Disease with ECO/pRHO-ABCA4 Self-Assembled Nanoparticles. <i>Molecular Therapy</i> , 2020, 28, 293-303.	3.7	32
68	Synthesis of Bioadhesive Lectin-HPMA Copolymer- γ -Cyclosporin Conjugates. <i>Bioconjugate Chemistry</i> , 2000, 11, 3-7.	1.8	30
69	Biodegradable iodinated polydisulfides as contrast agents for CT angiography. <i>Biomaterials</i> , 2014, 35, 5822-5829.	5.7	30
70	Self-Assembly of a Multifunctional Lipid With Core-Shell Dendrimer DNA Nanoparticles Enhanced Efficient Gene Delivery at Low Charge Ratios into RPE Cells. <i>Macromolecular Bioscience</i> , 2015, 15, 1663-1672.	2.1	30
71	Synthesis and Evaluation of pH-Sensitive Multifunctional Lipids for Efficient Delivery of CRISPR/Cas9 in Gene Editing. <i>Bioconjugate Chemistry</i> , 2019, 30, 667-678.	1.8	30
72	Water-soluble HPMA copolymer- γ -wortmannin conjugate retains phosphoinositide 3-kinase inhibitory activity in vitro and in vivo. <i>Journal of Controlled Release</i> , 2001, 74, 275-281.	4.8	29

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73	Influence of the structure of drug moieties on the in vitro efficacy of HPMa copolymer-geldanamycin derivative conjugates. <i>Pharmaceutical Research</i> , 2002, 19, 115-123.	1.7	29
74	Synthesis and Evaluation of a Peptide Targeted Small Molecular Gd-DOTA Monoamide Conjugate for MR Molecular Imaging of Prostate Cancer. <i>Bioconjugate Chemistry</i> , 2012, 23, 1548-1556.	1.8	29
75	RNA interference targeting hypoxia-inducible factor 1 α via a novel multifunctional surfactant attenuates glioma growth in an intracranial mouse model. <i>Journal of Neurosurgery</i> , 2015, 122, 331-341.	0.9	29
76	Improved synthesis and evaluation of 17-substituted aminoalkylgeldanamycin derivatives applicable to drug delivery systems. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2001, 11, 2089-2091.	1.0	26
77	Gd-DTPA I-Cystine Bisamide Copolymers as Novel Biodegradable Macromolecular Contrast Agents for MR Blood Pool Imaging. <i>Pharmaceutical Research</i> , 2006, 23, 1285-1294.	1.7	25
78	Noninvasive Evaluation of Antiangiogenic Effect in a Mouse Tumor Model by DCE-MRI with Gd-DTPA Cystamine Copolymers. <i>Molecular Pharmaceutics</i> , 2010, 7, 41-48.	2.3	25
79	Synthesis and Evaluation of a Nanoglobular Dendrimer 5-Aminosalicylic Acid Conjugate with a Hydrolyzable Schiff Base Spacer for Treating Retinal Degeneration. <i>ACS Nano</i> , 2014, 8, 153-161.	7.3	25
80	Extradomain-B Fibronectin-Targeted Dextran-Based Chemical Exchange Saturation Transfer Magnetic Resonance Imaging Probe for Detecting Pancreatic Cancer. <i>Bioconjugate Chemistry</i> , 2019, 30, 1425-1433.	1.8	25
81	Structural effect on degradability and in vivo contrast enhancement of polydisulfide Gd(III) complexes as biodegradable macromolecular MRI contrast agents. <i>Magnetic Resonance Imaging</i> , 2009, 27, 503-511.	1.0	24
82	New Amphiphilic Carriers Forming pH-Sensitive Nanoparticles for Nucleic Acid Delivery. <i>Langmuir</i> , 2010, 26, 13874-13882.	1.6	24
83	Overexpression of Extradomain-B Fibronectin is Associated with Invasion of Breast Cancer Cells. <i>Cells</i> , 2020, 9, 1826.	1.8	24
84	Synthesis and evaluation of a polydisulfide with Gd-DOTA monoamide side chains as a biodegradable macromolecular contrast agent for MR blood pool imaging. <i>Contrast Media and Molecular Imaging</i> , 2013, 8, 220-228.	0.4	23
85	Molecular MRI of Liver Fibrosis by a Peptide-Targeted Contrast Agent in an Experimental Mouse Model. <i>Investigative Radiology</i> , 2013, 48, 46-54.	3.5	23
86	Conjugation of poorly absorptive drugs with mucoadhesive polymers for the improvement of oral absorption of drugs. <i>Journal of Controlled Release</i> , 2007, 123, 195-202.	4.8	22
87	Polydisulfide-Based Biodegradable Macromolecular Magnetic Resonance Imaging Contrast Agents. <i>Israel Journal of Chemistry</i> , 2010, 50, 220-232.	1.0	22
88	Magnetic resonance molecular imaging of metastatic breast cancer by targeting extracellular matrix fibronectin in the tumor microenvironment. <i>Magnetic Resonance in Medicine</i> , 2018, 79, 3135-3143.	1.9	22
89	Optimization of ZD2 Peptide Targeted Gd(HP-DO3A) for Detection and Risk-Stratification of Prostate Cancer with MRI. <i>ACS Medicinal Chemistry Letters</i> , 2018, 9, 730-735.	1.3	22
90	Formulation of Biocompatible Targeted ECO/siRNA Nanoparticles with Long-Term Stability for Clinical Translation of RNAi. <i>Nucleic Acid Therapeutics</i> , 2019, 29, 195-207.	2.0	22

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91	Iodo(methoxydimethylsilyl)bis(trimethylsilyl)methane: a reagent for the preparation of novel Chemistry, 1996, 521, 113-120.	0.8	21
92	Efficacy of Targeted ECO/miR-200c Nanoparticles for Modulating Tumor Microenvironment and Treating Triple Negative Breast Cancer as Non-invasively Monitored by MR Molecular Imaging. Pharmaceutical Research, 2021, 38, 1405-1418.	1.7	21
93	Stability and Biodistribution of a Biodegradable Macromolecular MRI Contrast Agent Gd-DTPA Cystamine Copolymers (GDCC) in Rats. Pharmaceutical Research, 2010, 27, 1390-1397.	1.7	20
94	Prolonged prevention of retinal degeneration with retinylamine loaded nanoparticles. Biomaterials, 2015, 44, 103-110.	5.7	20
95	Modification of Gd-DTPA cystine copolymers with PEG-1000 optimizes pharmacokinetics and tissue retention for magnetic resonance angiography. Magnetic Resonance in Medicine, 2007, 58, 110-118.	1.9	19
96	Single cell molecular recognition of migrating and invading tumor cells using a targeted fluorescent probe to receptor PTPmu. International Journal of Cancer, 2013, 132, 1624-1632.	2.3	19
97	Effective MR Molecular Imaging of Triple Negative Breast Cancer With an EDB-Fibronectin-Specific Contrast Agent at Reduced Doses. Frontiers in Oncology, 2019, 9, 1351.	1.3	19
98	Environmentâ€Responsive Lipid/siRNA Nanoparticles for Cancer Therapy. Advanced Healthcare Materials, 2021, 10, e2001294.	3.9	19
99	Synthesis and Assessment of Peptide Gdâ€DOTA Conjugates Targeting Extradomain B Fibronectin for Magnetic Resonance Molecular Imaging of Prostate Cancer. Molecular Pharmaceutics, 2017, 14, 3906-3915.	2.3	19
100	Tumor Characterization with Dynamic Contrast Enhanced Magnetic Resonance Imaging and Biodegradable Macromolecular Contrast Agents in Mice. Pharmaceutical Research, 2009, 26, 2202-2208.	1.7	18
101	Polydisulfide manganese(II) complexes as nonâ€gadolinium biodegradable macromolecular MRI contrast agents. Journal of Magnetic Resonance Imaging, 2012, 35, 737-744.	1.9	18
102	Theranostics: Fusion of Therapeutics and Diagnostics. Pharmaceutical Research, 2014, 31, 1355-1357.	1.7	18
103	Dynamic Contrast Enhanced MRI Assessing the Antiangiogenic Effect of Silencing HIF-1Î± with Targeted Multifunctional ECO/siRNA Nanoparticles. Molecular Pharmaceutics, 2016, 13, 2497-2506.	2.3	18
104	Modification of Cyclosporin A and Conjugation of Its Derivative to HPMA Copolymers. Bioconjugate Chemistry, 2001, 12, 129-133.	1.8	16
105	Albumin pre-coating enhances intracellular siRNA delivery of multifunctional amphiphile/siRNA nanoparticles. International Journal of Nanomedicine, 2012, 7, 5205.	3.3	16
106	Synthesis of semitelechelic poly[N-(2-hydroxypropyl)methacryl-amide] by radical polymerization in the presence of alkyl mercaptans. Macromolecular Chemistry and Physics, 1999, 200, 2022-2030.	1.1	15
107	N-(2-Hydroxypropyl)methacrylamide Copolymer-9-Aminocamptothecin Conjugate: Colon-Specific Drug Delivery in Rats. Journal of Bioactive and Compatible Polymers, 2002, 17, 305-319.	0.8	15
108	Synthesis and Evaluation of a Targeted Nanoglobular Dual-Modal Imaging Agent for MR Imaging and Image-Guided Surgery of Prostate Cancer. Pharmaceutical Research, 2014, 31, 1469-1476.	1.7	15

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109	Molecular Imaging of Tumors Using a Quantitative T1 Mapping Technique via Magnetic Resonance Imaging. <i>Diagnostics</i> , 2015, 5, 318-332.	1.3	15
110	Formulation and efficacy of ECO/pRHO-ABCA4-SV40 nanoparticles for nonviral gene therapy of Stargardt disease in a mouse model. <i>Journal of Controlled Release</i> , 2021, 330, 329-340.	4.8	15
111	Design, synthesis and evaluation of spermine-based pH-sensitive amphiphilic gene delivery systems: Multifunctional non-viral gene carriers. <i>Science China Chemistry</i> , 2011, 54, 359-368.	4.2	14
112	New GABA modulators protect photoreceptor cells from light-induced degeneration in mouse models. <i>FASEB Journal</i> , 2018, 32, 3289-3300.	0.2	14
113	Noninvasive assessment and therapeutic monitoring of drug-resistant colorectal cancer by MR molecular imaging of extradomain-B fibronectin. <i>Theranostics</i> , 2020, 10, 11127-11143.	4.6	14
114	Magnetic Resonance Molecular Imaging of Extradomain B Fibronectin Improves Imaging of Pancreatic Cancer Tumor Xenografts. <i>Frontiers in Oncology</i> , 2020, 10, 586727.	1.3	14
115	Molecular Magnetic Resonance Imaging of Tumors with a PTP μ Targeted Contrast Agent. <i>Translational Oncology</i> , 2013, 6, 329-337.	1.7	13
116	Manganese-Enhanced MRI for Preclinical Evaluation of Retinal Degeneration Treatments. , 2015, 56, 4936.		13
117	Anti-angiogenic Effects of Bumetanide Revealed by DCE-MRI with a Biodegradable Macromolecular Contrast Agent in a Colon Cancer Model. <i>Pharmaceutical Research</i> , 2015, 32, 3029-3043.	1.7	13
118	Peptide targeted high-resolution molecular imaging of prostate cancer with MRI. <i>American Journal of Nuclear Medicine and Molecular Imaging</i> , 2014, 4, 525-36.	1.0	13
119	Oxidation of alkene with t-butyl hydroperoxide catalysed by copper(II) complexes of tris(2-benzimidazolylmethyl)amine: Model complexes of blue copper proteins. <i>Journal of Molecular Catalysis</i> , 1991, 70, 391-397.	1.2	12
120	Influence of Molecular Structure on the In Vivo Performance of Flexible Rod Polyrotaxanes. <i>Biomacromolecules</i> , 2016, 17, 2777-2786.	2.6	12
121	Magnetic resonance molecular imaging of extradomain B fibronectin enables detection of pancreatic ductal adenocarcinoma metastasis. <i>Magnetic Resonance Imaging</i> , 2022, 86, 37-45.	1.0	12
122	Synthesis and characterization of (4S)-silatrane-4-carboxylic acids; molecular structure of (3R,4S)-1-vinyl-3-methylsilatrane-4-carboxylic acid. <i>Journal of Organometallic Chemistry</i> , 1993, 446, 107-112.	0.8	11
123	A neutral polydisulfide containing Gd(III) DOTA monoamide as a redox-sensitive biodegradable macromolecular MRI contrast agent. <i>Contrast Media and Molecular Imaging</i> , 2016, 11, 32-40.	0.4	11
124	Chitosan oligosaccharide based Gd-DTPA complex as a potential bimodal magnetic resonance imaging contrast agent. <i>Magnetic Resonance Imaging</i> , 2016, 34, 1-7.	1.0	11
125	Magnetic resonance molecular imaging for non-invasive precision cancer diagnosis. <i>Current Opinion in Biomedical Engineering</i> , 2017, 3, 67-73.	1.8	11
126	Cryo-Imaging and Software Platform for Analysis of Molecular MR Imaging of Micrometastases. <i>International Journal of Biomedical Imaging</i> , 2018, 2018, 1-16.	3.0	11

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127	Stable Retinoid Analogue Targeted Dual pH-Sensitive Smart Lipid ECO/pDNA Nanoparticles for Specific Gene Delivery in the Retinal Pigment Epithelium. ACS Applied Bio Materials, 2020, 3, 3078-3086.	2.3	11
128	Stimuli-Responsive Nanotheranostics. Advanced Healthcare Materials, 2021, 10, e2100243.	3.9	11
129	Manganese(II) EOB-Pylen Diacetate for Liver-Specific MRI. ACS Applied Bio Materials, 2022, 5, 451-458.	2.3	11
130	Synthesis and evaluation of nanoglobule-cystamine-(Gd-DO3A), a biodegradable nanosized magnetic resonance contrast agent for dynamic contrast-enhanced magnetic resonance urography. International Journal of Nanomedicine, 2010, 5, 707.	3.3	10
131	Multifunctional PEG Retinylamine Conjugate Provides Prolonged Protection against Retinal Degeneration in Mice. Biomacromolecules, 2014, 15, 4570-4578.	2.6	10
132	Evaluation of Physicochemical Properties, Pharmacokinetics, Biodistribution, Toxicity, and Contrast-Enhanced Cancer MRI of a Cancer-Targeting Contrast Agent, MT218. Investigative Radiology, 2022, 57, 639-654.	3.5	8
133	Regulating Oncogenic LncRNA DANCER with Targeted ECO/siRNA Nanoparticles for Non-Small Cell Lung Cancer Therapy. ACS Omega, 2022, 7, 22743-22753.	1.6	8
134	Ocular Pharmacokinetic Study Using T1 Mapping and Gd-Chelate- Labeled Polymers. Pharmaceutical Research, 2011, 28, 3180-3188.	1.7	7
135	Gadolinium-based contrast agents for magnetic resonance cancer imaging. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2013, 5, 190-190.	3.3	7
136	A novel nonviral gene delivery system for treating Leber's congenital amaurosis. Therapeutic Delivery, 2017, 8, 823-826.	1.2	7
137	New Directions for Drug Delivery in Cancer Therapy. Molecular Pharmaceutics, 2018, 15, 3601-3602.	2.3	7
138	Preparation and Evaluation of ZD2 Peptide ⁶⁴ Cu-DOTA Conjugate as a Positron Emission Tomography Probe for Detection and Characterization of Prostate Cancer. ACS Omega, 2019, 4, 1185-1190.	1.6	7
139	Improving Radiation Response in Glioblastoma Using ECO/siRNA Nanoparticles Targeting DNA Damage Repair. Cancers, 2020, 12, 3260.	1.7	7
140	Contrast-Enhanced Magnetic Resonance Angiography with Biodegradable (Gd-DTPA)-Cystamine Copolymers: Comparison with MS-325 in a Swine Model. Molecular Pharmaceutics, 2006, 3, 558-565.	2.3	6
141	Intracellular siRNA delivery with novel spermine based surfactants. Science Bulletin, 2012, 57, 3979-3984.	1.7	6
142	Molecular imaging for precision medicine. Advanced Drug Delivery Reviews, 2017, 113, 1-2.	6.6	6
143	Preclinical Assessment of the Effectiveness of Magnetic Resonance Molecular Imaging of Extradomain-B Fibronectin for Detection and Characterization of Oral Cancer. Molecular Imaging and Biology, 2020, 22, 1532-1542.	1.3	6
144	Quantitative analysis of metastatic breast cancer in mice using deep learning on cryo-image data. Scientific Reports, 2021, 11, 17527.	1.6	6

#	ARTICLE	IF	CITATIONS
145	Fibronectin in the Tumor Microenvironment. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1245, 85-96.	0.8	6
146	Molecular MRI of atherosclerotic plaque progression in an ApoE(-/-) mouse model with a CLT1 peptide targeted macrocyclic Gd(III) chelate. <i>American Journal of Nuclear Medicine and Molecular Imaging</i> , 2013, 3, 446-55.	1.0	6
147	Application of Biomedical Imaging in Drug Discovery and Development. <i>Pharmaceutical Research</i> , 2007, 24, 1170-1171.	1.7	5
148	Application of a biodegradable macromolecular contrast agent in dynamic contrast-enhanced MRI for assessing the efficacy of indocyanine green-enhanced photothermal cancer therapy. <i>Journal of Magnetic Resonance Imaging</i> , 2009, 30, 401-406.	1.9	5
149	Synthesis and characterization of (4S)-1-chloroalkylsilatrane-4-carboxylic acids; crystal structures of (3R,4S)-1-chloromethyl-3-methylsilatrane-4-carboxylic acid and (3R,4S)-1-(3-chloropropyl)-3-methylsilatrane-4-carboxylic acid. <i>Journal of Organometallic Chemistry</i> , 1995, 489, C38-C43.	0.8	4
150	Role of α on epithelial-mesenchymal transition, invasion, and chemoresistance of prostate cancer cells. <i>Cancer Communications</i> , 2020, 40, 126-131.	3.7	4
151	Peptide Derivatives of Retinylamine Prevent Retinal Degeneration with Minimal Side Effects on Vision in Mice. <i>Bioconjugate Chemistry</i> , 2021, 32, 572-583.	1.8	4
152	Optimization of Synthesis of the Amino Lipid ECO for Effective Delivery of Nucleic Acids. <i>Pharmaceuticals</i> , 2021, 14, 1016.	1.7	4
153	Evaluation of CLT1-(Gd-DTPA) for Cancer MR Molecular Imaging in a Mouse Breast Cancer Model. <i>Bopuxue Zazhi</i> , 2011, 2, 325-330.	1.0	4
154	What Can You See with Imaging in Pharmaceutical Research?. <i>Molecular Pharmaceutics</i> , 2006, 3, 471-471.	2.3	3
155	Cancer Therapy: Targeted Dual pH-Sensitive Lipid ECO/siRNA Self-Assembly Nanoparticles Facilitate In Vivo Cytosolic siRNA Delivery and Overcome Paclitaxel Resistance in Breast Cancer Therapy (Adv.) <i>Tj ETQq1 1 0.7849 14 rgb0 /Overlock</i>	1.0	4
156	ECO/siRNA nanoparticles and breast cancer metastasis. <i>Oncoscience</i> , 2015, 2, 823-824.	0.9	0
157	Nanomaterials for Treating Ocular Diseases. <i>Methods in Pharmacology and Toxicology</i> , 2016, , 369-388.	0.1	0
158	Development of Dendrimer-Based Nanomaterials for Diagnostic and Therapeutic Applications. <i>Methods in Pharmacology and Toxicology</i> , 2016, , 47-63.	0.1	0