

# Alexei A Bogdanov Jr

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9482426/publications.pdf>

Version: 2024-02-01

159  
papers

10,182  
citations

44069

48  
h-index

34986

98  
g-index

162  
all docs

162  
docs citations

162  
times ranked

9166  
citing authors

#	ARTICLE	IF	CITATIONS
1	In vivo imaging of tumors with protease-activated near-infrared fluorescent probes. <i>Nature Biotechnology</i> , 1999, 17, 375-378.	17.5	1,578
2	Near-Infrared Optical Imaging of Protease Activity for Tumor Detection. <i>Radiology</i> , 1999, 213, 866-870.	7.3	571
3	Monocrystalline iron oxide nanocompounds (MION): Physicochemical properties. <i>Magnetic Resonance in Medicine</i> , 1993, 29, 599-604.	3.0	511
4	Poly(ethylene glycol) on the liposome surface: on the mechanism of polymer-coated liposome longevity. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1994, 1195, 11-20.	2.6	419
5	Long-circulating iron oxides for MR imaging. <i>Advanced Drug Delivery Reviews</i> , 1995, 16, 321-334.	13.7	374
6	Tumoral Distribution of Long-circulating Dextran-coated Iron Oxide Nanoparticles in a Rodent Model. <i>Radiology</i> , 2000, 214, 568-574.	7.3	357
7	Visualization of antitumor treatment by means of fluorescence molecular tomography with an annexin V-Cy5.5 conjugate. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 12294-12299.	7.1	355
8	Magnetically labeled cells can be detected by MR imaging. <i>Journal of Magnetic Resonance Imaging</i> , 1997, 7, 258-263.	3.4	336
9	Uptake of dextran-coated monocrystalline iron oxides in tumor cells and macrophages. <i>Journal of Magnetic Resonance Imaging</i> , 1997, 7, 1140-1145.	3.4	266
10	Magnetic Resonance Imaging of Inducible E-Selectin Expression in Human Endothelial Cell Culture. <i>Bioconjugate Chemistry</i> , 2002, 13, 122-127.	3.6	215
11	MR imaging and scintigraphy of gene expression through melanin induction.. <i>Radiology</i> , 1997, 204, 425-429.	7.3	198
12	Near-infrared fluorescent imaging of tumor apoptosis. <i>Cancer Research</i> , 2003, 63, 1936-42.	0.9	164
13	Imaging of Differential Protease Expression in Breast Cancers for Detection of Aggressive Tumor Phenotypes. <i>Radiology</i> , 2002, 222, 814-818.	7.3	161
14	Improving MR quantification of regional blood volume with intravascular T1 contrast agents: Accuracy, precision, and water exchange. <i>Magnetic Resonance in Medicine</i> , 1996, 36, 858-867.	3.0	153
15	Enzyme-Sensitive Magnetic Resonance Imaging Targeting Myeloperoxidase Identifies Active Inflammation in Experimental Rabbit Atherosclerotic Plaques. <i>Circulation</i> , 2009, 120, 592-599.	1.6	151
16	Annexin V-CLIO: A Nanoparticle for Detecting Apoptosis by MRI. <i>Molecular Imaging</i> , 2002, 1, 102-107.	1.4	148
17	Imaging of Myeloperoxidase in Mice by Using Novel Amplifiable Paramagnetic Substrates. <i>Radiology</i> , 2006, 240, 473-481.	7.3	147
18	Cerebrovascular Dynamics of Autoregulation and Hypoperfusion. <i>Stroke</i> , 1999, 30, 2197-2205.	2.0	138

#	ARTICLE	IF	CITATIONS
19	Human myeloperoxidase: A potential target for molecular MR imaging in atherosclerosis. <i>Magnetic Resonance in Medicine</i> , 2004, 52, 1021-1028.	3.0	127
20	Oligomerization of Paramagnetic Substrates Result in Signal Amplification and can be Used for MR Imaging of Molecular Targets. <i>Molecular Imaging</i> , 2002, 1, 16-23.	1.4	126
21	MR lymphography: study of a high-efficiency lymphotropic agent.. <i>Radiology</i> , 1994, 191, 225-230.	7.3	122
22	Colloidal magnetic resonance contrast agents: effect of particle surface on biodistribution. <i>Journal of Magnetism and Magnetic Materials</i> , 1993, 122, 383-386.	2.3	116
23	Optical Imaging of Apoptosis as a Biomarker of Tumor Response to Chemotherapy. <i>Neoplasia</i> , 2003, 5, 187-192.	5.3	111
24	DTPA-bisamide-Based MR Sensor Agents for Peroxidase Imaging. <i>Organic Letters</i> , 2005, 7, 1719-1722.	4.6	101
25	The development of in vivo imaging systems to study gene expression. <i>Trends in Biotechnology</i> , 1998, 16, 5-10.	9.3	85
26	Size Optimization of Synthetic Graft Copolymers for in Vivo Angiogenesis Imaging. <i>Bioconjugate Chemistry</i> , 2001, 12, 213-219.	3.6	79
27	A Long-Circulating co-Polymer in "Passive Targeting" to Solid Tumors. <i>Journal of Drug Targeting</i> , 1997, 4, 321-330.	4.4	69
28	Protein immobilization on the surface of liposomes via carbodiimide activation in the presence of N-hydroxysulfosuccinimide. <i>FEBS Letters</i> , 1988, 231, 381-384.	2.8	65
29	Characterizing Vascular Parameters in Hypoxic Regions: A Combined Magnetic Resonance and Optical Imaging Study of a Human Prostate Cancer Model. <i>Cancer Research</i> , 2006, 66, 9929-9936.	0.9	65
30	Mapping the In Vivo Distribution of Herpes Simplex Virions. <i>Human Gene Therapy</i> , 1998, 9, 1543-1549.	2.7	63
31	Targeted imaging of human endothelial-specific marker in a model of adoptive cell transfer. <i>Laboratory Investigation</i> , 2006, 86, 599-609.	3.7	63
32	Mion-ASF: Biokinetics of an MR receptor agent. <i>Magnetic Resonance Imaging</i> , 1993, 11, 411-417.	1.8	61
33	Trapping of dextran-coated colloids in liposomes by transient binding to aminophospholipid: preparation of ferrosomes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1994, 1193, 212-218.	2.6	61
34	Fluorescence resonance energy transfer in near-infrared fluorescent oligonucleotide probes for detecting protein-DNA interactions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 4156-4161.	7.1	61
35	A paramagnetic contrast agent with myeloperoxidase-sensing properties. <i>Organic and Biomolecular Chemistry</i> , 2006, 4, 1887.	2.8	58
36	Long-circulating blood pool imaging agents. <i>Advanced Drug Delivery Reviews</i> , 1995, 16, 335-348.	13.7	56

#	ARTICLE	IF	CITATIONS
37	Cellular Activation of the Self-Quenched Fluorescent Reporter Probe in Tumor Microenvironment. <i>Neoplasia</i> , 2002, 4, 228-236.	5.3	56
38	Carotid Artery Brain Aneurysm Model: In Vivo Molecular Enzyme-specific MR Imaging of Active Inflammation in a Pilot Study. <i>Radiology</i> , 2009, 252, 696-703.	7.3	55
39	Annexin V-CLIO: A Nanoparticle for Detecting Apoptosis by MRI. <i>Molecular Imaging</i> , 2002, 1, 153535002002021.	1.4	54
40	Targeted delivery of diagnostic agents by surface-modified liposomes. <i>Journal of Controlled Release</i> , 1994, 28, 45-58.	9.9	52
41	Mechanism of gadophrin-2 accumulation in tumor necrosis. <i>Journal of Magnetic Resonance Imaging</i> , 1999, 9, 336-341.	3.4	52
42	New approaches for imaging in gene therapy. <i>European Journal of Radiology</i> , 2000, 34, 156-165.	2.6	52
43	In vivo imaging of gene delivery and expression. <i>Trends in Biotechnology</i> , 2002, 20, S11-S18.	9.3	52
44	Continuous assessment of perfusion by tagging including volume and water extraction (CAPTIVE): A steady-state contrast agent technique for measuring blood flow, relative blood volume fraction, and the water extraction fraction. <i>Magnetic Resonance in Medicine</i> , 1998, 40, 666-678.	3.0	51
45	Myeloperoxidase in Human Intracranial Aneurysms. <i>Stroke</i> , 2014, 45, 1474-1477.	2.0	51
46	Magnetically Labeled Secretin Retains Receptor Affinity to Pancreas Acinar Cells. <i>Bioconjugate Chemistry</i> , 1996, 7, 311-316.	3.6	50
47	An Adduct of cis-Diamminedichloroplatinum(II) and Poly(ethylene glycol)poly(L-lysine)-Succinate: Synthesis and Cytotoxic Properties. <i>Bioconjugate Chemistry</i> , 1996, 7, 144-149.	3.6	50
48	Non-invasive in vivo mapping of tumour vascular and interstitial volume fractions. <i>European Journal of Cancer</i> , 1998, 34, 1448-1454.	2.8	50
49	Noninvasive Magnetic Resonance Imaging of Microvascular Changes in Type 1 Diabetes. <i>Diabetes</i> , 2007, 56, 2677-2682.	0.6	50
50	Gold Nanoparticles Stabilized with MPEG-Grafted Poly(L-lysine): in Vitro and in Vivo Evaluation of a Potential Theranostic Agent. <i>Bioconjugate Chemistry</i> , 2015, 26, 39-50.	3.6	50
51	Linear Polyethyleneimine Grafted to a Hyperbranched Poly(ethylene glycol)-like Core: A Copolymer for Gene Delivery. <i>Bioconjugate Chemistry</i> , 2006, 17, 125-131.	3.6	49
52	Antibody-Mediated versus Nontargeted Delivery in a Human Small Cell Lung Carcinoma Model. <i>Bioconjugate Chemistry</i> , 1998, 9, 184-191.	3.6	48
53	Approaches and agents for imaging the vascular system. <i>Advanced Drug Delivery Reviews</i> , 1999, 37, 279-293.	13.7	48
54	Preclinical evaluation and phase I clinical trial of a <sup>99m</sup> Tc-labeled synthetic polymer used in blood pool imaging. <i>American Journal of Roentgenology</i> , 1998, 171, 137-143.	2.2	46

#	ARTICLE	IF	CITATIONS
55	In vivo assessment of vascular endothelial growth factor-induced angiogenesis. , 1999, 83, 798-802.		46
56	Novel Gliosarcoma Cell Line Expressing Green Fluorescent Protein: A Model for Quantitative Assessment of Angiogenesis. Microvascular Research, 1998, 56, 145-153.	2.5	45
57	Human adipose-derived mesenchymal stem cells attenuate liver ischemia-reperfusion injury and promote liver regeneration. Surgery, 2014, 156, 1225-1231.	1.9	44
58	Novel Hyperbranched Dendron for Gene Transfer in Vitro and in Vivo. Bioconjugate Chemistry, 2004, 15, 960-968.	3.6	42
59	Amplification strategies in MR imaging: Activation and accumulation of sensing contrast agents (SCAs). Journal of Magnetic Resonance Imaging, 2006, 24, 971-982.	3.4	41
60	Molecular Magnetic Resonance Contrast Agents for the Detection of Cancer: Past and Present. Seminars in Oncology, 2011, 38, 42-54.	2.2	39
61	Measurement of tumor interstitial volume fraction: Method and implication for drug delivery. Magnetic Resonance in Medicine, 2004, 52, 485-494.	3.0	34
62	Imaging of VEGF Receptor Kinase Inhibitor-Induced Antiangiogenic Effects in Drug-Resistant Human Adenocarcinoma Model. Neoplasia, 2005, 7, 847-853.	5.3	34
63	Determinants of in vivo MR imaging of slow axonal transport.. Radiology, 1994, 193, 485-491.	7.3	33
64	<sup>19</sup> F MRI of Polymer Nanogels Aided by Improved Segmental Mobility of Embedded Fluorine Moieties. Biomacromolecules, 2019, 20, 790-800.	5.4	33
65	Detection of pulmonary emboli by using MR angiography with MPEG-PL-GdDTPA: an experimental study in rabbits.. American Journal of Roentgenology, 1994, 162, 1041-1046.	2.2	32
66	MR imaging of gene delivery to the central nervous system with an artificial vector.. Radiology, 1998, 208, 65-71.	7.3	32
67	The fusion of artificial lipid membranes induced by the synthetic arenavirus "fusion peptide"™. Biochimica Et Biophysica Acta - Biomembranes, 1992, 1110, 202-208.	2.6	31
68	Imaging Molecular Expression on Vascular Endothelial Cells by In Vivo Immunofluorescence Microscopy. Molecular Imaging, 2006, 5, 7290.2006.00004.	1.4	31
69	In vivo quantification of transvascular water exchange during the acute phase of permanent stroke. Magnetic Resonance in Medicine, 2008, 60, 813-821.	3.0	29
70	Detection of Early Antiangiogenic Effects in Human Colon Adenocarcinoma Xenografts: In vivo Changes of Tumor Blood Volume in Response to Experimental VEGFR Tyrosine Kinase Inhibitor. Cancer Research, 2005, 65, 9253-9260.	0.9	26
71	Imaging Inflammation in Cerebrovascular Disease. Stroke, 2015, 46, 2991-2997.	2.0	26
72	MR Imaging of Slow Axonal Transport in Vivo. Experimental Neurology, 1993, 123, 235-242.	4.1	25

#	ARTICLE	IF	CITATIONS
73	Protected Graft Copolymer (PGC) in Imaging and Therapy: A Platform for the Delivery of Covalently and Non-Covalently Bound Drugs. <i>Theranostics</i> , 2012, 2, 553-576.	10.0	25
74	Aneurysm permeability following coil embolization: packing density and coil distribution. <i>Journal of NeuroInterventional Surgery</i> , 2015, 7, 676-681.	3.3	25
75	Design of metal-binding green fluorescent protein variants. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 1998, 1397, 56-64.	2.4	23
76	Engineering of technetium-99m-binding artificial receptors for imaging gene expression. <i>Journal of Gene Medicine</i> , 2003, 5, 1056-1066.	2.8	23
77	A Paramagnetic Contrast Agent for Detecting Tyrosinase Activity. <i>ChemBioChem</i> , 2007, 8, 1637-1641.	2.6	23
78	In vivo fluorescence lifetime detection of an activatable probe in infarcted myocardium. <i>Journal of Biomedical Optics</i> , 2012, 17, 056001.	2.6	23
79	Dual radiosensitization and anti-STAT3 anti-proliferative strategy based on delivery of gold nanoparticle - oligonucleotide nanoconstructs to head and neck cancer cells.. <i>Nanotheranostics</i> , 2018, 2, 1-11.	5.2	23
80	High-resolution Imaging of Myeloperoxidase Activity Sensors in Human Cerebrovascular Disease. <i>Scientific Reports</i> , 2018, 8, 7687.	3.3	23
81	Methotrexate-Induced Accumulation of Fluorescent Annexin V in Collagen-Induced Arthritis. <i>Molecular Imaging</i> , 2005, 4, 153535002005041.	1.4	22
82	Oligomerization of Paramagnetic Substrates Result in Signal Amplification and Can be Used for MR Imaging of Molecular Targets. <i>Molecular Imaging</i> , 2002, 1, 153535002002000.	1.4	21
83	Magnetic resonance contrast agents in optical clearing: Prospects for multimodal tissue imaging. <i>Journal of Biophotonics</i> , 2020, 13, e201960249.	2.3	21
84	Quantitation of slow drug release from an implantable and degradable gentamicin conjugate by in vivo magnetic resonance imaging. <i>Antimicrobial Agents and Chemotherapy</i> , 1995, 39, 839-845.	3.2	20
85	Experimental gastrointestinal hemorrhage: detection with contrast-enhanced MR imaging and scintigraphy.. <i>Radiology</i> , 1995, 196, 239-244.	7.3	20
86	DNA binding chelates for nonviral gene delivery imaging. <i>Gene Therapy</i> , 2001, 8, 515-522.	4.5	20
87	Inflammation: imaging with methoxy poly(ethylene glycol)-poly-L-lysine-DTPA, a long-circulating graft copolymer.. <i>Radiology</i> , 1995, 197, 665-669.	7.3	19
88	Targeting of Green Fluorescent Protein Expression to the Cell Surface. <i>Biochemical and Biophysical Research Communications</i> , 1999, 262, 638-642.	2.1	19
89	Targeting of MPEG-protected polyamino acid carrier to human E-selectin in vitro. <i>Amino Acids</i> , 2002, 23, 301-308.	2.7	19
90	Imaging molecular expression on vascular endothelial cells by in vivo immunofluorescence microscopy. <i>Molecular Imaging</i> , 2006, 5, 31-40.	1.4	18

#	ARTICLE	IF	CITATIONS
91	Destabilization of pH-sensitive liposomes in the presence of human erythrocyte ghosts. <i>Journal of Controlled Release</i> , 1992, 20, 219-229.	9.9	17
92	Myeloperoxidase Activity Imaging Using <sup>67</sup> Ga Labeled Substrate. <i>Molecular Imaging and Biology</i> , 2005, 7, 403-410.	2.6	17
93	Merging molecular imaging and RNA interference: Early experience in live animals. <i>Journal of Cellular Biochemistry</i> , 2008, 104, 1113-1123.	2.6	17
94	Targeted Signal-Amplifying Enzymes Enhance MRI of EGFR Expression in an Orthotopic Model of Human Glioma. <i>Cancer Research</i> , 2011, 71, 2230-2239.	0.9	17
95	Peroxidase Sensitive Amplifiable Probe for Molecular Magnetic Resonance Imaging of Pulmonary Inflammation. <i>ACS Sensors</i> , 2019, 4, 2412-2419.	7.8	17
96	Lectin-bearing liposomes: Differential binding to normal and to transformed mouse fibroblasts. <i>Experimental Cell Research</i> , 1989, 181, 362-374.	2.6	16
97	Synthesis and Testing of a Binary Catalytic System for Imaging of Signal Amplification in Vivo. <i>Bioconjugate Chemistry</i> , 2007, 18, 1123-1130.	3.6	16
98	In Vivo localization of diglycylcysteine-bearing synthetic peptides by nuclear imaging of oxotechnetate transchelation. <i>Nuclear Medicine and Biology</i> , 1997, 24, 739-742.	0.6	15
99	Synthesis and Properties of Fluorescent NF- $\kappa$ B-Recognizing Hairpin Oligodeoxyribonucleotide Decoys. <i>Bioconjugate Chemistry</i> , 2004, 15, 1481-1487.	3.6	15
100	Optical Imaging of the Adoptive Transfer of Human Endothelial Cells in Mice Using Anti-Human CD31 Monoclonal Antibody. <i>Pharmaceutical Research</i> , 2007, 24, 1186-1192.	3.5	15
101	Synthesis and Testing of Modular Dual-Modality Nanoparticles for Magnetic Resonance and Multispectral Photoacoustic Imaging. <i>Bioconjugate Chemistry</i> , 2016, 27, 383-390.	3.6	15
102	Near-Infrared Fluorescent Oligodeoxyribonucleotide Reporters for Sensing NF- $\kappa$ B DNA Interactions <i>In Vitro</i> . <i>Oligonucleotides</i> , 2008, 18, 235-243.	2.7	14
103	Asymmetry in <i>trans</i> -bilayer lateral pressure may drive expansion of the secretion fusion pore. <i>Biochemical Society Transactions</i> , 1993, 21, 271-275.	3.4	13
104	Cell death in NF- $\kappa$ B-dependent tumour cell lines as a result of NF- $\kappa$ B trapping by linker-modified hairpin decoy oligonucleotide. <i>FEBS Letters</i> , 2007, 581, 1143-1150.	2.8	13
105	Hairpin-Like Fluorescent Probe for Imaging of NF- $\kappa$ B Transcription Factor Activity. <i>Bioconjugate Chemistry</i> , 2011, 22, 759-765.	3.6	13
106	Imaging the pancreatic vasculature in diabetes models. <i>Diabetes/Metabolism Research and Reviews</i> , 2011, 27, 767-772.	4.0	13
107	MR Imaging of Myeloperoxidase Activity in a Model of the Inflamed Aneurysm Wall. <i>American Journal of Neuroradiology</i> , 2015, 36, 146-152.	2.4	13
108	Restoration of adhesive potentials of Ehrlich ascites carcinoma cells by modification of plasma membrane. <i>Journal of Cellular Physiology</i> , 1991, 147, 182-190.	4.1	12

#	ARTICLE	IF	CITATIONS
109	Steady-state and Dynamic Contrast MR Imaging of Human Prostate Cancer Xenograft Tumors: A Comparative Study. <i>Technology in Cancer Research and Treatment</i> , 2002, 1, 489-495.	1.9	12
110	Fluorocarbons Enhance Intracellular Delivery of Short STAT3-sensors and Enable Specific Imaging. <i>Theranostics</i> , 2017, 7, 3354-3368.	10.0	12
111	Liposomal diamidine (imidocarb): Preparation and animal studies. <i>Journal of Microencapsulation</i> , 1994, 11, 627-632.	2.8	11
112	Liposome-encapsulated superoxide dismutase mimetic: theranostic potential of an MR detectable and neuroprotective agent. <i>Contrast Media and Molecular Imaging</i> , 2014, 9, 221-228.	0.8	11
113	Relative Blood Volume Measurements by Magnetic Resonance Imaging Facilitate Detection of Testicular Torsion. <i>Investigative Radiology</i> , 1997, 32, 763-769.	6.2	11
114	Polymeric contrast agents for MR imaging of adrenal glands. <i>Journal of Magnetic Resonance Imaging</i> , 1993, 3, 93-97.	3.4	10
115	A Novel Thymidine Phosphoramidite Synthron for Incorporation of Internucleoside Phosphate Linkers During Automated Oligodeoxynucleotide Synthesis. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2008, 27, 157-172.	1.1	10
116	In vitro and In vivo imaging of antivascuogenesis induced by Noggin protein expression in human venous endothelial cells. <i>FASEB Journal</i> , 2009, 23, 4126-4134.	0.5	10
117	Environment-sensitive and Enzyme-sensitive MR Contrast Agents. <i>Handbook of Experimental Pharmacology</i> , 2008, , 37-57.	1.8	10
118	Thiolation of preformed liposomes with iminothiolane. <i>FEBS Letters</i> , 1987, 214, 13-16.	2.8	8
119	Viral imaging in gene therapy. <i>Neuroimaging Clinics of North America</i> , 2002, 12, 571-581.	1.0	8
120	Sensing of transcription factor binding via cyanine dye pair fluorescence lifetime changes. <i>Molecular BioSystems</i> , 2012, 8, 2166.	2.9	8
121	Protected Graft Copolymer (PGC) Basal Formulation of Insulin as Potentially Safer Alternative to Lantus® (Insulin-Glargine): A Streptozotocin-Induced, Diabetic Sprague Dawley Rats Study. <i>Pharmaceutical Research</i> , 2012, 29, 1033-1039.	3.5	8
122	Substrate-Based Near-Infrared Imaging Sensors Enable Fluorescence Lifetime Contrast via Built-in Dynamic Fluorescence Quenching Elements. <i>ACS Sensors</i> , 2016, 1, 427-436.	7.8	8
123	Dynamic monitoring of blood-brain barrier integrity using water exchange index (WEI) during mannitol and CO <sub>2</sub> challenges in mouse brain. <i>NMR in Biomedicine</i> , 2013, 26, 376-385.	2.8	7
124	Hydrophobic-core PEGylated graft copolymer-stabilized nanoparticles composed of insoluble non-nucleoside reverse transcriptase inhibitors exhibit strong anti-HIV activity. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2016, 12, 2405-2413.	3.3	7
125	Pilot study to assess visualization and therapy of inflammatory mechanisms after vessel reopening in a mouse stroke model. <i>Scientific Reports</i> , 2018, 8, 745.	3.3	7
126	A Novel Paramagnetic Substrate for Detecting Myeloperoxidase Activity in Vivo. <i>Molecular Imaging</i> , 2012, 11, 7290.2012.00006.	1.4	6



#	ARTICLE	IF	CITATIONS
127	Fluorescent Macromolecular Sensors of Enzymatic Activity for In Vivo Imaging. Progress in Molecular Biology and Translational Science, 2013, 113, 349-387.	1.7	6
128	Synthesis and applications of theranostic oligonucleotides carrying multiple fluorine atoms. Theranostics, 2020, 10, 1391-1414.	10.0	6
129	The three-dimensional context of a double helix determines the fluorescence of the internucleoside-tethered pair of fluorophores. Molecular BioSystems, 2013, 9, 2447.	2.9	5
130	Antiretroviral Hydrophobic Core Graft-Copolymer Nanoparticles: The Effectiveness against Mutant HIV-1 Strains and in Vivo Distribution after Topical Application. Pharmaceutical Research, 2019, 36, 73.	3.5	5
131	In situ decellularization of a large animal saccular aneurysm model: sustained inflammation and active aneurysm wall remodeling. Journal of NeuroInterventional Surgery, 2021, 13, 267-271.	3.3	5
132	MR and fluorescence imaging of gadobutrol-induced optical clearing of red fluorescent protein signal in an in vivo cancer model. NMR in Biomedicine, 2022, 35, e4708.	2.8	5
133	In vivo imaging in the development of gene therapy vectors. Current Opinion in Molecular Therapeutics, 2003, 5, 594-602.	2.8	5
134	Biotin-Bearing pH-Sensitive Liposomes: High-Affinity Binding to Avidin Layer. Journal of Liposome Research, 1989, 1, 233-244.	3.3	4
135	A Drug System (PDH) for Interventional Radiology Synthesis, Properties, and Efficacy. Investigative Radiology, 1993, 28, 1083-1089.	6.2	4
136	Imaging NF- $\kappa$ B activity in a murine model of early stage diabetes. FASEB Journal, 2020, 34, 1198-1210.	0.5	4
137	A novel paramagnetic substrate for detecting myeloperoxidase activity in vivo. Molecular Imaging, 2012, 11, 433-43.	1.4	4
138	Intravenous carriers for drug delivery to lymph nodes. Journal of Controlled Release, 1994, 28, 293-294.	9.9	3
139	Protected Graft Copolymer Excipient Leads to a Higher Acute Maximum Tolerated Dose and Extends Residence Time of Vasoactive Intestinal Peptide Significantly Better than Sterically Stabilized Micelles. Pharmaceutical Research, 2013, 30, 670-682.	3.5	3
140	Protein Immobilization on Liposomes. Annals of the New York Academy of Sciences, 1984, 434, 580-581.	3.8	2
141	Plate Capture Assay of Fluorescent Oligonucleotide Duplex Reporter <sup>+</sup> Transcription Factor Complexes. Bioconjugate Chemistry, 2009, 20, 1444-1448.	3.6	2
142	Sensors for Proteolytic Activity Visualization and Their Application in Animal Models of Human Diseases. Biochemistry (Moscow), 2019, 84, 1-18.	1.5	2
143	Towards registration of optical and MR signal changes in subcutaneous tumor volume in vivo after optical skin clearing. , 2020, , .		2
144	Adhesion defect of ascites cells corrected with membrane-bound attachment molecules. FEBS Letters, 1988, 241, 185-187.	2.8	1

#	ARTICLE	IF	CITATIONS
145	Orthotopic Expression of Noggin Protein in Cancer Cells Inhibits Human Lung Carcinoma Growth In Vivo. <i>Molecular Imaging and Biology</i> , 2012, 14, 480-488.	2.6	1
146	MR Signal Amplification for Imaging of the Mutant EGF Receptor in Orthotopic Human Glioma Model. <i>Molecular Imaging and Biology</i> , 2013, 15, 675-684.	2.6	1
147	Multimodal Bone Metastasis-associated Epidermal Growth Factor Receptor Imaging in an Orthotopic Rat Model. <i>Radiology Imaging Cancer</i> , 2021, 3, e200069.	1.6	1
148	Optical clearing effects in subcutaneous red-fluorescent tumors monitored by fluorescence and magnetic resonance imaging in vivo (Conference Presentation). , 2020, , .		1
149	Macromolecular complexone for detection of microvasculature by magnetic resonance angiography. <i>Journal of Controlled Release</i> , 1994, 28, 325-326.	9.9	0
150	Superparamagnetic Iron Oxides as Imaging Probes of Metastases and Vulnerable Atherosclerotic Plaques. <i>Frontiers in Nanobiomedical Research</i> , 2014, , 15-45.	0.1	0
151	Optical clearing and multimodality fluorescence and magnetic resonance imaging in cancer models. , 2021, , .		0
152	Magnetic Resonance Detection of Inflammation in Elastase-Induced Aneurysms. , 2008, , .		0
153	Targeted Enzyme-Specific Molecular MR Imaging of Focal Catheter-Induced Vascular Injury. , 2009, , .		0
154	Validation of Di-5-HT-Gd-DTPA, an Enzyme-Specific MR Contrast Agent for Myeloperoxidase, in the Rabbit Elastase Model of Cerebrovascular Aneurysm. , 2009, , .		0
155	Tomographic Fluorescence Lifetime Imaging. , 2012, , .		0
156	In Vivo Fluorescence Lifetime Detection of a Cathepsin-Activatable Probe in Infarcted Myocardium. , 2012, , .		0
157	Abstract 2443: MR imaging in human glioma tumor xenograft models using enzyme-conjugated anti-EGFRvIII-specific antibody fragments. , 2012, , .		0
158	Modeling Unstable Brain Aneurysms: MR Molecular Imaging of Myeloperoxidase in Vascular Wall and Correlation With Human Pathology. , 2013, , .		0
159	Near-infrared oligonucleotide duplex sensors for imaging rapidly activated transcription factors in vitro and in situ. , 2019, , .		0