

List of Publications by Year in descending order

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Kinchi

#	Article	IF	CITATIONS
1	Ultrasound controlled mechanophore activation in hydrogels for cancer therapy. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	27
2	Epigenetic MRI: Noninvasive imaging of DNA methylation in the brain. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2119891119.	7.1	3
3	High-intensity focused ultrasound-induced mechanochemical transduction in synthetic elastomers. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 10214-10222.	7.1	57
4	Enhancing tissue permeability with MRI guided preclinical focused ultrasound system in rabbit muscle: From normal tissue to VX2 tumor. Journal of Controlled Release, 2017, 256, 1-8.	9.9	8
5	A systematic approach to predicting the risk of unicompartmental knee arthroplasty revision. Osteoarthritis and Cartilage, 2016, 24, 991-999.	1.3	15
6	Prediction of treatment efficacy for prostate cancer using a mathematical model. Scientific Reports, 2016, 6, 21599.	3.3	35
7	A Systematic Approach to Predicting Spring Force for Sagittal Craniosynostosis Surgery. Journal of Craniofacial Surgery, 2016, 27, 636-643.	0.7	19
8	Remote spatiotemporally controlled and biologically selective permeabilization of blood-brain barrier. Journal of Controlled Release, 2015, 217, 113-120.	9.9	24
9	Multivalency of Non-Peptide Integrin α _V β ₃ Antagonist Slows Tumor Growth. Molecular Pharmaceutics, 2013, 10, 3603-3611.	4.6	11
10	Digitization of Medicine. Academic Radiology, 2013, 20, 1479-1494.	2.5	17
11	Radiology Research Alliance. Academic Radiology, 2013, 20, 1477-1478.	2.5	1
12	Synthesis and evaluation of an imidazole derivative–fluorescein conjugate. Bioorganic and Medicinal Chemistry, 2013, 21, 2418-2425.	3.0	2
13	Expert Opinion. Journal of Thoracic Imaging, 2013, 28, 2.	1.5	0
14	Enhanced MRI relaxivity of Gd ³⁺ â€based contrast agents geometrically confined within porous nanoconstructs. Contrast Media and Molecular Imaging, 2012, 7, 501-508.	0.8	46
15	Anaerobic conditions to reduce oxidation of proteins and to accelerate the copper-catalyzed "Click― reaction with a water-soluble bis(triazole) ligand. Chemical Communications, 2011, 47, 3186.	4.1	36
16	Biomarker Motif Discovery by Integrating Mass Spectrometry and PPI Network. , 2011, , .		0
17	Synthesis and evaluation of bivalent, peptidomimetic antagonists of the αvβ3 integrins. Bioorganic and Medicinal Chemistry Letters, 2010, 20, 6577-6580.	2.2	10
18	99mTc-labeling of Peptidomimetic Antagonist to Selectively Target αvβ3 Receptor-Positive Tumor: Comparison of PDA and EDDA as Co-Ligands. Current Radiopharmaceuticals, 2010, 3, 1-8.	0.8	3

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19	"Clickableâ€; polymerized liposomes as a versatile and stable platform for rapid optimization of their peripheral compositions. Chemical Communications, 2010, 46, 5746.	4.1	35
20	Identification of biomarkers for risk stratification of cardiovascular events using genetic algorithm with recursive local floating search. Proteomics, 2009, 9, 2286-2294.	2.2	7
21	From molecular imaging to systems diagnostics: Time for another paradigm shift?. European Journal of Radiology, 2009, 70, 201-204.	2.6	2
22	Computational Prediction Models for Early Detection of Risk of Cardiovascular Events Using Mass Spectrometry Data. IEEE Transactions on Information Technology in Biomedicine, 2008, 12, 636-643.	3.2	18
23	The Knowledge-Integrated Network Biomarkers Discovery for Major Adverse Cardiac Events. Journal of Proteome Research, 2008, 7, 4013-4021.	3.7	67
24	Reversible jump MCMC approach for peak identification for stroke SELDI mass spectrometry using mixture model. Bioinformatics, 2008, 24, i407-i413.	4.1	15
25	Pulsed High-Intensity Focused Ultrasound Enhances Uptake of Radiolabeled Monoclonal Antibody to Human Epidermoid Tumor in Nude Mice. Journal of Nuclear Medicine, 2008, 49, 295-302.	5.0	87
26	Acoustic fingerprints of photoacoustic contrast agents for molecular imaging. , 2007, , .		0
27	Pulsed-high intensity focused ultrasound enhanced tPA mediated thrombolysis in a novel in vivo clot model, a pilot study. Thrombosis Research, 2007, 121, 193-202.	1.7	70
28	Radiolabeled high affinity peptidomimetic antagonist selectively targets αvβ3 receptor-positive tumor in mice. Nuclear Medicine and Biology, 2007, 34, 363-370.	0.6	21
29	Pulsed-High Intensity Focused Ultrasound and Low Temperature–Sensitive Liposomes for Enhanced Targeted Drug Delivery and Antitumor Effect. Clinical Cancer Research, 2007, 13, 2722-2727.	7.0	436
30	Biomarker Discovery for Risk Stratification of Cardiovascular Events using an Improved Genetic Algorithm. , 2006, , .		11
31	Delivery of Liposomal Doxorubicin (Doxil) in a Breast Cancer Tumor Model: Investigation of Potential Enhancement by Pulsed-High Intensity Focused Ultrasound Exposure. Academic Radiology, 2006, 13, 469-479.	2.5	144
32	Potential role of pulsed-high intensity focused ultrasound in gene therapy. Future Oncology, 2006, 2, 111-119.	2.4	69
33	Advancing the Boundaries of Molecular Imaging. Biological Psychiatry, 2006, 59, 881-882.	1.3	1
34	Live cell imaging of the endocytosis and the intracellular trafficking of multifunctional lipid nanoparticles. , 2006, , .		0
35	Validation of a fiber-based confocal microscope for interventional image-guided procedures: correlation with multispectral optical imaging. , 2006, 6143, 1039.		0
36	A review: Integrin αvβ3-targeted molecular imaging and therapy in angiogenesis. Nanomedicine: Nanotechnology, Biology, and Medicine, 2005, 1, 110-114.	3.3	46

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37	Synthesis, in vitro, and in vivo characterization of an integrin αvβ3-targeted molecular probe for optical imaging of tumor. Bioorganic and Medicinal Chemistry, 2005, 13, 3763-3771.	3.0	40
38	Detection and Localization of Proteinuria by Dynamic Contrast-Enhanced Magnetic Resonance Imaging Using MS325. Journal of the American Society of Nephrology: JASN, 2005, 16, 1752-1757.	6.1	13
39	First results from the high-resolution mouseSPECT annular scintillation camera. IEEE Transactions on Medical Imaging, 2005, 24, 863-867.	8.9	40
40	Potential Applications of Conventional and Molecular Imaging to Biodefense Research. Clinical Infectious Diseases, 2005, 40, 1471-1480.	5.8	17
41	Gadolinium-Rhodamine Nanoparticles for Cell Labeling and Tracking via Magnetic Resonance and Optical Imaging. Bioconjugate Chemistry, 2005, 16, 995-999.	3.6	135
42	Vascular-Targeted Nanoparticles for Molecular Imaging and Therapy. Methods in Enzymology, 2004, 386, 219-236.	1.0	39
43	Molecular Imaging Applications in Nanomedicine. Biomedical Microdevices, 2004, 6, 113-116.	2.8	79
44	A primer on molecular biology for imagers. Academic Radiology, 2004, 11, 686-697.	2.5	8
45	A primer on molecular biology for imagers. Academic Radiology, 2004, 11, 97-100.	2.5	0
46	A primer on molecular biology for imagers. Academic Radiology, 2004, 11, 817-828.	2.5	2
47	A primer on molecular biology for imagers. Academic Radiology, 2004, 11, 448-461.	2.5	10
48	A primer on molecular biology for imagers. Academic Radiology, 2004, 11, 28-41.	2.5	0
49	A primer on molecular biology for imagers. Academic Radiology, 2004, 11, 1159-1170.	2.5	3
50	A primer on molecular biology for imagers. Academic Radiology, 2004, 11, 940-950.	2.5	2
51	A primer on molecular biology for imagers. Academic Radiology, 2004, 11, 77-84.	2.5	2
52	A primer on molecular biology for imagers. Academic Radiology, 2004, 11, 54-65.	2.5	0
53	A primer on molecular biology for imagers. Academic Radiology, 2004, 11, 42-53.	2.5	1
54	A primer on molecular biology for imagers. Academic Radiology, 2004, 11, 1274-1277.	2.5	3

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55	Molecular imaging of hepatocellular carcinoma. Gastroenterology, 2004, 127, S153-S158.	1.3	22
56	A primer on molecular biology for imagers. Academic Radiology, 2004, 11, 85-96.	2.5	2
57	A primer on molecular biology for imagers: VII. molecular imaging probes1. Academic Radiology, 2004, 11, 1047-1054.	2.5	12
58	A primer on molecular biology for imagers. Academic Radiology, 2004, 11, 333-344.	2.5	13
59	A primer on molecular biology for imagers. Academic Radiology, 2003, 10, 1215-1223.	2.5	13
60	Partially independent component analysis of tumor heterogeneities by DCE-MRI. , 2003, , .		1
61	Biomedical Imaging in the Postgenomic Era. Academic Radiology, 2002, 9, 999-1003.	2.5	8
62	Vascular-targeted molecular imaging using functionalized polymerized vesicles. Journal of Magnetic Resonance Imaging, 2002, 16, 388-393.	3.4	41
63	Combined vascular targeted imaging and therapy: A paradigm for personalized treatment. Journal of Cellular Biochemistry, 2002, 87, 65-71.	2.6	26
64	Beyond "Radiologic-Pathologic Correlation― Academic Radiology, 2001, 8, 375-376.	2.5	1
65	Validation of in Vivo MR Measurement of Oxygen Saturation after Resuscitation with a Hemoglobin-Based Oxygen Carrier in a Rabbit Model. Academic Radiology, 2001, 8, 583-590.	2.5	1
66	Power Doppler imaging and resistance index measurement in the evaluation of acute renal transplant rejection. Journal of Clinical Ultrasound, 2001, 29, 483-490.	0.8	27
67	The clinical value of ferric ammonium citrate: A positive oral contrast agent for T1-weighted MR imaging of the upper abdomen. Journal of Magnetic Resonance Imaging, 2000, 12, 702-707.	3.4	14
68	ICAM-1 expression in autoimmune encephalitis visualized using magnetic resonance imaging. Journal of Neuroimmunology, 2000, 104, 1-9.	2.3	144
69	In vivo monitoring of tumor angiogenesis with MR imaging. Academic Radiology, 2000, 7, 812-823.	2.5	117
70	Advances in imaging techniques for the diagnosis of focal hepatic lesions. Journal of Gastroenterology and Hepatology (Australia), 1999, 14, S22-S27.	2.8	1
71	New approaches to the investigation of focal hepatic lesions. Bailliere's Best Practice and Research in Clinical Gastroenterology, 1999, 13, 529-543.	2.4	5
72	Differentiation of hepatic malignancies from hemangiomas and cysts by T2 relaxation times: Early experience with multiply refocused four-echo imaging at 1.5 T. Journal of Magnetic Resonance Imaging, 1999, 9, 81-86.	3.4	17

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73	In vivo flow-independent T2 measurements of superior mesenteric vein blood in diagnosis of chronic mesenteric ischemia: A preliminary evaluation. Academic Radiology, 1999, 6, 530-534.	2.5	15
74	Detection of tumor angiogenesis in vivo by αvβ3-targeted magnetic resonance imaging. Nature Medicine, 1998, 4, 623-626.	30.7	876
75	Medical image compression and vector quantization. Statistical Science, 1998, 13, 30.	2.8	16
76	MESENTERIC OCCLUSIVE DISEASE. Magnetic Resonance Imaging Clinics of North America, 1998, 6, 331-350.	1.1	5
77	Magnetic Resonance Angiography of Mesenteric Arteries. Investigative Radiology, 1998, 33, 670-681.	6.2	22
78	In vivo magnetic resonance evaluation of blood oxygen saturation in the superior mesenteric vein as a measure of the degree of acute flow reduction in the superior mesenteric artery: Findings in a canine model. Academic Radiology, 1997, 4, 21-25.	2.5	21
79	MRI of pulmonary embolism using Gd-DTPA-polyethylene glycol polymer enhanced 3D fast gradient echo technique in a canine model. Magnetic Resonance Imaging, 1997, 15, 543-550.	1.8	17
80	MR angiography of abdominal ischemia. Seminars in Ultrasound, CT and MRI, 1996, 17, 352-359.	1.5	12
81	Magnetic resonance imaging detection of vascular occlusion of a pedicled muscle flap. , 1996, 17, 306-312.		4
82	Magnetic resonance imaging—derived parameter of portal flow predicts volume-mediated pulmonary hypertension in liver transplantation candidates. Surgery, 1995, 118, 685-692.	1.9	3
83	Magnetic resonance imaging and hepatic hemodynamics: Correlation with metabolic function in liver transplantation candidates. Surgery, 1995, 117, 373-379.	1.9	19
84	Experimental Hepatic Tumor Necrosis Comparison of Spin-Echo and Pulsed Magnetization Transfer Contrast Magnetic Resonance Imaging. Investigative Radiology, 1993, 28, 896-902.	6.2	9
85	In vivo MR evaluation of Gd-DTPA conjugated to dextran in normal rabbits. Magnetic Resonance Imaging, 1992, 10, 439-444.	1.8	22
86	Barium sulfate suspension as a negative oral MRI contrast agent: In vitro and human optimization studies. Magnetic Resonance Imaging, 1991, 9, 141-150.	1.8	38
87	Enteric MRI contrast agents: Comparative study of five potential agents in humans. Magnetic Resonance Imaging, 1991, 9, 559-568.	1.8	23
88	Paramagnetic oil emulsions as oral magnetic resonance imaging contrast agents. Magnetic Resonance Imaging, 1990, 8, 589-598.	1.8	21
89	Normal variations of pelvic fat distribution implications on CT staging of pelvic tumors. Clinical Imaging, 1990, 14, 319-322.	1.5	1
90	Hepatic focal nodular hyperplasia: New MR findings. Magnetic Resonance Imaging, 1989, 7, 687-688.	1.8	3

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91	Part II: Benign liver tumors. Current Problems in Diagnostic Radiology, 1989, 18, 125-155.		1.4	12
92	Computed simultaneous imaging of multiple biomarkers. , 0, , .			2