

Patrick M Winter

List of Publications by Year in descending order

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64
papers

5,680
citations

101543

36
h-index

189892

50
g-index

68
all docs

68
docs citations

68
times ranked

4180
citing authors

#	ARTICLE	IF	CITATIONS
1	Editorial for "Non-enhanced Chemical Exchange Saturation Transfer Cardiac Magnetic Resonance Imaging in Patients With Amyloid Light Chain Amyloidosis". Journal of Magnetic Resonance Imaging, 2022, 55, 577-578.	3.4	0
2	Initial investigation of a novel noninvasive weight loss therapy using MRI-Guided high intensity focused ultrasound (MR-HIFU) of visceral fat. Magnetic Resonance in Medicine, 2016, 76, 282-289.	3.0	6
3	Perfluorocarbon Nanoparticles. , 2016, , 3143-3156.		0
4	Imaging of brain tumors with paramagnetic vesicles targeted to phosphatidylserine. Journal of Magnetic Resonance Imaging, 2015, 41, 1079-1087.	3.4	16
5	Perfluorocarbon Nanoparticles: Evolution of a Multimodality and Multifunctional Imaging Agent. Scientifica, 2014, 2014, 1-10.	1.7	16
6	Molecular Imaging at Nanoscale with Magnetic Resonance Imaging. , 2014, , 75-102.		0
7	Molecular MR Imaging of Neovascular Progression in the Vx2 Tumor with ^{64}Cu -Targeted Paramagnetic Nanoparticles. Radiology, 2013, 268, 470-480.	7.3	37
8	An MRI system for imaging neonates in the NICU: initial feasibility study. Pediatric Radiology, 2012, 42, 1347-1356.	2.0	43
9	Magnetic resonance chemical exchange saturation transfer imaging and nanotechnology. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2012, 4, 389-398.	6.1	16
10	Quantification of water exchange kinetics for targeted PARACEST perfluorocarbon nanoparticles. NMR in Biomedicine, 2012, 25, 279-285.	2.8	12
11	Magnetic Resonance Molecular Imaging of Plaque Angiogenesis. Current Cardiovascular Imaging Reports, 2012, 5, 36-44.	0.6	0
12	Research Highlights. Nanomedicine, 2011, 6, 1305-1308.	3.3	0
13	Tuning of the drug delivery vehicle. Nanomedicine, 2011, 6, 1306.	3.3	0
14	Improving the homogeneity of DNA patterning on microarrays. Nanomedicine, 2011, 6, 1306-7.	3.3	0
15	Targeted nanoparticles for phototherapy. Nanomedicine, 2011, 6, 1307.	3.3	0
16	Advantages of a positive surface charge. Nanomedicine, 2011, 6, 1308.	3.3	0
17	Angiogenesis imaging with vascular-constrained particles: the why and how. European Journal of Nuclear Medicine and Molecular Imaging, 2010, 37, 114-126.	6.4	33
18	Theranostics for tumor and plaque angiogenesis with perfluorocarbon nanoemulsions. Angiogenesis, 2010, 13, 189-202.	7.2	95

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19	Assessment of tumor angiogenesis: dynamic contrast-enhanced MRI with paramagnetic nanoparticles compared with Gd-TPA in a rabbit Vx2 tumor model. <i>Contrast Media and Molecular Imaging</i> , 2010, 5, 155-161.	0.8	9
20	Molecular imaging of angiogenic therapy in peripheral vascular disease with I^{125} -integrin-targeted nanoparticles. <i>Magnetic Resonance in Medicine</i> , 2010, 64, 369-376.	3.0	55
21	Quantitative cardiovascular magnetic resonance for molecular imaging. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2010, 12, 62.	3.3	20
22	Nanomedicine strategies for molecular targets with MRI and optical imaging. <i>Future Medicinal Chemistry</i> , 2010, 2, 471-490.	2.3	88
23	MR Molecular Imaging of Aortic Angiogenesis. <i>JACC: Cardiovascular Imaging</i> , 2010, 3, 824-832.	5.3	26
24	Anti-angiogenic perfluorocarbon nanoparticles for diagnosis and treatment of atherosclerosis. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2009, 1, 311-323.	6.1	45
25	Gadolinium-modulated ^{19}F signals from perfluorocarbon nanoparticles as a new strategy for molecular imaging. <i>Magnetic Resonance in Medicine</i> , 2008, 60, 1066-1072.	3.0	86
26	Nanoparticle pharmacokinetic profiling in vivo using magnetic resonance imaging. <i>Magnetic Resonance in Medicine</i> , 2008, 60, 1353-1361.	3.0	55
27	Antiangiogenic Synergism of Integrin-Targeted Fumagillin Nanoparticles and Atorvastatin in Atherosclerosis. <i>JACC: Cardiovascular Imaging</i> , 2008, 1, 624-634.	5.3	142
28	Minute dosages of I^{125} -targeted fumagillin nanoparticles impair Vx2 tumor angiogenesis and development in rabbits. <i>FASEB Journal</i> , 2008, 22, 2758-2767.	0.5	102
29	Magnetic Resonance Molecular Imaging and Targeted Therapeutics. , 2008, , 649-672.		0
30	Molecular MR Imaging with Paramagnetic Perfluorocarbon Nanoparticles. , 2008, , 163-182.		0
31	Emerging nanomedicine opportunities with perfluorocarbon nanoparticles. <i>Expert Review of Medical Devices</i> , 2007, 4, 137-145.	2.8	67
32	Spectral properties of a bifunctional PARACEST europium chelate: an intermediate for targeted imaging applications. <i>Contrast Media and Molecular Imaging</i> , 2007, 2, 55-58.	0.8	25
33	Molecular imaging and therapy of atherosclerosis with targeted nanoparticles. <i>Journal of Magnetic Resonance Imaging</i> , 2007, 25, 667-680.	3.4	186
34	Targeted nanoparticle contrast agents for vascular molecular imaging and therapy. , 2007, , 289-302.		0
35	Clinical applications of perfluorocarbon nanoparticles for molecular imaging and targeted therapeutics. <i>International Journal of Nanomedicine</i> , 2007, 2, 515-26.	6.7	61
36	In Vitro Demonstration Using ^{19}F Magnetic Resonance to Augment Molecular Imaging With Paramagnetic Perfluorocarbon Nanoparticles at 1.5 Tesla. <i>Investigative Radiology</i> , 2006, 41, 305-312.	6.2	93

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37	Nanomedicine Opportunities in Cardiology. <i>Annals of the New York Academy of Sciences</i> , 2006, 1080, 451-465.	3.8	33
38	Nanomedicine opportunities for cardiovascular disease with perfluorocarbon nanoparticles. <i>Nanomedicine</i> , 2006, 1, 321-329.	3.3	61
39	Molecular imaging by MRI. <i>Current Cardiology Reports</i> , 2006, 8, 65-69.	2.9	38
40	Targeted PARACEST nanoparticle contrast agent for the detection of fibrin. <i>Magnetic Resonance in Medicine</i> , 2006, 56, 1384-1388.	3.0	97
41	Targeted Magnetic Resonance Imaging Contrast Agents. , 2006, 124, 387-400.		29
42	Endothelial $\alpha_5\beta_1$ Integrin-Targeted Fumagillin Nanoparticles Inhibit Angiogenesis in Atherosclerosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2006, 26, 2103-2109.	2.4	382
43	Applications of Nanotechnology to Atherosclerosis, Thrombosis, and Vascular Biology. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2006, 26, 435-441.	2.4	153
44	Improved paramagnetic chelate for molecular imaging with MRI. <i>Journal of Magnetism and Magnetic Materials</i> , 2005, 293, 540-545.	2.3	42
45	Nanotechnologies for Cellular and Molecular Imaging by MRI. , 2005, , 227-249.		5
46	Molecular MR imaging of melanoma angiogenesis with $\alpha_5\beta_1$ -targeted paramagnetic nanoparticles. <i>Magnetic Resonance in Medicine</i> , 2005, 53, 621-627.	3.0	266
47	Magnetic resonance nanoparticles for cardiovascular molecular imaging and therapy. <i>Expert Review of Cardiovascular Therapy</i> , 2005, 3, 705-715.	1.5	38
48	Molecular Imaging of Human Thrombus with Computed Tomography. <i>Academic Radiology</i> , 2005, 12, S9-S13.	2.5	58
49	$^1\text{H}/^{19}\text{F}$ Magnetic Resonance Molecular Imaging with Perfluorocarbon Nanoparticles. <i>Current Topics in Developmental Biology</i> , 2005, 70, 57-76.	2.2	62
50	Targeted nanoparticles for quantitative imaging of sparse molecular epitopes with MRI. <i>Magnetic Resonance in Medicine</i> , 2004, 51, 480-486.	3.0	252
51	Quantitative ^1H magnetic resonance immunohistochemistry with ligand-targeted ^{19}F nanoparticles. <i>Magnetic Resonance in Medicine</i> , 2004, 52, 1255-1262.	3.0	200
52	Magnetic resonance molecular imaging with nanoparticles. <i>Journal of Nuclear Cardiology</i> , 2004, 11, 733-743.	2.1	125
53	Novel Paramagnetic Contrast Agents for Molecular Imaging and Targeted Drug Delivery. <i>Current Pharmaceutical Biotechnology</i> , 2004, 5, 495-507.	1.6	48
54	Improved molecular imaging contrast agent for detection of human thrombus. <i>Magnetic Resonance in Medicine</i> , 2003, 50, 411-416.	3.0	195

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55	Molecular Imaging of Angiogenesis in Early-Stage Atherosclerosis With α _v β ₃ -Integrin-Targeted Nanoparticles. <i>Circulation</i> , 2003, 108, 2270-2274.	1.6	691
56	Molecular imaging of angiogenesis in nascent Vx-2 rabbit tumors using a novel α (nu) β 3-targeted nanoparticle and 1.5 tesla magnetic resonance imaging. <i>Cancer Research</i> , 2003, 63, 5838-43.	0.9	323
57	Targeted Antiproliferative Drug Delivery to Vascular Smooth Muscle Cells With a Magnetic Resonance Imaging Nanoparticle Contrast Agent. <i>Circulation</i> , 2002, 106, 2842-2847.	1.6	274
58	Molecular Imaging and Targeted Drug Delivery with a Novel, Ligand-Directed Paramagnetic Nanoparticle Technology. <i>Academic Radiology</i> , 2002, 9, S330-S331.	2.5	38
59	A Novel Europium(III)-Based MRI Contrast Agent. <i>Journal of the American Chemical Society</i> , 2001, 123, 1517-1518.	13.7	257
60	Triple-Quantum-Filtered ²³ Na NMR Spectroscopy of Subcutaneously Implanted 9L Gliosarcoma in the Rat in the Presence of TmDOTP5 ⁺ . <i>Journal of Magnetic Resonance</i> , 2001, 152, 70-78.	2.1	33
61	TmDOTP5- as a ²³ Na shift reagent for the subcutaneously implanted 9L gliosarcoma in rats. <i>Magnetic Resonance in Medicine</i> , 2001, 45, 436-442.	3.0	57
62	Novel MRI Contrast Agent for Molecular Imaging of Fibrin. <i>Circulation</i> , 2001, 104, 1280-1285.	1.6	540
63	Quantitation of intracellular [Na ⁺] in vivo by using TmDOTP ⁵⁺ as an NMR shift reagent and extracellular marker. <i>Journal of Applied Physiology</i> , 1998, 85, 1806-1812.	1.6	13
64	Diagnostic and Therapeutic Targeted Perfluorocarbon Nanoparticles. , 0, , 365-380.		0