

Frank S Prato

List of Publications by Year in descending order

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208
papers

6,929
citations

57758

44
h-index

85541

71
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213
all docs

213
docs citations

213
times ranked

5882
citing authors

#	ARTICLE	IF	CITATIONS
1	Simultaneous measurements of myocardial glucose metabolism and extracellular volumes with hybrid PET/MRI using concurrent injections of Gd-DTPA and [18F]FDG. <i>Journal of Nuclear Cardiology</i> , 2022, 29, 1304-1314.	2.1	5
2	Tracking the progress of inflammation with PET/MRI in a canine model of myocardial infarction. <i>Journal of Nuclear Cardiology</i> , 2022, 29, 1315-1325.	2.1	4
3	Concordance of regional hypoperfusion by pCASL MRI and 15O-water PET in frontotemporal dementia: Is pCASL an efficacious alternative?. <i>NeuroImage: Clinical</i> , 2022, 33, 102950.	2.7	6
4	Multimodality Imaging Assessment of the Heart Before and After Stage III Non-small Cell Lung Cancer Radiation Therapy. <i>Advances in Radiation Oncology</i> , 2022, 7, 100927.	1.2	0
5	Reproducibility and repeatability of assessment of myocardial light chain amyloidosis burden using 18F-florbetapir PET/CT. <i>Journal of Nuclear Cardiology</i> , 2021, 28, 2011-2013.	2.1	1
6	Improved PET/MRI accuracy by use of static transmission source in empirically derived hardware attenuation correction. <i>EJNMMI Physics</i> , 2021, 8, 24.	2.7	2
7	An evaluation of the diagnostic equivalence of 18F-FDG-PET between hybrid PET/MRI and PET/CT in drug-resistant epilepsy: A pilot study. <i>Epilepsy Research</i> , 2021, 172, 106583.	1.6	13
8	Intrafraction motion monitoring to determine PTV margins in early stage breast cancer patients receiving neoadjuvant partial breast SABR. <i>Radiotherapy and Oncology</i> , 2021, 158, 276-284.	0.6	3
9	Same day comparison of PET/CT and PET/MR in patients with cardiac sarcoidosis. <i>Journal of Nuclear Cardiology</i> , 2020, 27, 2118-2129.	2.1	31
10	Left atrial vortex size and velocity distributions by 4D flow MRI in patients with paroxysmal atrial fibrillation: Associations with age and CHA ₂ DS ₂ -VASc risk score. <i>Journal of Magnetic Resonance Imaging</i> , 2020, 51, 871-884.	3.4	35
11	DCE-MRI assessment of response to neoadjuvant SABR in early stage breast cancer: Comparisons of single versus three fraction schemes and two different imaging time delays post-SABR. <i>Clinical and Translational Radiation Oncology</i> , 2020, 21, 25-31.	1.7	12
12	Hybrid PET/MR imaging in myocardial inflammation post-myocardial infarction. <i>Journal of Nuclear Cardiology</i> , 2020, 27, 2083-2099.	2.1	16
13	The Use of Random Forests to Identify Brain Regions on Amyloid and FDG PET Associated With MoCA Score. <i>Clinical Nuclear Medicine</i> , 2020, 45, 427-433.	1.3	12
14	The Effect of Registration on Voxel-Wise Tofts Model Parameters and Uncertainties from DCE-MRI of Early-Stage Breast Cancer Patients Using 3DSlicer. <i>Journal of Digital Imaging</i> , 2020, 33, 1065-1072.	2.9	6
15	Heart Rate-Independent 3D Myocardial Blood Oxygen Level-Dependent MRI at 3.0 T with Simultaneous ¹³ N ¹⁵ Ammonia PET Validation. <i>Radiology</i> , 2020, 295, 82-93.	7.3	10
16	Hepcidin-mediated Iron Regulation in P19 Cells is Detectable by Magnetic Resonance Imaging. <i>Scientific Reports</i> , 2020, 10, 3163.	3.3	3
17	Evaluation of 511 keV photon attenuation by a novel 32-channel phased array prospectively designed for cardiovascular hybrid PET/MRI imaging. <i>European Journal of Hybrid Imaging</i> , 2020, 4, 7.	1.5	5
18	18F-FDG PET-guided diffusion tractography reveals white matter abnormalities around the epileptic focus in medically refractory epilepsy: implications for epilepsy surgical evaluation. <i>European Journal of Hybrid Imaging</i> , 2020, 4, 10.	1.5	8

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19	Optimizing Reporter Gene Expression for Molecular Magnetic Resonance Imaging. , 2020, , 201-214.		1
20	Non-Binary Approaches for Classification of Amyloid Brain PET. , 2019, , .		0
21	MagA expression attenuates iron export activity in undifferentiated multipotent P19 cells. PLoS ONE, 2019, 14, e0217842.	2.5	8
22	Accurate needle-free assessment of myocardial oxygenation for ischemic heart disease in canines using magnetic resonance imaging. Science Translational Medicine, 2019, 11, .	12.4	12
23	Screening for Dementia Caused by Modifiable Lifestyle Choices Using Hybrid PET/MRI. Journal of Alzheimer's Disease Reports, 2019, 3, 31-45.	2.2	6
24	Reducing the dose of gadolinium-based contrast agents for DCE-MRI guided SBRT: The effects on inter and intra observer variability for preoperative target volume delineation in early stage breast cancer patients. Radiotherapy and Oncology, 2019, 131, 60-65.	0.6	7
25	The Use of Random Forests to Classify Amyloid Brain PET. Clinical Nuclear Medicine, 2019, 44, 784-788.	1.3	15
26	[¹⁸ F]FDG cardiac PET imaging in a canine model of radiation-induced cardiovascular disease associated with breast cancer radiotherapy. American Journal of Physiology - Heart and Circulatory Physiology, 2019, 316, H586-H595.	3.2	12
27	Assessment of a novel 32-channel phased array for cardiovascular hybrid PET/MRI imaging: MRI performance. European Journal of Hybrid Imaging, 2019, 3, 13.	1.5	6
28	A Noninvasive Method for Quantifying Cerebral Blood Flow by Hybrid PET/MRI. Journal of Nuclear Medicine, 2018, 59, 1329-1334.	5.0	32
29	Using simultaneous PET/MRI to compare the accuracy of diagnosing frontotemporal dementia by arterial spin labelling MRI and FDG-PET. NeuroImage: Clinical, 2018, 17, 405-414.	2.7	44
30	Rotations of macromolecules affect nonspecific biological responses to magnetic fields. Scientific Reports, 2018, 8, 13495.	3.3	46
31	[¹⁸ F]-Fluorodeoxyglucose PET/CT imaging as a marker of carotid plaque inflammation: Comparison to immunohistology and relationship to acuity of events. International Journal of Cardiology, 2018, 271, 378-386.	1.7	41
32	Response to comments by Frank Barnes and Ben Greenebaum on "A physical mechanism of magnetoreception: Extension and analysis" Bioelectromagnetics, 2017, 38, 324-325.	1.6	2
33	Arterial CO ₂ as a Potent Coronary Vasodilator: A Preclinical PET/MR Validation Study with Implications for Cardiac Stress Testing. Journal of Nuclear Medicine, 2017, 58, 953-960.	5.0	14
34	Forming Magnetosome-Like Nanoparticles in Mammalian Cells for Molecular MRI. , 2017, , 187-203.		5
35	Technical Note: Comparison of megavoltage, dual-energy, and single-energy CT-based maps for a four-channel breast coil in PET/MRI. Medical Physics, 2017, 44, 4758-4765.	3.0	13
36	A physical mechanism of magnetoreception: Extension and analysis. Bioelectromagnetics, 2017, 38, 41-52.	1.6	40

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37	Biological effects of the hypomagnetic field: An analytical review of experiments and theories. PLoS ONE, 2017, 12, e0179340.	2.5	92
38	Persistent Microvascular Obstruction After Myocardial Infarction Culminates in the Confluence of Ferric Iron Oxide Crystals, Proinflammatory Burden, and Adverse Remodeling. Circulation: Cardiovascular Imaging, 2016, 9, .	2.6	44
39	Towards reliable myocardial blood-oxygen-level-dependent (BOLD) CMR using late effects of regadenoson with simultaneous ¹³ N-ammonia pet validation in a whole-body hybrid PET/MR system. Journal of Cardiovascular Magnetic Resonance, 2016, 18, O19.	3.3	1
40	Sci-Fri AM: MRI and Diagnostic Imaging - 03: The influence of sampling percentage in deformable registration on kinetic model analysis results in DCE-MRI of the breast. Medical Physics, 2016, 43, 4951-4951.	3.0	0
41	Non-thermal extremely low frequency magnetic field effects on opioid related behaviors: Snails to humans, mechanisms to therapy. Bioelectromagnetics, 2015, 36, 333-348.	1.6	13
42	Investigating the Relationship between Transverse Relaxation Rate (R2) and Interecho Time in MagA-Expressing, Iron-Labeled Cells. Molecular Imaging, 2015, 14, 7290.2015.00027.	1.4	1
43	Role of Hybrid Brain Imaging in Neuropsychiatric Disorders. Diagnostics, 2015, 5, 577-614.	2.6	11
44	The CNP signal is able to silence a supra threshold neuronal model. Frontiers in Computational Neuroscience, 2015, 9, 44.	2.1	5
45	Feasibility of simultaneous whole-brain imaging on an integrated PET-MRI system using an enhanced 2-point Dixon attenuation correction method. Frontiers in Neuroscience, 2015, 8, 434.	2.8	27
46	Can the Inflammatory Response Be Evaluated Using ¹⁸ F-FDG Within Zones of Microvascular Obstruction After Myocardial Infarction?. Journal of Nuclear Medicine, 2015, 56, 299-304.	5.0	22
47	Whole-heart, free-breathing, three-dimensional myocardial BOLD MRI at 3T with simultaneous ¹³ N-ammonia PET in canines. Journal of Cardiovascular Magnetic Resonance, 2015, 17, Q126.	3.3	0
48	Imaging of post-infarction myocardial inflammation with hybrid FDG PET/MR: feasibility and preliminary findings in a canine model. Journal of Cardiovascular Magnetic Resonance, 2015, 17, Q19.	3.3	3
49	The Interface Between Iron Metabolism and Gene-Based Iron Contrast for MRI. Magnetic Resonance Insights, 2015, 8, 9.	2.5	7
50	Simultaneous fMRI and EEG during the Multi-Source Interference Task. PLoS ONE, 2014, 9, e114599.	2.5	8
51	Biophysical features of MagA expression in mammalian cells: implications for MRI contrast. Frontiers in Microbiology, 2014, 5, 29.	3.5	23
52	Imaging Tumor Growth Non-invasively Using Expression of MagA or Modified Ferritin Subunits to Augment Intracellular Contrast for Repetitive MRI. Molecular Imaging and Biology, 2014, 16, 63-73.	2.6	23
53	Title: The integration of magnetic resonance imaging (MRI) and positron emission tomography (PET) will transform medical imaging. , 2014, , .		0
54	Sci-Thur AM: YIS - 08: Constructing an Attenuation map for a PET/MR Breast coil. Medical Physics, 2014, 41, 2-3.	3.0	0

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55	Description and assessment of a registration-based approach to include bones for attenuation correction of whole-body PET/MRI. <i>Medical Physics</i> , 2013, 40, 082509.	3.0	33
56	Effects of pulsed magnetic field on neurons: Cnp signal silences a feed-forward network model. , 2013, , ,		3
57	Magnetoreception in laboratory mice: sensitivity to extremely low-frequency fields exceeds 33 nT at 30 Hz. <i>Journal of the Royal Society Interface</i> , 2013, 10, 20121046.	3.4	23
58	Comparison of the myocardial clearance of endothelial progenitor cells injected early versus late into reperfused or sustained occlusion myocardial infarction. <i>International Journal of Cardiovascular Imaging</i> , 2013, 29, 497-504.	1.5	9
59	Stress Hypoperfusion and Tissue Injury in Hypertrophic Cardiomyopathy. <i>Circulation: Cardiovascular Imaging</i> , 2013, 6, 229-238.	2.6	26
60	Active Cardiac Sarcoidosis. <i>Circulation</i> , 2013, 127, e639-41.	1.6	84
61	Prediction of Arrhythmic Events in Ischemic and Dilated Cardiomyopathy Patients Referred for Implantable Cardiac Defibrillator. <i>Circulation: Cardiovascular Imaging</i> , 2012, 5, 448-456.	2.6	183
62	Variable Lung Density Consideration in Attenuation Correction of Whole-Body PET/MRI. <i>Journal of Nuclear Medicine</i> , 2012, 53, 977-984.	5.0	47
63	Using the magnetosome to model effective gene-based contrast for magnetic resonance imaging. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2012, 4, 378-388.	6.1	30
64	Measuring the neural response to continuous intramuscular infusion of hypertonic saline by perfusion MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2012, 35, 669-677.	3.4	17
65	Neurophysiological and behavioral effects of a 60ÂHz, 1,800Â¼T magnetic field in humans. <i>European Journal of Applied Physiology</i> , 2012, 112, 1751-1762.	2.5	20
66	Hybrid SPECT/cardiac gated first-pass perfusion CT: locating transplanted cells relative to infarcted myocardial targets. <i>Contrast Media and Molecular Imaging</i> , 2012, 7, 76-84.	0.8	8
67	Transbilayer phospholipids molecular imaging. <i>EJNMMI Research</i> , 2011, 1, 17.	2.5	13
68	Evolution of hybrid functional imaging in bioelectromagnetics research. <i>The Environmentalist</i> , 2011, 31, 134-139.	0.7	3
69	The response of the human circulatory system to an acute 200-¼T, 60-Hz magnetic field exposure. <i>International Archives of Occupational and Environmental Health</i> , 2011, 84, 267-277.	2.3	4
70	Effect of glutathione depletion, hyperthermia, and a 100â€mT static magnetic field on an hsp70/luc reporter system. <i>Bioelectromagnetics</i> , 2011, 32, 453-462.	1.6	5
71	The detection threshold for extremely low frequency magnetic fields may be below 1000â€%nTâ€Hz in mice. <i>Bioelectromagnetics</i> , 2011, 32, 561-569.	1.6	17
72	Human cognitive performance in a 3 mT power-line frequency magnetic field. <i>Bioelectromagnetics</i> , 2011, 32, 620-633.	1.6	14

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73	Pulsed magnetic field exposure induces lasting changes in neural network dynamics. <i>Neurocomputing</i> , 2011, 74, 2164-2175.	5.9	13
74	Hybrid brain imaging with MRI/PET. , 2011, , .		2
75	Comparison of ¹¹¹ In Leakage from Labeled Endocardial and Epicardial Cells: Impact on Modeling Viability of Cells to Be Transplanted into Myocardium. <i>International Journal of Molecular Imaging</i> , 2011, 2011, 1-8.	1.3	1
76	A comparison of MR-based attenuation correction in PET versus SPECT. <i>Physics in Medicine and Biology</i> , 2011, 56, 4613-4629.	3.0	12
77	Extremely low frequency pulsed electromagnetic field designed for antinociception does not affect microvascular responsiveness to the vasodilator acetylcholine. <i>Bioelectromagnetics</i> , 2010, 31, 64-76.	1.6	4
78	Localization of spherical lesions in tumor-mimicking phantoms by 3D sparse array photoacoustic imaging. <i>Medical Physics</i> , 2010, 37, 1619-1628.	3.0	13
79	The cardiovascular response to an acute 1800- $\frac{1}{4}$ T, 60-Hz magnetic field exposure in humans. <i>International Archives of Occupational and Environmental Health</i> , 2010, 83, 441-454.	2.3	11
80	Effects of acute hypoxia on postural and kinetic tremor. <i>European Journal of Applied Physiology</i> , 2010, 110, 109-119.	2.5	8
81	Using perfusion MRI to measure the dynamic changes in neural activation associated with tonic muscular pain. <i>Pain</i> , 2010, 148, 375-386.	4.2	69
82	Micronuclei in the blood and bone marrow cells of mice exposed to specific complex time-varying pulsed magnetic fields. <i>Bioelectromagnetics</i> , 2010, 31, 445-453.	1.6	8
83	Low-frequency pulsed electromagnetic field exposure can alter neuroprocessing in humans. <i>Journal of the Royal Society Interface</i> , 2010, 7, 467-473.	3.4	44
84	Comparison of Initial Cell Retention and Clearance Kinetics After Subendocardial or Subepicardial Injections of Endothelial Progenitor Cells in a Canine Myocardial Infarction Model. <i>Journal of Nuclear Medicine</i> , 2010, 51, 413-417.	5.0	35
85	3D versus 2D dynamic ⁸² Rb myocardial blood flow imaging in a canine model of stunned and infarcted myocardium. <i>Nuclear Medicine Communications</i> , 2010, 31, 75-81.	1.1	7
86	MRI Safety Not Scientifically Proven. <i>Science</i> , 2010, 328, 568-569.	12.6	3
87	Quantification of regional myocardial blood flow in a canine model of stunned and infarcted myocardium: comparison of rubidium-82 positron emission tomography with microspheres. <i>Nuclear Medicine Communications</i> , 2010, 31, 67-74.	1.1	11
88	Evidence for a dose-dependent effect of pulsed magnetic fields on pain processing. <i>Neuroscience Letters</i> , 2010, 482, 160-162.	2.1	19
89	Modulation of neuronal activity with extremely low-frequency magnetic fields: Insights from biophysical modeling. , 2010, , .		8
90	Assessment of genetic damage in peripheral blood of human volunteers exposed (whole-body) to a 200 $\frac{1}{4}$ T, 60 Hz magnetic field. <i>International Journal of Radiation Biology</i> , 2009, 85, 144-152.	1.8	11

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91	In Vivo SPECT Quantification of Transplanted Cell Survival After Engraftment Using ¹¹¹ In-Tropolone in Infarcted Canine Myocardium. <i>Journal of Nuclear Medicine</i> , 2009, 50, 927-935.	5.0	32
92	3D photoacoustic imaging of a moving target. <i>Proceedings of SPIE</i> , 2009, , .	0.8	1
93	Recent Advances in Research on Radiofrequency Fields and Health: 2004–2007. <i>Journal of Toxicology and Environmental Health - Part B: Critical Reviews</i> , 2009, 12, 250-288.	6.5	28
94	The effect of 100% mT SMF on activation of the hsp70 promoter in a heat shock/luciferase reporter system. <i>Journal of Cellular Biochemistry</i> , 2009, 108, 956-962.	2.6	3
95	Changes in human EEG alpha activity following exposure to two different pulsed magnetic field sequences. <i>Bioelectromagnetics</i> , 2009, 30, 9-20.	1.6	38
96	Real-time measurement of cytosolic free calcium concentration in DEM-treated HL60 cells during static magnetic field exposure and activation by ATP. <i>Bioelectromagnetics</i> , 2009, 30, 213-221.	1.6	13
97	Effect of 100 mT homogeneous static magnetic field on [Ca ²⁺] _c response to ATP in HL60 cells following GSH depletion. <i>Bioelectromagnetics</i> , 2009, 30, 322-329.	1.6	10
98	A literature review: the cardiovascular effects of exposure to extremely low frequency electromagnetic fields. <i>International Archives of Occupational and Environmental Health</i> , 2009, 82, 919-933.	2.3	44
99	Cell tracking and therapy evaluation of bone marrow monocytes and stromal cells using SPECT and CMR in a canine model of myocardial infarction. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2009, 11, 11.	3.3	31
100	Deep brain stimulation, vagal nerve stimulation and transcranial stimulation: An overview of stimulation parameters and neurotransmitter release. <i>Neuroscience and Biobehavioral Reviews</i> , 2009, 33, 1042-1060.	6.1	53
101	Light alters nociceptive effects of magnetic field shielding in mice: intensity and wavelength considerations. <i>Journal of the Royal Society Interface</i> , 2009, 6, 17-28.	3.4	24
102	Small field-of-view cardiac SPECT can be implemented on hybrid SPECT/CT platforms where data acquisition and reconstruction are guided by CT. <i>Nuclear Medicine Communications</i> , 2009, 30, 718-726.	1.1	2
103	Magnetic Resonance Imaging of Cells Overexpressing MagA, an Endogenous Contrast Agent for Live Cell Imaging. <i>Molecular Imaging</i> , 2009, 8, 7290.2009.00006.	1.4	51
104	Magnetic resonance imaging of cells overexpressing MagA, an endogenous contrast agent for live cell imaging. <i>Molecular Imaging</i> , 2009, 8, 129-39.	1.4	34
105	Real-time measurement of cytosolic free calcium concentration in HL60 cells during static magnetic field exposure and activation by ATP. <i>Bioelectromagnetics</i> , 2008, 29, 439-446.	1.6	20
106	Quantification of pain-induced changes in cerebral blood flow by perfusion MRI. <i>Pain</i> , 2008, 136, 85-96.	4.2	70
107	Four-dimensional photoacoustic imaging of moving targets. <i>Optics Express</i> , 2008, 16, 21570.	3.4	36
108	Imaging of Gene Expression in Live Pancreatic Islet Cell Lines Using Dual-Isotope SPECT. <i>Journal of Nuclear Medicine</i> , 2008, 49, 94-102.	5.0	26

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109	Three-dimensional photoacoustic imaging by sparse-array detection and iterative image reconstruction. <i>Journal of Biomedical Optics</i> , 2008, 13, 054052.	2.6	42
110	Recent Advances in Research on Radiofrequency Fields and Health: 2001–2003. <i>Journal of Toxicology and Environmental Health - Part B: Critical Reviews</i> , 2007, 10, 287-318.	6.5	38
111	A Randomized, Double-Blind, Placebo-Controlled Clinical Trial Using a Low-Frequency Magnetic Field in the Treatment of Musculoskeletal Chronic Pain. <i>Pain Research and Management</i> , 2007, 12, 249-258.	1.8	72
112	The influence of extremely low frequency magnetic fields on cytoprotection and repair. <i>Bioelectromagnetics</i> , 2007, 28, 16-30.	1.6	36
113	A literature review: The effects of magnetic field exposure on blood flow and blood vessels in the microvasculature. <i>Bioelectromagnetics</i> , 2007, 28, 81-98.	1.6	125
114	Exposure to a Specific Pulsed Low-Frequency Magnetic Field: A Double-Blind Placebo-Controlled Study of Effects on Pain Ratings in Rheumatoid Arthritis and Fibromyalgia Patients. <i>Pain Research and Management</i> , 2006, 11, 85-90.	1.8	64
115	A method for quantitative cell tracking using SPECT for the evaluation of myocardial stem cell therapy. <i>Nuclear Medicine Communications</i> , 2006, 27, 807-813.	1.1	24
116	Light alters nociceptive effects of magnetic field shielding. <i>Bioelectromagnetics</i> , 2006, 27, 10-15.	1.6	12
117	Exposure to ELF magnetic and ELF-modulated radiofrequency fields: The time course of physiological and cognitive effects observed in recent studies (2001–2005). <i>Bioelectromagnetics</i> , 2006, 27, 613-627.	1.6	74
118	Real-time measurement of cytosolic free calcium concentration in Jurkat cells during ELF magnetic field exposure and evaluation of the role of cell cycle. <i>Bioelectromagnetics</i> , 2006, 27, 354-364.	1.6	26
119	Feasibility of the single-bolus strategy for measuring the partition coefficient of Gd-DTPA in patients with myocardial infarction: Independence of image delay time and maturity of scar. <i>Magnetic Resonance in Medicine</i> , 2006, 55, 780-789.	3.0	18
120	Tracking transplanted cells using dual-radionuclide SPECT. <i>Physics in Medicine and Biology</i> , 2006, 51, 2619-2632.	3.0	21
121	Comparison of the Detection of Subtle Changes in Myocardial Regional Systolic Function Using Qualitative and Semi-Quantitative Techniques. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2006, 8, 731-739.	3.3	4
122	Extremely Low Frequency Magnetic Fields (ELFMF) and Pain Therapy. , 2005, , 155-187.		3
123	Daily repeated magnetic field shielding induces analgesia in CD-1 mice. <i>Bioelectromagnetics</i> , 2005, 26, 109-117.	1.6	69
124	Resting EEG effects during exposure to a pulsed ELF magnetic field. <i>Bioelectromagnetics</i> , 2005, 26, 367-376.	1.6	50
125	Determining the minimum number of detectable cardiac-transplanted ¹¹¹ In-tropolone-labelled bone-marrow-derived mesenchymal stem cells by SPECT. <i>Physics in Medicine and Biology</i> , 2005, 50, 4445-4455.	3.0	54
126	The Partition Coefficient of Gd-DTPA Reflects Maintained Tissue Viability in a Canine Model of Chronic Significant Coronary Stenosis. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2004, 6, 33-42.	3.3	15

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127	Analgesic and behavioral effects of a 100 μ T specific pulsed extremely low frequency magnetic field on control and morphine treated CF-1 mice. <i>Neuroscience Letters</i> , 2004, 354, 30-33.	2.1	53
128	Resting EEG is affected by exposure to a pulsed ELF magnetic field. <i>Bioelectromagnetics</i> , 2004, 25, 196-203.	1.6	74
129	Modeling T_1 exchange: An estimate of the error introduced in MRI by assuming the fast exchange limit in bolus tracking. <i>Magnetic Resonance in Medicine</i> , 2004, 51, 816-827.	3.0	14
130	Determining the extent to which delayed-enhancement images reflect the partition-coefficient of Gd-DTPA in canine studies of reperfused and unperfused myocardial infarction. <i>Magnetic Resonance in Medicine</i> , 2004, 52, 1069-1079.	3.0	26
131	Human exposure to a specific pulsed magnetic field: effects on thermal sensory and pain thresholds. <i>Neuroscience Letters</i> , 2004, 363, 157-162.	2.1	70
132	An investigation of the toxicity of gadolinium based MRI contrast agents using neutron activation analysis. <i>Magnetic Resonance Imaging</i> , 2003, 21, 541-544.	1.8	85
133	The Assessment of Myocardial Viability: A Review of Current Diagnostic Imaging Approaches. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2002, 4, 381-410.	3.3	30
134	Shielding, but not zeroing of the ambient magnetic field reduces stress-induced analgesia in mice. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2002, 269, 193-201.	2.6	61
135	Myocardial viability imaging using Gd-DTPA: Physiological modeling of infarcted myocardium, and impact on injection strategy and imaging time. <i>Magnetic Resonance in Medicine</i> , 2002, 48, 791-800.	3.0	34
136	Factors confounding cytosolic calcium measurements in Jurkat E6.1 cells during exposure to ELF magnetic fields. <i>Bioelectromagnetics</i> , 2002, 23, 315-328.	1.6	15
137	Human electrophysiological and cognitive effects of exposure to ELF magnetic and ELF modulated RF and microwave fields: A review of recent studies. <i>Bioelectromagnetics</i> , 2002, 23, 144-157.	1.6	111
138	Human subjects exposed to a specific pulsed (200 μ T) magnetic field: effects on normal standing balance. <i>Neuroscience Letters</i> , 2001, 297, 121-124.	2.1	41
139	A comparison of rheumatoid arthritis and fibromyalgia patients and healthy controls exposed to a pulsed (200 μ T) magnetic field: effects on normal standing balance. <i>Neuroscience Letters</i> , 2001, 309, 17-20.	2.1	44
140	Human standing balance is affected by exposure to pulsed ELF magnetic fields: light intensity-dependent effects. <i>NeuroReport</i> , 2001, 12, 1501-1506.	1.2	18
141	A detailed ethological analysis of the mouse open field test: effects of diazepam, chlordiazepoxide and an extremely low frequency pulsed magnetic field. <i>Neuroscience and Biobehavioral Reviews</i> , 2001, 25, 235-260.	6.1	581
142	Examining a canine model of stunned myocardium with Gd-DTPA-enhanced MRI. <i>Magnetic Resonance in Medicine</i> , 2001, 45, 864-871.	3.0	22
143	Gd-DTPA bolus tracking in the myocardium using T_1 fast acquisition relaxation mapping (T_1 FARM). <i>Magnetic Resonance in Medicine</i> , 2001, 46, 555-564.	3.0	27
144	Magnetic field exposure and behavioral monitoring system. <i>Bioelectromagnetics</i> , 2001, 22, 401-407.	1.6	9

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145	Modeling tissue contrast agent concentration: A solution to the tissue homogeneity model using a simulated arterial input function. <i>Magnetic Resonance in Medicine</i> , 2001, 45, 42-45.	3.0	17
146	The use of Gd-DTPA as a marker of myocardial viability in reperfused acute myocardial infarction. <i>International Journal of Cardiovascular Imaging</i> , 2001, 17, 395-404.	0.6	34
147	POTENTIAL HEALTH RISKS OF RADIOFREQUENCY FIELDS FROM WIRELESS TELECOMMUNICATION DEVICES. <i>Journal of Toxicology and Environmental Health - Part B: Critical Reviews</i> , 2001, 4, 1-143.	6.5	30
148	RECENT ADVANCES IN RESEARCH ON RADIOFREQUENCY FIELDS AND HEALTH. <i>Journal of Toxicology and Environmental Health - Part B: Critical Reviews</i> , 2001, 4, 145-159.	6.5	39
149	Extremely low frequency magnetic fields can either increase or decrease analgesia in the land snail depending on field and light conditions. <i>Bioelectromagnetics</i> , 2000, 21, 287-301.	1.6	76
150	Contrast-enhanced MRI for the assessment of myocardial viability after permanent coronary artery occlusion. <i>Magnetic Resonance in Medicine</i> , 2000, 44, 309-316.	3.0	37
151	T1 Fast Acquisition Relaxation Mapping (T1-FARM): Optimized Data Acquisition. <i>Magnetic Resonance Imaging</i> , 2000, 18, 129-138.	1.8	6
152	Clinical assessment of myocardial viability using MRI during a constant infusion of Gd-DTPA. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2000, 11, 104-113.	2.0	23
153	Sex differences in conditioned taste aversion and in the effects of exposure to a specific pulsed magnetic field in deer mice <i>Peromyscus maniculatus</i> . <i>Physiology and Behavior</i> , 2000, 71, 237-249.	2.1	24
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