

Thomas H Mareci

List of Publications by Year in descending order

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147
papers

4,980
citations

94269

37
h-index

106150

65
g-index

148
all docs

148
docs citations

148
times ranked

4685
citing authors

#	ARTICLE	IF	CITATIONS
1	Across-vendor standardization of semi-LASER for single-voxel MRS at 3T. <i>NMR in Biomedicine</i> , 2021, 34, e4218.	1.6	43
2	Restoration of breathing after opioid overdose and spinal cord injury using temporal interference stimulation. <i>Communications Biology</i> , 2021, 4, 107.	2.0	21
3	Deuterated water imaging of the rat brain following metabolism of [² H ₇]glucose. <i>Magnetic Resonance in Medicine</i> , 2021, 85, 3049-3059.	1.9	16
4	Evaluation of early microstructural changes in the R6/1 mouse model of Huntington's disease by ultra-high field diffusion MR imaging. <i>Neurobiology of Aging</i> , 2021, 102, 32-49.	1.5	15
5	Functional connectivity of key resting state networks and objectively measured physical activity in older adults with joint pain: A pilot study. <i>Experimental Gerontology</i> , 2021, 153, 111470.	1.2	2
6	Assessing neuraxial microstructural changes in a transgenic mouse model of early stage Amyotrophic Lateral Sclerosis by ultra-high field MRI and diffusion tensor metrics. <i>Animal Models and Experimental Medicine</i> , 2020, 3, 117-129.	1.3	4
7	An MRI-based switched gradient impulse response characterization method with uniform eigenmode excitation. <i>Journal of Magnetic Resonance</i> , 2020, 313, 106720.	1.2	0
8	MRI of Whole Rat Brain Perivascular Network Reveals Role for Ventricles in Brain Waste Clearance. <i>Scientific Reports</i> , 2019, 9, 11480.	1.6	21
9	Better Brain and Cognition Prior to Surgery Is Associated With Elevated Postoperative Brain Extracellular Free-Water in Older Adults. <i>Frontiers in Aging Neuroscience</i> , 2019, 11, 117.	1.7	8
10	Unveiling early cortical and subcortical neuronal degeneration in ALS mice by ultra-high field diffusion MRI. <i>Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration</i> , 2019, 20, 549-561.	1.1	25
11	Detection of axonal degeneration in a mouse model of Huntington's disease: comparison between diffusion tensor imaging and anomalous diffusion metrics. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2019, 32, 461-471.	1.1	28
12	Phase contrast MRI of creeping flows using stimulated echo. <i>Journal of Magnetic Resonance</i> , 2019, 299, 49-58.	1.2	12
13	Longitudinal evaluation of tumor microenvironment in rat focal brainstem glioma using diffusion and perfusion MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2019, 49, 1322-1332.	1.9	2
14	Low-Frequency Conductivity Tensor Imaging of the Human Head <i>&lt;i>In Vivo</i></i> Using DT-MREIT: First Study. <i>IEEE Transactions on Medical Imaging</i> , 2018, 37, 966-976.	5.4	43
15	Methods to Compare Predicted and Observed Phosphene Experience in tACS Subjects. <i>Neural Plasticity</i> , 2018, 2018, 1-10.	1.0	11
16	Temporal lobe epilepsy affects spatial organization of entorhinal cortex connectivity. <i>Epilepsy and Behavior</i> , 2018, 88, 87-95.	0.9	6
17	Cognition and connectomes in nondementia idiopathic Parkinson's disease. <i>Network Neuroscience</i> , 2018, 2, 106-124.	1.4	12
18	Editorial: Novel Tools for the Study of Structural and Functional Networks in the Brain. <i>Frontiers in Physics</i> , 2018, 6, .	1.0	0

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19	Ultra-High Field Diffusion MRI Reveals Early Axonal Pathology in Spinal Cord of ALS mice. <i>Translational Neurodegeneration</i> , 2018, 7, 20.	3.6	21
20	Neurite orientation dispersion and density imaging can detect presymptomatic axonal degeneration in the spinal cord of ALS mice. <i>Functional Neurology</i> , 2018, 33, 155-163.	1.3	18
21	Imaging of current flow in the human head during transcranial electrical therapy. <i>Brain Stimulation</i> , 2017, 10, 764-772.	0.7	42
22	Metal Transporter <i>Slc39a14</i> Deletion in Mice Increases Manganese Deposition and Produces Neurotoxic Signatures and Diminished Motor Activity. <i>Journal of Neuroscience</i> , 2017, 37, 5996-6006.	1.7	87
23	The hippocampus: detailed assessment of normative two-dimensional measurements, signal intensity, and subfield conspicuity on routine 3T T2-weighted sequences. <i>Surgical and Radiologic Anatomy</i> , 2017, 39, 1149-1159.	0.6	8
24	Comparisons between in-vivo current density images and computational models in human TACS recipients. <i>Brain Stimulation</i> , 2017, 10, e30-e31.	0.7	0
25	Small Worldness in Dense and Weighted Connectomes. <i>Frontiers in Physics</i> , 2016, 4, .	1.0	10
26	Toward 20Å magnetic resonance for human brain studies: opportunities for discovery and neuroscience rationale. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2016, 29, 617-639.	1.1	66
27	A fractal derivative model for the characterization of anomalous diffusion in magnetic resonance imaging. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2016, 39, 529-537.	1.7	93
28	Voxelized Model of Brain Infusion That Accounts for Small Feature Fissures: Comparison With Magnetic Resonance Tracer Studies. <i>Journal of Biomechanical Engineering</i> , 2016, 138, 051007.	0.6	15
29	A majority rule approach for region-of-interest-guided streamline fiber tractography. <i>Brain Imaging and Behavior</i> , 2016, 10, 1137-1147.	1.1	20
30	Test-retest reliability of high angular resolution diffusion imaging acquisition within medial temporal lobe connections assessed via tract based spatial statistics, probabilistic tractography and a novel graph theory metric. <i>Brain Imaging and Behavior</i> , 2016, 10, 533-547.	1.1	13
31	Gray and White Matter Contributions to Cognitive Frontostriatal Deficits in Non-Demented Parkinson's Disease. <i>PLoS ONE</i> , 2016, 11, e0147332.	1.1	31
32	Characterizing magnetic resonance signal decay due to gaussian diffusion: The path integral approach and a convenient computational method. <i>Concepts in Magnetic Resonance Part A: Bridging Education and Research</i> , 2015, 44, 203-213.	0.2	8
33	Temporal Lobe and Frontal-Subcortical Dissociations in Non-Demented Parkinson's Disease with Verbal Memory Impairment. <i>PLoS ONE</i> , 2015, 10, e0133792.	1.1	20
34	Broca's area "Thalamic connectivity. <i>Brain and Language</i> , 2015, 141, 80-88.	0.8	45
35	High-field magnetic resonance imaging of the human temporal lobe. <i>NeuroImage: Clinical</i> , 2015, 9, 58-68.	1.4	19
36	Dimensionless, Scale Invariant, Edge Weight Metric for the Study of Complex Structural Networks. <i>PLoS ONE</i> , 2015, 10, e0131493.	1.1	14

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37	Classification of Fractional Order Biomarkers for Anomalous Diffusion Using q-Space Entropy. <i>Critical Reviews in Biomedical Engineering</i> , 2014, 42, 63-83.	0.5	3
38	On random walks and entropy in diffusion-weighted magnetic resonance imaging studies of neural tissue. <i>Magnetic Resonance in Medicine</i> , 2014, 71, 617-627.	1.9	97
39	Fractional order measures of anomalous diffusion in healthy aging of neural tissue. , 2014, , .		0
40	Absolute magnetic susceptibility of rat brain tissue. <i>Magnetic Resonance in Medicine</i> , 2014, 72, 876-879.	1.9	5
41	On random walks and entropy in diffusion-weighted magnetic resonance imaging studies of neural tissue. <i>Magnetic Resonance in Medicine</i> , 2014, 71, spcone-spcone.	1.9	1
42	Generalized Framework to Study Brain Weighted Networks. <i>Biophysical Journal</i> , 2013, 104, 164a.	0.2	0
43	MR measurement of alloy magnetic susceptibility: Towards developing tissue-susceptibility matched metals. <i>Journal of Magnetic Resonance</i> , 2013, 233, 49-55.	1.2	10
44	Characterization of anomalous diffusion in porous biological tissues using fractional order derivatives and entropy. <i>Microporous and Mesoporous Materials</i> , 2013, 178, 39-43.	2.2	136
45	Phase shift in the 24-hour rhythm of hippocampal EEG spiking activity in a rat model of temporal lobe epilepsy. <i>Journal of Neurophysiology</i> , 2013, 110, 1070-1086.	0.9	11
46	Segmentation of Rat Brain MR Images Using Artificial Neural Network Classifier. , 2013, , .		0
47	Broca's area and its striatal and thalamic connections: a diffusion-MRI tractography study. <i>Frontiers in Neuroanatomy</i> , 2013, 7, 8.	0.9	88
48	Imaging White Matter in Human Brainstem. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 400.	1.0	36
49	Influence of Neuropathology on Convection-Enhanced Delivery in the Rat Hippocampus. <i>PLoS ONE</i> , 2013, 8, e80606.	1.1	3
50	Voxelized Computational Model for Convection-Enhanced Delivery in the Rat Ventral Hippocampus: Comparison with In Vivo MR Experimental Studies. <i>Annals of Biomedical Engineering</i> , 2012, 40, 2043-2058.	1.3	26
51	Magnetic resonance imaging and volumetric analysis: Novel tools to study the effects of thyroid hormone disruption on white matter development. <i>NeuroToxicology</i> , 2012, 33, 1322-1329.	1.4	21
52	Role of convection and diffusion on DCE-MRI parameters in low leakiness KHT sarcomas. <i>Microvascular Research</i> , 2012, 84, 306-313.	1.1	16
53	Dynamic contrast-enhanced MRI of Gd-albumin delivery to the rat hippocampus in vivo by convection-enhanced delivery. <i>Journal of Neuroscience Methods</i> , 2012, 209, 62-73.	1.3	13
54	Nuclear magnetic resonance energy harvesting for ultra-low power biomedical implants. , 2011, , .		2

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55	Sensitivity Analysis of an Image-Based Solid Tumor Computational Model with Heterogeneous Vasculature and Porosity. <i>Annals of Biomedical Engineering</i> , 2011, 39, 2360-2373.	1.3	84
56	In Vivo Contrast-Enhanced MR Imaging of Direct Infusion into Rat Peripheral Nerves. <i>Annals of Biomedical Engineering</i> , 2011, 39, 2823-2834.	1.3	10
57	Phase shift in hippocampal circadian rhythm during the latent period of epileptic rats. <i>BMC Neuroscience</i> , 2011, 12, .	0.8	1
58	Voxelized 3D Computational Transport Model of Infusions Into the Ventral Hippocampus: Comparison With Experimental Studies. , 2011, , .		0
59	A voxelized model of direct infusion into the corpus callosum and hippocampus of the rat brain: model development and parameter analysis. <i>Medical and Biological Engineering and Computing</i> , 2010, 48, 203-214.	1.6	20
60	Development of an inductively coupled MR coil system for imaging and spectroscopic analysis of an implantable bioartificial construct at 11.1 T. <i>Magnetic Resonance in Medicine</i> , 2010, 63, 998-1006.	1.9	12
61	Regional convection-enhanced delivery of gadolinium-labeled albumin in the rat hippocampus in vivo. <i>Journal of Neuroscience Methods</i> , 2010, 187, 129-137.	1.3	23
62	Granger causality relationships between local field potentials in an animal model of temporal lobe epilepsy. <i>Journal of Neuroscience Methods</i> , 2010, 189, 121-129.	1.3	42
63	Early MR diffusion and relaxation changes in the parahippocampal gyrus precede the onset of spontaneous seizures in an animal model of chronic limbic epilepsy. <i>Experimental Neurology</i> , 2010, 224, 258-270.	2.0	52
64	A Computational Model of Interstitial Transport in Murine Sarcoma With Heterogeneous Vasculature: A Sensitivity Analysis. , 2009, , .		0
65	A Physical basis for multi-fiber reconstruction from DW-MRI data. , 2009, , .		0
66	Voxelized Model of Interstitial Transport in the Rat Spinal Cord Following Direct Infusion Into White Matter. <i>Journal of Biomechanical Engineering</i> , 2009, 131, 071007.	0.6	17
67	In Vivo MRI of Macromolecular Transport Into the Rat Spinal Cord via Peripheral Nerve Infusion. , 2009, , .		0
68	Temporal Lobe Epilepsy: Anatomical and Effective Connectivity. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2009, 17, 214-223.	2.7	24
69	Characterization of an anisotropic hydrogel tissue substrate for infusion testing. <i>Journal of Applied Polymer Science</i> , 2009, 114, 1992-2002.	1.3	16
70	Circadian control of neural excitability in an animal model of temporal lobe epilepsy. <i>Neuroscience Letters</i> , 2009, 455, 145-149.	1.0	32
71	Postmortem interval alters the water relaxation and diffusion properties of rat nervous tissue "â€” Implications for MRI studies of human autopsy samples. <i>NeuroImage</i> , 2009, 44, 820-826.	2.1	104
72	Multi-fiber Reconstruction from DW-MRI Using a Continuous Mixture of Hyperspherical von Mises-Fisher Distributions. <i>Lecture Notes in Computer Science</i> , 2009, 21, 139-150.	1.0	9

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73	Non-rigid Registration of High Angular Resolution Diffusion Images Represented by Gaussian Mixture Fields. Lecture Notes in Computer Science, 2009, 5761, 190-197.	1.0	18
74	Variational denoising of diffusion weighted MRI. Inverse Problems and Imaging, 2009, 3, 625-648.	0.6	21
75	A Computational Model of Direct Infusion Into the Rat Brain: Corpus Callosum and Hippocampus. , 2009, , .		0
76	Quantitative assessment of macromolecular concentration during direct infusion into an agarose hydrogel phantom using contrast-enhanced MRI. Magnetic Resonance Imaging, 2008, 26, 1433-1441.	1.0	43
77	Multi-fiber reconstruction from DW-MRI using a continuous mixture of von Mises-Fisher distributions. , 2008, , .		15
78	In Vivo Contrast-Enhanced MR Imaging for Direct Infusion Into Rat Peripheral Nerve. , 2008, , .		1
79	High Resolution DCE-MRI Vascular Characterization of Murine Sarcoma and Human Renal Cell Carcinoma for Computational Modeling. , 2008, , .		0
80	A CONTINUOUS MIXTURE OF TENSORS MODEL FOR DIFFUSION-WEIGHTED MR SIGNAL RECONSTRUCTION. , 2007, 4, 772-775.		2
81	Determination of Macromolecular Concentration Following Direct Infusion into Hydrogel using Contrast-Enhanced MRI. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 2887-90.	0.5	0
82	Voxelized Model of Interstitial Transport in Nervous Tissue Following Direct Infusion into White Matter. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 2114-7.	0.5	0
83	A novel tensor distribution model for the diffusion-weighted MR signal. NeuroImage, 2007, 37, 164-176.	2.1	204
84	Diffusion Basis Functions Decomposition for Estimating White Matter Intravoxel Fiber Geometry. IEEE Transactions on Medical Imaging, 2007, 26, 1091-1102.	5.4	101
85	Computational Model of Interstitial Transport in the Rat Brain Using Diffusion Tensor Imaging. , 2007, , .		0
86	An orthotopic xenograft model of intraneural NF1 MPNST suggests a potential association between steroid hormones and tumor cell proliferation. Laboratory Investigation, 2007, 87, 1092-1102.	1.7	33
87	Resolution of complex tissue microarchitecture using the diffusion orientation transform (DOT). NeuroImage, 2006, 31, 1086-1103.	2.1	346
88	Structural insights from high-resolution diffusion tensor imaging and tractography of the isolated rat hippocampus. NeuroImage, 2006, 32, 1499-1509.	2.1	69
89	Higher Rank Tensors in Diffusion MRI. Mathematics and Visualization, 2006, , 177-187.	0.4	2
90	Evolving into epilepsy: Multiscale electrophysiological analysis and imaging in an animal model. Experimental Neurology, 2006, 198, 31-47.	2.0	27

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91	Computational Model of Interstitial Transport in the Spinal Cord using Diffusion Tensor Imaging. <i>Annals of Biomedical Engineering</i> , 2006, 34, 1304-1321.	1.3	65
92	Von Mises-Fisher Mixture Model of the Diffusion ODF. , 2006, 2006, 65-68.		34
93	Segmentation of High Angular Resolution Diffusion MRI Modeled as a Field of von Mises-Fisher Mixtures. <i>Lecture Notes in Computer Science</i> , 2006, , 463-475.	1.0	21
94	Generalized scalar measures for diffusion MRI using trace, variance, and entropy. <i>Magnetic Resonance in Medicine</i> , 2005, 53, 866-876.	1.9	138
95	Fast Orientation Mapping from HARDI. <i>Lecture Notes in Computer Science</i> , 2005, 8, 156-163.	1.0	7
96	Evaluation of the pathologic characteristics of excitotoxic spinal cord injury with MR imaging. <i>American Journal of Neuroradiology</i> , 2005, 26, 1612-22.	1.2	18
97	Patterns of Gene Expression Reveal a Temporally Orchestrated Wound Healing Response in the Injured Spinal Cord. <i>Journal of Neuroscience</i> , 2004, 24, 8562-8576.	1.7	95
98	DT-MRI denoising and neuronal fiber tracking. <i>Medical Image Analysis</i> , 2004, 8, 95-111.	7.0	77
99	A Constrained Variational Principle for Direct Estimation and Smoothing of the Diffusion Tensor Field From Complex DWI. <i>IEEE Transactions on Medical Imaging</i> , 2004, 23, 930-939.	5.4	157
100	Anatomical Connectivity in the Central Nervous System Revealed by Diffusion Tensor Magnetic Resonance Imaging (DT-MRI). <i>Biocomputing</i> , 2004, , 145-169.	0.2	0
101	Generalized diffusion tensor imaging and analytical relationships between diffusion tensor imaging and high angular resolution diffusion imaging. <i>Magnetic Resonance in Medicine</i> , 2003, 50, 955-965.	1.9	367
102	A Constrained Variational Principle for Direct Estimation and Smoothing of the Diffusion Tensor Field from DWI. <i>Lecture Notes in Computer Science</i> , 2003, 18, 660-671.	1.0	30
103	Progress in high field MRI at the University of Florida. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2002, 13, 152-157.	1.1	24
104	Line Integral Convolution for Visualization of Fiber Tract Maps from DTI. <i>Lecture Notes in Computer Science</i> , 2002, , 615-622.	1.0	9
105	Visualization of neural tissue water compartments using biexponential diffusion tensor MRI. <i>Magnetic Resonance in Medicine</i> , 2001, 45, 580-587.	1.9	118
106	In vivo 1H magnetic resonance imaging and spectroscopy of the rat spinal cord using an inductively-coupled chronically implanted RF coil. <i>Magnetic Resonance in Medicine</i> , 2001, 46, 1216-1222.	1.9	43
107	NMR spectroscopy of single neurons. <i>Magnetic Resonance in Medicine</i> , 2000, 44, 19-22.	1.9	91
108	In vivo dynamics and distribution of intracerebroventricularly administered gadodiamide, visualized by magnetic resonance imaging. <i>Neuroscience</i> , 1999, 90, 1115-1122.	1.1	13

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109	Diffusion anisotropy in excised normal rat spinal cord measured by NMR microscopy. <i>Magnetic Resonance Imaging</i> , 1997, 15, 441-450.	1.0	82
110	Magnetic field gradient system for nuclear magnetic resonance microimaging. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 1996, 4, 85-91.	1.1	4
111	A Field-Gradient Coil Using Concentric Return Paths. <i>Journal of Magnetic Resonance Series B</i> , 1996, 112, 124-130.	1.6	12
112	Dynamic Assessment of Intraspinial Neural Graft Survival Using Magnetic Resonance Imaging. <i>Experimental Neurology</i> , 1995, 136, 64-72.	2.0	13
113	Relative Efficiencies of Weighting Methods for Phase-Encoded Localized NMR. <i>Journal of Magnetic Resonance Series B</i> , 1994, 103, 274-277.	1.6	6
114	A comparison of an inductively coupled implanted coil with optimized surface coils for in vivo NMR imaging of the spinal cord. <i>Magnetic Resonance in Medicine</i> , 1993, 30, 626-633.	1.9	50
115	In vivo magnetic resonance imaging of fetal cat neural tissue transplants in the adult cat spinal cord. <i>Journal of Neurosurgery</i> , 1992, 76, 261-274.	0.9	37
116	Delayed grafting of fetal CNS tissue into chronic compression lesions of the adult cat spinal cord. <i>Restorative Neurology and Neuroscience</i> , 1991, 2, 309-325.	0.4	19
117	Volume-localized spectroscopy using selective fourier transform with windowing by variable-tip-angle excitation. <i>Journal of Magnetic Resonance</i> , 1991, 94, 174-179.	0.5	7
118	Essential considerations for spectral localization using indirect gradient encoding of spatial information. <i>Journal of Magnetic Resonance</i> , 1991, 92, 229-246.	0.5	48
119	Suppression of artifacts in multiple-echo magnetic resonance. <i>Journal of Magnetic Resonance</i> , 1989, 83, 11-28.	0.5	5
120	A digital phase shifter with 7.5° resolution. <i>Journal of Magnetic Resonance</i> , 1989, 84, 275-281.	0.5	2
121	Application of Magnetic Resonance Imaging to Visualization of Flow in Porous Media. <i>Nuclear Technology</i> , 1989, 84, 113-118.	0.7	23
122	Convolution spectral imaging. <i>Journal of Magnetic Resonance</i> , 1988, 79, 236-254.	0.5	1
123	NMR imaging and relaxation study of polymer swelling and chain dynamics. <i>Journal of Molecular Liquids</i> , 1988, 38, 185-206.	2.3	24
124	Experimental study of optimal selective 180° radiofrequency pulses. <i>Journal of Magnetic Resonance</i> , 1988, 79, 1-10.	0.5	55
125	Selective fourier transform localization. <i>Magnetic Resonance in Medicine</i> , 1987, 5, 417-433.	1.9	79
126	Selective inversion radiofrequency pulses by optimal control. <i>Journal of Magnetic Resonance</i> , 1986, 70, 310-318.	0.5	42

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127	Tip-angle-reduced T1 imaging. <i>Journal of Magnetic Resonance</i> , 1986, 67, 55-65.	0.5	7
128	Exploiting the stimulated echo in nuclear magnetic resonance imaging. II. Applications. <i>Journal of Magnetic Resonance</i> , 1985, 65, 298-307.	0.5	6
129	Exploiting the stimulated echo in nuclear magnetic resonance imaging. I. Method. <i>Journal of Magnetic Resonance</i> , 1985, 64, 177-182.	0.5	8
130	High-resolution magnetic resonance spectra from a sensitive region defined with pulsed field gradients. <i>Journal of Magnetic Resonance</i> , 1984, 57, 157-163.	0.5	40
131	Practical aspects of carbon-13 double quantum NMR. <i>Journal of Magnetic Resonance</i> , 1983, 53, 360-363.	0.5	18
132	Mapping proton-proton coupling via double-quantum coherence. <i>Journal of Magnetic Resonance</i> , 1983, 51, 531-535.	0.5	81
133	Observation of ^{13}C - ^{13}C couplings with enhanced sensitivity. <i>Journal of Magnetic Resonance</i> , 1982, 46, 180-184.	0.5	64
134	Echoes and antiechoes in coherence transfer NMR: Determining the signs of double-quantum frequencies. <i>Journal of Magnetic Resonance</i> , 1982, 48, 158-163.	0.5	134
135	Weak satellite signals in high-resolution NMR spectra: Separating the wheat from the chaff. <i>Journal of Magnetic Resonance</i> , 1981, 42, 341-345.	0.5	69
136	Nitrogen-15 satellites in proton NMR spectra observed by two-dimensional fourier transformation. <i>Journal of Magnetic Resonance</i> , 1981, 44, 572-576.	0.5	2
137	^{13}C and ^1H nuclear magnetic resonance spectroscopy of C-19 and 6β -methyl substituted steroids: long-range shift effects in conformational analysis. <i>Canadian Journal of Chemistry</i> , 1979, 57, 27-37.	0.6	10
138	Quantitative analysis of mixtures by carbon-13 nuclear magnetic resonance spectrometry. <i>Analytical Chemistry</i> , 1977, 49, 2130-2136.	3.2	46
139	Chemical and radiochemical stability of the adrenal-scanning agents, 66-iodomethyl-19-norcholest-5(10)-en- 3β -ol and 19-iodocholest-5-en- 3β -ol. <i>Steroids</i> , 1977, 30, 511-519.	0.8	5
140	Synthesis and purification of radioactive 6β -iodomethyl-19-norcholest-5(10)-EN- 3β -ol. <i>Steroids</i> , 1976, 28, 295-303.	0.8	10
141	Fiber tract mapping from diffusion tensor MRI. , 0, , .		51
142	Automatic fiber tractography from DTI and its validation. , 0, , .		5
143	Simultaneous smoothing and estimation of the tensor field from diffusion tensor MRI. , 0, , .		8
144	Fiber orientation mapping using generalized diffusion tensor imaging. , 0, , .		5

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145	Statistical analysis of a nonlinear estimator for ADC and its application to optimizing diffusion weighting factors. , 0, , .		0
146	A Nonparametric Reconstruction and its Matrix Implementation for the Diffusion Orientation Transform (DOT). , 0, , .		0
147	Effective and Anatomical Connectivity in a Rat Model of Spontaneous Limbic Seizure. , 0, , 45-59.		0