

# 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	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
2	Resolution of complex tissue microarchitecture using the diffusion orientation transform (DOT). <i>NeuroImage</i> , 2006, 31, 1086-1103.	2.1	346
3	A novel tensor distribution model for the diffusion-weighted MR signal. <i>NeuroImage</i> , 2007, 37, 164-176.	2.1	204
4	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
5	Generalized scalar measures for diffusion MRI using trace, variance, and entropy. <i>Magnetic Resonance in Medicine</i> , 2005, 53, 866-876.	1.9	138
6	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
7	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
8	Visualization of neural tissue water compartments using biexponential diffusion tensor MRI. <i>Magnetic Resonance in Medicine</i> , 2001, 45, 580-587.	1.9	118
9	Postmortem interval alters the water relaxation and diffusion properties of rat nervous tissue " Implications for MRI studies of human autopsy samples. <i>NeuroImage</i> , 2009, 44, 820-826.	2.1	104
10	Diffusion Basis Functions Decomposition for Estimating White Matter Intravoxel Fiber Geometry. <i>IEEE Transactions on Medical Imaging</i> , 2007, 26, 1091-1102.	5.4	101
11	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
12	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
13	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
14	NMR spectroscopy of single neurons. <i>Magnetic Resonance in Medicine</i> , 2000, 44, 19-22.	1.9	91
15	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
16	Metal Transporter <i>Zip14</i> ( <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
17	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
18	Diffusion anisotropy in excised normal rat spinal cord measured by NMR microscopy. <i>Magnetic Resonance Imaging</i> , 1997, 15, 441-450.	1.0	82

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19	Mapping proton-proton coupling via double-quantum coherence. <i>Journal of Magnetic Resonance</i> , 1983, 51, 531-535.	0.5	81
20	Selective fourier transform localization. <i>Magnetic Resonance in Medicine</i> , 1987, 5, 417-433.	1.9	79
21	DT-MRI denoising and neuronal fiber tracking. <i>Medical Image Analysis</i> , 2004, 8, 95-111.	7.0	77
22	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
23	Structural insights from high-resolution diffusion tensor imaging and tractography of the isolated rat hippocampus. <i>NeuroImage</i> , 2006, 32, 1499-1509.	2.1	69
24	Toward 20Â 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
25	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
26	Observation of $^{13}\text{C}$ — $^{13}\text{C}$ couplings with enhanced sensitivity. <i>Journal of Magnetic Resonance</i> , 1982, 46, 180-184.	0.5	64
27	Experimental study of optimal selective $180^\circ$ radiofrequency pulses. <i>Journal of Magnetic Resonance</i> , 1988, 79, 1-10.	0.5	55
28	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
29	Fiber tract mapping from diffusion tensor MRI. , 0, , .		51
30	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
31	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
32	Quantitative analysis of mixtures by carbon-13 nuclear magnetic resonance spectrometry. <i>Analytical Chemistry</i> , 1977, 49, 2130-2136.	3.2	46
33	Broca's area "Thalamic connectivity. <i>Brain and Language</i> , 2015, 141, 80-88.	0.8	45
34	In vivo $^1\text{H}$ 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
35	Quantitative assessment of macromolecular concentration during direct infusion into an agarose hydrogel phantom using contrast-enhanced MRI. <i>Magnetic Resonance Imaging</i> , 2008, 26, 1433-1441.	1.0	43
36	Low-Frequency Conductivity Tensor Imaging of the Human Head & In Vivo & Using DT-MREIT: First Study. <i>IEEE Transactions on Medical Imaging</i> , 2018, 37, 966-976.	5.4	43

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37	Across-vendor standardization of semi-LASER for single-voxel MRS at 3T. <i>NMR in Biomedicine</i> , 2021, 34, e4218.	1.6	43
38	Selective inversion radiofrequency pulses by optimal control. <i>Journal of Magnetic Resonance</i> , 1986, 70, 310-318.	0.5	42
39	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
40	Imaging of current flow in the human head during transcranial electrical therapy. <i>Brain Stimulation</i> , 2017, 10, 764-772.	0.7	42
41	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
42	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
43	Imaging White Matter in Human Brainstem. <i>Frontiers in Human Neuroscience</i> , 2013, 7, 400.	1.0	36
44	Von Mises-Fisher Mixture Model of the Diffusion ODF. , 2006, 2006, 65-68.		34
45	An orthotopic xenograft model of intraneural NF1 MPNST suggests a potential association between steroid hormones and tumor cell proliferation. <i>Laboratory Investigation</i> , 2007, 87, 1092-1102.	1.7	33
46	Circadian control of neural excitability in an animal model of temporal lobe epilepsy. <i>Neuroscience Letters</i> , 2009, 455, 145-149.	1.0	32
47	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
48	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
49	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
50	Evolving into epilepsy: Multiscale electrophysiological analysis and imaging in an animal model. <i>Experimental Neurology</i> , 2006, 198, 31-47.	2.0	27
51	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
52	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
53	NMR imaging and relaxation study of polymer swelling and chain dynamics. <i>Journal of Molecular Liquids</i> , 1988, 38, 185-206.	2.3	24
54	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

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55	Temporal Lobe Epilepsy: Anatomical and Effective Connectivity. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2009, 17, 214-223.	2.7	24
56	Application of Magnetic Resonance Imaging to Visualization of Flow in Porous Media. Nuclear Technology, 1989, 84, 113-118.	0.7	23
57	Regional convection-enhanced delivery of gadolinium-labeled albumin in the rat hippocampus in vivo. Journal of Neuroscience Methods, 2010, 187, 129-137.	1.3	23
58	Magnetic resonance imaging and volumetric analysis: Novel tools to study the effects of thyroid hormone disruption on white matter development. NeuroToxicology, 2012, 33, 1322-1329.	1.4	21
59	Ultra-High Field Diffusion MRI Reveals Early Axonal Pathology in Spinal Cord of ALS mice. Translational Neurodegeneration, 2018, 7, 20.	3.6	21
60	MRI of Whole Rat Brain Perivascular Network Reveals Role for Ventricles in Brain Waste Clearance. Scientific Reports, 2019, 9, 11480.	1.6	21
61	Restoration of breathing after opioid overdose and spinal cord injury using temporal interference stimulation. Communications Biology, 2021, 4, 107.	2.0	21
62	Segmentation of High Angular Resolution Diffusion MRI Modeled as a Field of von Mises-Fisher Mixtures. Lecture Notes in Computer Science, 2006, , 463-475.	1.0	21
63	Variational denoising of diffusion weighted MRI. Inverse Problems and Imaging, 2009, 3, 625-648.	0.6	21
64	A voxelized model of direct infusion into the corpus callosum and hippocampus of the rat brain: model development and parameter analysis. Medical and Biological Engineering and Computing, 2010, 48, 203-214.	1.6	20
65	Temporal Lobe and Frontal-Subcortical Dissociations in Non-Demented Parkinson's Disease with Verbal Memory Impairment. PLoS ONE, 2015, 10, e0133792.	1.1	20
66	A majority rule approach for region-of-interest-guided streamline fiber tractography. Brain Imaging and Behavior, 2016, 10, 1137-1147.	1.1	20
67	Delayed grafting of fetal CNS tissue into chronic compression lesions of the adult cat spinal cord. Restorative Neurology and Neuroscience, 1991, 2, 309-325.	0.4	19
68	High-field magnetic resonance imaging of the human temporal lobe. NeuroImage: Clinical, 2015, 9, 58-68.	1.4	19
69	Practical aspects of carbon-13 double quantum NMR. Journal of Magnetic Resonance, 1983, 53, 360-363.	0.5	18
70	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
71	Neurite orientation dispersion and density imaging can detect presymptomatic axonal degeneration in the spinal cord of ALS mice. Functional Neurology, 2018, 33, 155-163.	1.3	18
72	Evaluation of the pathologic characteristics of excitotoxic spinal cord injury with MR imaging. American Journal of Neuroradiology, 2005, 26, 1612-22.	1.2	18

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73	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
74	Characterization of an anisotropic hydrogel tissue substrate for infusion testing. <i>Journal of Applied Polymer Science</i> , 2009, 114, 1992-2002.	1.3	16
75	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
76	Deuterated water imaging of the rat brain following metabolism of [ <sup>2</sup> H <sub>7</sub> ]glucose. <i>Magnetic Resonance in Medicine</i> , 2021, 85, 3049-3059.	1.9	16
77	Multi-fiber reconstruction from DW-MRI using a continuous mixture of von Mises-Fisher distributions. , 2008, , .		15
78	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
79	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
80	Dimensionless, Scale Invariant, Edge Weight Metric for the Study of Complex Structural Networks. <i>PLoS ONE</i> , 2015, 10, e0131493.	1.1	14
81	Dynamic Assessment of Intraspinal Neural Graft Survival Using Magnetic Resonance Imaging. <i>Experimental Neurology</i> , 1995, 136, 64-72.	2.0	13
82	In vivo dynamics and distribution of intracerebroventricularly administered gadodiamide, visualized by magnetic resonance imaging. <i>Neuroscience</i> , 1999, 90, 1115-1122.	1.1	13
83	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
84	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
85	A Field-Gradient Coil Using Concentric Return Paths. <i>Journal of Magnetic Resonance Series B</i> , 1996, 112, 124-130.	1.6	12
86	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
87	Cognition and connectomes in nondementia idiopathic Parkinson's disease. <i>Network Neuroscience</i> , 2018, 2, 106-124.	1.4	12
88	Phase contrast MRI of creeping flows using stimulated echo. <i>Journal of Magnetic Resonance</i> , 2019, 299, 49-58.	1.2	12
89	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
90	Methods to Compare Predicted and Observed Phosphene Experience in tACS Subjects. <i>Neural Plasticity</i> , 2018, 2018, 1-10.	1.0	11

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91	Synthesis and purification of radioactive $6\hat{1}^2$ -iodomethyl-19-norcholest-5(10)-EN-33-ol. Steroids, 1976, 28, 295-303.	0.8	10
92	$^{13}\text{C}$ and $^1\text{H}$ nuclear magnetic resonance spectroscopy of C-19 and $6\hat{1}^2$ -methyl substituted steroids: long-range shift effects in conformational analysis. Canadian Journal of Chemistry, 1979, 57, 27-37.	0.6	10
93	In Vivo Contrast-Enhanced MR Imaging of Direct Infusion into Rat Peripheral Nerves. Annals of Biomedical Engineering, 2011, 39, 2823-2834.	1.3	10
94	MR measurement of alloy magnetic susceptibility: Towards developing tissue-susceptibility matched metals. Journal of Magnetic Resonance, 2013, 233, 49-55.	1.2	10
95	Small Worldness in Dense and Weighted Connectomes. Frontiers in Physics, 2016, 4, .	1.0	10
96	Line Integral Convolution for Visualization of Fiber Tract Maps from DTI. Lecture Notes in Computer Science, 2002, , 615-622.	1.0	9
97	Multi-fiber Reconstruction from DW-MRI Using a Continuous Mixture of Hyperspherical von Mises-Fisher Distributions. Lecture Notes in Computer Science, 2009, 21, 139-150.	1.0	9
98	Exploiting the stimulated echo in nuclear magnetic resonance imaging. I. Method. Journal of Magnetic Resonance, 1985, 64, 177-182.	0.5	8
99	Simultaneous smoothing and estimation of the tensor field from diffusion tensor MRI. , 0, , .		8
100	Characterizing magnetic resonance signal decay due to gaussian diffusion: The path integral approach and a convenient computational method. Concepts in Magnetic Resonance Part A: Bridging Education and Research, 2015, 44, 203-213.	0.2	8
101	The hippocampus: detailed assessment of normative two-dimensional measurements, signal intensity, and subfield conspicuity on routine 3T T2-weighted sequences. Surgical and Radiologic Anatomy, 2017, 39, 1149-1159.	0.6	8
102	Better Brain and Cognition Prior to Surgery Is Associated With Elevated Postoperative Brain Extracellular Free-Water in Older Adults. Frontiers in Aging Neuroscience, 2019, 11, 117.	1.7	8
103	Tip-angle-reduced T1 imaging. Journal of Magnetic Resonance, 1986, 67, 55-65.	0.5	7
104	Volume-localized spectroscopy using selective fourier transform with windowing by variable-tip-angle excitation. Journal of Magnetic Resonance, 1991, 94, 174-179.	0.5	7
105	Fast Orientation Mapping from HARDI. Lecture Notes in Computer Science, 2005, 8, 156-163.	1.0	7
106	Exploiting the stimulated echo in nuclear magnetic resonance imaging. II. Applications. Journal of Magnetic Resonance, 1985, 65, 298-307.	0.5	6
107	Relative Efficiencies of Weighting Methods for Phase-Encoded Localized NMR. Journal of Magnetic Resonance Series B, 1994, 103, 274-277.	1.6	6
108	Temporal lobe epilepsy affects spatial organization of entorhinal cortex connectivity. Epilepsy and Behavior, 2018, 88, 87-95.	0.9	6

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109	Chemical and radiochemical stability of the adrenal-scanning agents, 66-iodomethyl-19-norcholest-5(10)-en-3 $\beta$ -ol and 19-iodocholest-5-en-3 $\beta$ -ol. Steroids, 1977, 30, 511-519.	0.8	5
110	Suppression of artifacts in multiple-echo magnetic resonance. Journal of Magnetic Resonance, 1989, 83, 11-28.	0.5	5
111	Automatic fiber tractography from DTI and its validation. , 0, , .		5
112	Fiber orientation mapping using generalized diffusion tensor imaging. , 0, , .		5
113	Absolute magnetic susceptibility of rat brain tissue. Magnetic Resonance in Medicine, 2014, 72, 876-879.	1.9	5
114	Magnetic field gradient system for nuclear magnetic resonance microimaging. Magnetic Resonance Materials in Physics, Biology, and Medicine, 1996, 4, 85-91.	1.1	4
115	Assessing neuraxial microstructural changes in a transgenic mouse model of early stage Amyotrophic Lateral Sclerosis by ultra-high field MRI and diffusion tensor metrics. Animal Models and Experimental Medicine, 2020, 3, 117-129.	1.3	4
116	Classification of Fractional Order Biomarkers for Anomalous Diffusion Using q-Space Entropy. Critical Reviews in Biomedical Engineering, 2014, 42, 63-83.	0.5	3
117	Influence of Neuropathology on Convection-Enhanced Delivery in the Rat Hippocampus. PLoS ONE, 2013, 8, e80606.	1.1	3
118	Nitrogen-15 satellites in proton NMR spectra observed by two-dimensional fourier transformation. Journal of Magnetic Resonance, 1981, 44, 572-576.	0.5	2
119	A digital phase shifter with 7.5 $\hat{\circ}$ resolution. Journal of Magnetic Resonance, 1989, 84, 275-281.	0.5	2
120	Higher Rank Tensors in Diffusion MRI. Mathematics and Visualization, 2006, , 177-187.	0.4	2
121	A CONTINUOUS MIXTURE OF TENSORS MODEL FOR DIFFUSION-WEIGHTED MR SIGNAL RECONSTRUCTION. , 2007, 4, 772-775.		2
122	Nuclear magnetic resonance energy harvesting for ultra-low power biomedical implants. , 2011, , .		2
123	Longitudinal evaluation of tumor microenvironment in rat focal brainstem glioma using diffusion and perfusion MRI. Journal of Magnetic Resonance Imaging, 2019, 49, 1322-1332.	1.9	2
124	Functional connectivity of key resting state networks and objectively measured physical activity in older adults with joint pain: A pilot study. Experimental Gerontology, 2021, 153, 111470.	1.2	2
125	Convolution spectral imaging. Journal of Magnetic Resonance, 1988, 79, 236-254.	0.5	1
126	Phase shift in hippocampal circadian rhythm during the latent period of epileptic rats. BMC Neuroscience, 2011, 12, .	0.8	1



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127	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
128	In Vivo Contrast-Enhanced MR Imaging for Direct Infusion Into Rat Peripheral Nerve. , 2008, , .		1
129	Statistical analysis of a nonlinear estimator for ADC and its application to optimizing diffusion weighting factors. , 0, , .		0
130	A Nonparametric Reconstruction and its Matrix Implementation for the Diffusion Orientation Transform (DOT). , 0, , .		0
131	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
132	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
133	Computational Model of Interstitial Transport in the Rat Brain Using Diffusion Tensor Imaging. , 2007, , .		0
134	Effective and Anatomical Connectivity in a Rat Model of Spontaneous Limbic Seizure. , 0, , 45-59.		0
135	A Computational Model of Interstitial Transport in Murine Sarcoma With Heterogeneous Vasculature: A Sensitivity Analysis. , 2009, , .		0
136	A Physical basis for multi-fiber reconstruction from DW-MRI data. , 2009, , .		0
137	In Vivo MRI of Macromolecular Transport Into the Rat Spinal Cord via Peripheral Nerve Infusion. , 2009, , .		0
138	Generalized Framework to Study Brain Weighted Networks. <i>Biophysical Journal</i> , 2013, 104, 164a.	0.2	0
139	Segmentation of Rat Brain MR Images Using Artificial Neural Network Classifier. , 2013, , .		0
140	Fractional order measures of anomalous diffusion in healthy aging of neural tissue. , 2014, , .		0
141	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
142	Editorial: Novel Tools for the Study of Structural and Functional Networks in the Brain. <i>Frontiers in Physics</i> , 2018, 6, .	1.0	0
143	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
144	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

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145	High Resolution DCE-MRI Vascular Characterization of Murine Sarcoma and Human Renal Cell Carcinoma for Computational Modeling. , 2008, , .		0
146	A Computational Model of Direct Infusion Into the Rat Brain: Corpus Callosum and Hippocampus. , 2009, , .		0
147	Voxelized 3D Computational Transport Model of Infusions Into the Ventral Hippocampus: Comparison With Experimental Studies. , 2011, , .		0