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List of Publications by Year
in descending order

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45 papers	727 citations	471509 17 h-index	580821 25 g-index
46 all docs	46 docs citations	46 times ranked	1116 citing authors

#	Article	IF	Citations
1	Mitochondrial Creatine Kinase Attenuates Pathologic Remodeling in Heart Failure. Circulation Research, 2022, , CIRCRESAHA121319648.	4.5	6
2	Cerebrovascular Effects of Lower Body Negative Pressure at 3T MRI : Implications for Longâ€Duration Space Travel. Journal of Magnetic Resonance Imaging, 2022, , .	3.4	2
3	Characterizing the time course of cerebrovascular reactivity in multiple sclerosis. Journal of Neuroimaging, 2022, , .	2.0	1
4	Editorial for â€œA Multiâ€Modality Fusion Deep Learning Model Based on <scp>DCEâ€MRI</scp> for Preoperative Prediction of Microvascular Invasion in Intrahepatic Cholangiocarcinomaâ€. Journal of Magnetic Resonance Imaging, 2022, 56, 1040-1041.	3.4	0
5	Editorial for â€œReliability of Changes in Brain Volume Determined by Longitudinal Voxelâ€Based Morphometryâ€. Journal of Magnetic Resonance Imaging, 2021, 54, 617-617.	3.4	0
6	Deep learning segmentation of gadolinium-enhancing lesions in multiple sclerosis. Multiple Sclerosis Journal, 2021, 27, 519-527.	3.0	22
7	Brain and lesion segmentation in multiple sclerosis using fully convolutional neural networks: A large-scale study. Multiple Sclerosis Journal, 2020, 26, 1217-1226.	3.0	58
8	Are multi-contrast magnetic resonance images necessary for segmenting multiple sclerosis brains? A large cohort study based on deep learning. Magnetic Resonance Imaging, 2020, 65, 8-14.	1.8	19
9	Deepâ€Learningâ€Based Neural Tissue Segmentation of MRI in Multiple Sclerosis: Effect of Training Set Size. Journal of Magnetic Resonance Imaging, 2020, 51, 1487-1496.	3.4	31
10	Deep Learning for Predicting Enhancing Lesions in Multiple Sclerosis from Noncontrast MRI. Radiology, 2020, 294, 398-404.	7.3	67
11	Sensitive Detection of Infratentorial and Upper Cervical Cord Lesions in Multiple Sclerosis with Combined 3D FLAIR and T2-Weighted (FLAIR3) Imaging. American Journal of Neuroradiology, 2020, 41, 2062-2067.	2.4	2
12	Indentation and Transverse Diameter of the Meckel Cave: Imaging Markers to Diagnose Idiopathic Intracranial Hypertension. American Journal of Neuroradiology, 2020, 41, 1487-1494.	2.4	14
13	Quantitative Assessment of In Vivo Human Anterior Cruciate Ligament Autograft Remodeling: A 3-Dimensional UTE-T2* Imaging Study. American Journal of Sports Medicine, 2020, 48, 2939-2947.	4.2	16
14	Serial Metabolic Evaluation of Perihematomal Tissues in the Intracerebral Hemorrhage Pig Model. Frontiers in Neuroscience, 2019, 13, 888.	2.8	12
15	MRI acoustic noise-modulated computer animations for patient distraction and entertainment with application in pediatric psychiatric patients. Magnetic Resonance Imaging, 2019, 61, 16-19.	1.8	5
16	Serial Cerebral Metabolic Changes in Patients With Ischemic Stroke Treated With Autologous Bone Marrow Derived Mononuclear Cells. Frontiers in Neurology, 2019, 10, 141.	2.4	7
17	Ongoing Secondary Degeneration of the Limbic System in Patients With Ischemic Stroke: A Longitudinal MRI Study. Frontiers in Neurology, 2019, 10, 154.	2.4	35
18	Automated image quality evaluation of structural brain MRI using an ensemble of deep learning networks. Journal of Magnetic Resonance Imaging, 2019, 50, 1260-1267.	3.4	50

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19	Interleaved susceptibilityâ€weighted and FLAIR MRI for imaging lesionâ€penetrating veins in multiple sclerosis. Magnetic Resonance in Medicine, 2018, 80, 1132-1137.	3.0	6
20	Serial quantitative neuroimaging of iron in the intracerebral hemorrhage pig model. Journal of Cerebral Blood Flow and Metabolism, 2018, 38, 375-381.	4.3	18
21	Platform for Automated Real-Time High Performance Analytics on Medical Image Data. IEEE Journal of Biomedical and Health Informatics, 2018, 22, 318-324.	6.3	1
22	Imaging Intralesional Heterogeneity in Multiple Sclerosis using a T2 Filter. , 2018, , .		0
23	Cardiac work is related to creatine kinase energy supply in human heart failure: a cardiovascular magnetic resonance spectroscopy study. Journal of Cardiovascular Magnetic Resonance, 2018, 20, 81.	3.3	29
24	Diffusion Tensor Imagingâ€Defined Sulcal Enlargement Is Related to Cognitive Impairment in Multiple Sclerosis. Journal of Neuroimaging, 2017, 27, 312-317.	2.0	3
25	Patientâ€specific 3D FLAIR for enhanced visualization of brain white matter lesions in multiple sclerosis. Journal of Magnetic Resonance Imaging, 2017, 46, 557-564.	3.4	2
26	GRAPE: a graphical pipeline environment for image analysis in adaptive magnetic resonance imaging. International Journal of Computer Assisted Radiology and Surgery, 2017, 12, 449-457.	2.8	1
27	Limbic Pathway Correlates of Cognitive Impairment in Multiple Sclerosis. Journal of Neuroimaging, 2017, 27, 37-42.	2.0	19
28	Automated patientâ€specific optimization of threeâ€dimensional doubleâ€inversion recovery magnetic resonance imaging. Magnetic Resonance in Medicine, 2016, 75, 585-593.	3.0	10
29	Optimal combination of FLAIR and T2â€weighted MRI for improved lesion contrast in multiple sclerosis. Journal of Magnetic Resonance Imaging, 2016, 44, 1293-1300.	3.4	15
30	A framework for precision magnetic resonance imaging: Initial results. , 2016, , .		3
31	Two repetition time saturation transfer (TwiST) with spill-over correction to measure creatine kinase reaction rates in human hearts. Journal of Cardiovascular Magnetic Resonance, 2015, 17, 70.	3.3	24
32	Improving spectral quality in fetal brain magnetic resonance spectroscopy using constructive averaging. Prenatal Diagnosis, 2015, 35, 1294-1300.	2.3	5
33	Scale- and orientation-invariant keypoints in higher-dimensional data. , 2015, , .		5
34	Highly-accelerated quantitative 2D and 3D localized spectroscopy with linear algebraic modeling (SLAM) and sensitivity encoding. Journal of Magnetic Resonance, 2013, 237, 125-138.	2.1	24
35	Quantification of human highâ€energy phosphate metabolite concentrations at 3â€‰T with partial volume and sensitivity corrections. NMR in Biomedicine, 2013, 26, 1363-1371.	2.8	22
36	Magnetic resonance Spectroscopy with Linear Algebraic Modeling (SLAM) for higher speed and sensitivity. Journal of Magnetic Resonance, 2012, 218, 66-76.	2.1	31

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37	High-energy phosphate transfer in human muscle: diffusion of phosphocreatine. American Journal of Physiology - Cell Physiology, 2011, 301, C234-C241.	4.6	28
38	Optimizing kernel size in generalized auto-calibrating partially parallel acquisition in parallel magnetic resonance imaging. Proceedings of SPIE, 2010, , .	0.8	1
39	MRI dynamic range and its compatibility with signal transmission media. Journal of Magnetic Resonance, 2009, 198, 137-145.	2.1	12
40	Correcting reaction rates measured by saturation-transfer magnetic resonance spectroscopy. Journal of Magnetic Resonance, 2008, 191, 248-258.	2.1	21
41	Quantifying in vivo MR spectra with circles. Journal of Magnetic Resonance, 2006, 179, 152-163.	2.1	30
42	On restoring motion-induced signal loss in single-voxel magnetic resonance spectra. Magnetic Resonance in Medicine, 2006, 56, 754-760.	3.0	44
43	Deconvolution-interpolation gridding (DING): Accurate reconstruction for arbitrarykk-space trajectories. Magnetic Resonance in Medicine, 2006, 56, 1182-1191.	3.0	15
44	Progressive Magnetic Resonance Image Reconstruction Based on Iterative Solution of a Sparse Linear System. International Journal of Biomedical Imaging, 2006, 2006, 1-9.	3.9	6
45	Combined intra- and inter-slice motion artifact suppression in magnetic resonance imaging. , 2003, , .		4