

Walter F Block

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

56 papers	1,988 citations	21 h-index	44 g-index
57 ext. papers	2,198 ext. citations	5.8 avg, IF	4.26 L-index

#	Paper	IF	Citations
56	Autologous transplant therapy alleviates motor and depressive behaviors in parkinsonian monkeys. <i>Nature Medicine</i> , 2021 , 27, 632-639	50.5	23
55	[F]FEPPA PET imaging for monitoring CD68-positive microglia/macrophage neuroinflammation in nonhuman primates. <i>EJNMMI Research</i> , 2020 , 10, 93	3.6	8
54	Dorsal Amygdala Neurotrophin-3 Decreases Anxious Temperament in Primates. <i>Biological Psychiatry</i> , 2019 , 86, 881-889	7.9	13
53	Changes in Endogenous Dopamine Induced by Methylphenidate Predict Functional Connectivity in Nonhuman Primates. <i>Journal of Neuroscience</i> , 2019 , 39, 1436-1444	6.6	11
52	Feasibility of high spatiotemporal resolution for an abbreviated 3D radial breast MRI protocol. <i>Magnetic Resonance in Medicine</i> , 2018 , 80, 1452-1466	4.4	13
51	Review of quantitative multiscale imaging of breast cancer. <i>Journal of Medical Imaging</i> , 2018 , 5, 010901	2.6	10
50	Use of a platelet-rich plasma-collagen scaffold as a bioenhanced repair treatment for management of partial cruciate ligament rupture in dogs. <i>PLoS ONE</i> , 2018 , 13, e0197204	3.7	11
49	Radiographic and magnetic resonance imaging predicts severity of cruciate ligament fiber damage and synovitis in dogs with cranial cruciate ligament rupture. <i>PLoS ONE</i> , 2017 , 12, e0178086	3.7	10
48	Real-Time Intraoperative MRI Intracerebral Delivery of Induced Pluripotent Stem Cell-Derived Neurons. <i>Cell Transplantation</i> , 2017 , 26, 613-624	4	9
47	Fast Realistic MRI Simulations Based on Generalized Multi-Pool Exchange Tissue Model. <i>IEEE Transactions on Medical Imaging</i> , 2017 , 36, 527-537	11.7	36
46	3D FSE Cube and VIPR-aTR 3.0 Tesla magnetic resonance imaging predicts canine cranial cruciate ligament structural properties. <i>Veterinary Journal</i> , 2016 , 209, 150-5	2.5	7
45	Rapid multicomponent relaxometry in steady state with correction of magnetization transfer effects. <i>Magnetic Resonance in Medicine</i> , 2016 , 75, 1423-33	4.4	22
44	Overexpressing Corticotropin-Releasing Factor in the Primate Amygdala Increases Anxious Temperament and Alters Its Neural Circuit. <i>Biological Psychiatry</i> , 2016 , 80, 345-55	7.9	49
43	Multicomponent T2 analysis of articular cartilage with synovial fluid partial volume correction. <i>Journal of Magnetic Resonance Imaging</i> , 2016 , 43, 1140-7	5.6	6
42	Utilization of a balanced steady state free precession signal model for improved fat/water decomposition. <i>Magnetic Resonance in Medicine</i> , 2016 , 75, 1269-77	4.4	4
41	Articular Cartilage of the Human Knee Joint: In Vivo Multicomponent T2 Analysis at 3.0 T. <i>Radiology</i> , 2015 , 277, 477-88	20.5	21
40	Rapid in vivo multicomponent T2 mapping of human knee menisci. <i>Journal of Magnetic Resonance Imaging</i> , 2015 , 42, 1321-8	5.6	6

39	Rapid multicomponent T2 analysis of the articular cartilage of the human knee joint at 3.0T. <i>Journal of Magnetic Resonance Imaging</i> , 2014 , 39, 1191-7	5.6	34
38	Rapid isotropic resolution cartilage assessment using radial alternating repetition time balanced steady-state free-precession imaging. <i>Journal of Magnetic Resonance Imaging</i> , 2014 , 40, 796-803	5.6	9
37	Quantitative hepatic perfusion modeling using DCE-MRI with sequential breathholds. <i>Journal of Magnetic Resonance Imaging</i> , 2014 , 39, 853-65	5.6	11
36	High-spatial and high-temporal resolution dynamic contrast-enhanced perfusion imaging of the liver with time-resolved three-dimensional radial MRI. <i>Magnetic Resonance in Medicine</i> , 2014 , 71, 934-41	4.4	26
35	High-resolution 3D radial bSSFP with IDEAL. <i>Magnetic Resonance in Medicine</i> , 2014 , 71, 95-104	4.4	14
34	Noncontrast dynamic 3D intracranial MR angiography using pseudo-continuous arterial spin labeling (PCASL) and accelerated 3D radial acquisition. <i>Journal of Magnetic Resonance Imaging</i> , 2014 , 39, 1320-6	5.6	37
33	Non-contrast enhanced 3D SSFP MRA of the renal allograft vasculature: a comparison between radial linear combination and Cartesian inflow-weighted acquisitions. <i>Magnetic Resonance Imaging</i> , 2014 , 32, 190-5	3.3	6
32	Rapid measurement and correction of phase errors from B0 eddy currents: impact on image quality for non-Cartesian imaging. <i>Magnetic Resonance in Medicine</i> , 2013 , 69, 509-15	4.4	20
31	Noncontrast-enhanced three-dimensional (3D) intracranial MR angiography using pseudocontinuous arterial spin labeling and accelerated 3D radial acquisition. <i>Magnetic Resonance in Medicine</i> , 2013 , 69, 708-15	4.4	50
30	Improved least squares MR image reconstruction using estimates of k-space data consistency. <i>Magnetic Resonance in Medicine</i> , 2012 , 67, 1600-8	4.4	36
29	Self-calibrated multiple-echo acquisition with radial trajectories using the conjugate gradient method (SMART-CG). <i>Journal of Magnetic Resonance Imaging</i> , 2011 , 33, 980-7	5.6	1
28	Intraoperative device targeting using real-time MRI 2011 ,		2
27	Cartilage morphology at 3.0T: assessment of three-dimensional magnetic resonance imaging techniques. <i>Journal of Magnetic Resonance Imaging</i> , 2010 , 32, 173-83	5.6	31
26	Single breathhold cardiac CINE imaging with multi-echo three-dimensional hybrid radial SSFP acquisition. <i>Journal of Magnetic Resonance Imaging</i> , 2010 , 32, 434-40	5.6	18
25	POCS-enhanced correction of motion artifacts in parallel MRI. <i>Magnetic Resonance in Medicine</i> , 2010 , 63, 1104-10	4.4	17
24	Dual half-echo phase correction for implementation of 3D radial SSFP at 3.0 T. <i>Magnetic Resonance in Medicine</i> , 2010 , 63, 282-9	4.4	6
23	Vastly undersampled isotropic projection steady-state free precession imaging of the knee: diagnostic performance compared with conventional MR. <i>Radiology</i> , 2009 , 251, 185-94	20.5	82
22	3D diffusion tensor MRI with isotropic resolution using a steady-state radial acquisition. <i>Journal of Magnetic Resonance Imaging</i> , 2009 , 29, 1175-84	5.6	20

21	Pilot study of improved lesion characterization in breast MRI using a 3D radial balanced SSFP technique with isotropic resolution and efficient fat-water separation. <i>Journal of Magnetic Resonance Imaging</i> , 2009 , 30, 135-44	5.6	5
20	Prolonged mechanical and physiological changes in the upper extremity following short-term simulated power hand tool use. <i>Ergonomics</i> , 2009 , 52, 15-24	2.9	12
19	Mechanical and magnetic resonance imaging changes following eccentric or concentric exertions. <i>Clinical Biomechanics</i> , 2008 , 23, 961-8	2.2	16
18	3D hyperpolarized He-3 MRI of ventilation using a multi-echo projection acquisition. <i>Magnetic Resonance in Medicine</i> , 2008 , 59, 1062-71	4.4	46
17	Improved 3D phase contrast MRI with off-resonance corrected dual echo VIPR. <i>Magnetic Resonance in Medicine</i> , 2008 , 60, 1329-36	4.4	147
16	Consistent non-cartesian off-axis MRI quality: calibrating and removing multiple sources of demodulation phase errors. <i>Magnetic Resonance in Medicine</i> , 2007 , 57, 206-12	4.4	20
15	Balanced SSFP imaging of the musculoskeletal system. <i>Journal of Magnetic Resonance Imaging</i> , 2007 , 25, 270-8	5.6	24
14	Evaluation of ganglion cysts using vastly undersampled isotropic projection reconstruction (VIPR). <i>Journal of Magnetic Resonance Imaging</i> , 2007 , 26, 768-72	5.6	13
13	Reconstruction of MRI Data Using Sparse Matrix Inverses. <i>Conference Record of the Asilomar Conference on Signals, Systems and Computers</i> , 2007 ,	0.3	1
12	3D fluoroscopy with real-time 3D non-cartesian phased-array contrast-enhanced MRA. <i>Magnetic Resonance in Medicine</i> , 2006 , 56, 247-54	4.4	7
11	Upper limb dynamic responses to impulsive forces for selected assembly workers. <i>Journal of Occupational and Environmental Hygiene</i> , 2006 , 3, 72-9	2.9	12
10	Generation and visualization of four-dimensional MR angiography data using an undersampled 3-D projection trajectory. <i>IEEE Transactions on Medical Imaging</i> , 2006 , 25, 148-57	11.7	48
9	Anatomical and mechanical changes following repetitive eccentric exertions. <i>Clinical Biomechanics</i> , 2005 , 20, 41-9	2.2	39
8	Rapid fat-suppressed isotropic steady-state free precession imaging using true 3D multiple-half-echo projection reconstruction. <i>Magnetic Resonance in Medicine</i> , 2005 , 53, 692-9	4.4	50
7	PC VIPR: a high-speed 3D phase-contrast method for flow quantification and high-resolution angiography. <i>American Journal of Neuroradiology</i> , 2005 , 26, 743-9	4.4	195
6	Improved spectral selectivity and reduced susceptibility in SSFP using a near zero TE undersampled three-dimensional PR sequence. <i>Journal of Magnetic Resonance Imaging</i> , 2004 , 19, 117-23	5.6	21
5	Time-resolved contrast-enhanced imaging with isotropic resolution and broad coverage using an undersampled 3D projection trajectory. <i>Magnetic Resonance in Medicine</i> , 2002 , 48, 297-305	4.4	246
4	Undersampled projection reconstruction applied to MR angiography. <i>Magnetic Resonance in Medicine</i> , 2000 , 43, 91-101	4.4	307

3	Undersampled projection-reconstruction imaging for time-resolved contrast-enhanced imaging. <i>Magnetic Resonance in Medicine</i> , 2000 , 43, 170-6	4.4	97
2	Undersampled projection reconstruction applied to MR angiography 2000 , 43, 91		1
1	Undersampled projection-reconstruction imaging for time-resolved contrast-enhanced imaging 2000 , 43, 170		2