

Walter F Block

List of Publications by Citations

Source: <https://exaly.com/author-pdf/11822141/walter-f-block-publications-by-citations.pdf>
Version: 2024-04-10

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.
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	Undersampled projection reconstruction applied to MR angiography. <i>Magnetic Resonance in Medicine</i> , 2000 , 43, 91-101	4.4	307
55	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
54	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
53	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
52	Undersampled projection-reconstruction imaging for time-resolved contrast-enhanced imaging. <i>Magnetic Resonance in Medicine</i> , 2000 , 43, 170-6	4.4	97
51	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
50	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
49	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
48	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
47	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
46	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
45	Anatomical and mechanical changes following repetitive eccentric exertions. <i>Clinical Biomechanics</i> , 2005 , 20, 41-9	2.2	39
44	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
43	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
42	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
41	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
40	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

39	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
38	Balanced SSFP imaging of the musculoskeletal system. <i>Journal of Magnetic Resonance Imaging</i> , 2007 , 25, 270-8	5.6	24
37	Autologous transplant therapy alleviates motor and depressive behaviors in parkinsonian monkeys. <i>Nature Medicine</i> , 2021 , 27, 632-639	50.5	23
36	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
35	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
34	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
33	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
32	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
31	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
30	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
29	POCS-enhanced correction of motion artifacts in parallel MRI. <i>Magnetic Resonance in Medicine</i> , 2010 , 63, 1104-10	4.4	17
28	Mechanical and magnetic resonance imaging changes following eccentric or concentric exertions. <i>Clinical Biomechanics</i> , 2008 , 23, 961-8	2.2	16
27	High-resolution 3D radial bSSFP with IDEAL. <i>Magnetic Resonance in Medicine</i> , 2014 , 71, 95-104	4.4	14
26	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
25	Dorsal Amygdala Neurotrophin-3 Decreases Anxious Temperament in Primates. <i>Biological Psychiatry</i> , 2019 , 86, 881-889	7.9	13
24	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
23	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
22	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

21	Quantitative hepatic perfusion modeling using DCE-MRI with sequential breathholds. <i>Journal of Magnetic Resonance Imaging</i> , 2014 , 39, 853-65	5.6	11
20	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
19	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
18	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
17	Review of quantitative multiscale imaging of breast cancer. <i>Journal of Medical Imaging</i> , 2018 , 5, 010901	2.6	10
16	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
15	Real-Time Intraoperative MRI Intracerebral Delivery of Induced Pluripotent Stem Cell-Derived Neurons. <i>Cell Transplantation</i> , 2017 , 26, 613-624	4	9
14	[F]FEPPA PET imaging for monitoring CD68-positive microglia/macrophage neuroinflammation in nonhuman primates. <i>EJNMMI Research</i> , 2020 , 10, 93	3.6	8
13	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
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	Rapid in vivo multicomponent T2 mapping of human knee menisci. <i>Journal of Magnetic Resonance Imaging</i> , 2015 , 42, 1321-8	5.6	6
10	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
9	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
8	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
7	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
6	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
5	Intraoperative device targeting using real-time MRI 2011 ,		2
4	Undersampled projection-reconstruction imaging for time-resolved contrast-enhanced imaging 2000 , 43, 170		2

3	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
2	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
1	Undersampled projection reconstruction applied to MR angiography 2000 , 43, 91		1