William Scott Hoge

List of Publications by Year
in descending order

53	890	566801 15	500791 28
papers	citations	h-index	g-index

54	54	54	1125
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Diffusionâ€weighted magnetic resonance imaging in rat kidney using twoâ€dimensional navigated, interleaved echoâ€planar imaging at 7.0ÂT. NMR in Biomedicine, 2022, 35, e4652.	1.6	1
2	Accelerating joint relaxationâ€diffusion MRI by integrating time division multiplexing and simultaneous multiâ€slice (TDMâ€SMS) strategies. Magnetic Resonance in Medicine, 2022, 87, 2697-2709.	1.9	3
3	Dynamic distortion correction for functional MRI using FID navigators. Magnetic Resonance in Medicine, 2021, 85, 1294-1307.	1.9	16
4	Robust autocalibrated structured lowâ€rank EPI ghost correction. Magnetic Resonance in Medicine, 2021, 85, 3403-3419.	1.9	11
5	Diets Varying in Carbohydrate Content Differentially Alter Brain Activity in Homeostatic and Reward Regions in Adults. Journal of Nutrition, 2021, 151, 2465-2476.	1.3	10
6	In vivo human whole-brain Connectom diffusion MRI dataset at 760â€‰Âµm isotropic resolution. Scientific Data, 2021, 8, 122.	2.4	37
7	Accelerated diffusion and relaxationâ€diffusion MRI using timeâ€division multiplexing EPI. Magnetic Resonance in Medicine, 2021, 86, 2528-2541.	1.9	6
8	Orthogonal projections for image quality analyses applied to MRI. Proceedings in Applied Mathematics and Mechanics, 2021, 20, e202000159.	0.2	0
9	Simultaneous Motion and Distortion Correction Using Dualâ€Echo Diffusionâ€Weighted MRI. Journal of Neuroimaging, 2020, 30, 276-285.	1.0	9
10	Multipathway multiâ€echo (MPME) imaging: all main MR parameters mapped based on a single 3D scan. Magnetic Resonance in Medicine, 2019, 81, 1699-1713.	1.9	19
11	Dualâ€polarity sliceâ€GRAPPA for concurrent ghost correction and slice separation in simultaneous multiâ€slice EPI. Magnetic Resonance in Medicine, 2018, 80, 1364-1375.	1.9	15
12	Navigator-Free EPI Ghost Correction With Structured Low-Rank Matrix Models: New Theory and Methods. IEEE Transactions on Medical Imaging, 2018, 37, 2390-2402.	5.4	35
13	Robust autocalibrated loraks for EPI ghost correction. , 2018, 2018, 663-666.		3
14	Genetic and neural predictors of behavioral weight loss treatment: A preliminary study. Obesity, 2017, 25, 66-75.	1.5	7
15	Hybrid <scp>MRI</scp>â€Ultrasound acquisitions, and scannerless realâ€time imaging. Magnetic Resonance in Medicine, 2017, 78, 897-908.	1.9	15
16	Sampling and recovery of MRI data using low rank tensor models. , 2016, 2016, 448-452.		11
17	Dualâ€polarity GRAPPA for simultaneous reconstruction and ghost correction of echo planar imaging data. Magnetic Resonance in Medicine, 2016, 76, 32-44.	1.9	40
18	A dual-polarity grappa kernel for the robust reconstruction of accelerated EPI data. , 2015, , .		0

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19	Accurate field mapping in the presence of B₀ inhomogeneities, applied to MR thermometry. Magnetic Resonance in Medicine, 2015, 73, 2142-2151.	1.9	9
20	Hybrid Utrasound and MRI Acquisitions for High-Speed Imaging of Respiratory Organ Motion. Lecture Notes in Computer Science, 2015, 9349, 315-322.	1.0	6
21	Prospective motion correction using tracking coils. Magnetic Resonance in Medicine, 2013, 69, 749-759.	1.9	27
22	A method for z-shim compensated EPI-bold imaging in a single shot. , 2013, , .		2
23	Rapid fullâ€brain fMRI with an accelerated multi shot 3D EPI sequence using both UNFOLD and GRAPPA. Magnetic Resonance in Medicine, 2012, 67, 1266-1274.	1.9	14
24	Retrospectively gated cardiac cine imaging with temporal and spatial acceleration. Magnetic Resonance Imaging, 2011, 29, 457-469.	1.0	6
25	Statistical noise analysis in GRAPPA using a parametrized noncentral Chi approximation model. Magnetic Resonance in Medicine, 2011, 65, 1195-1206.	1.9	85
26	3D GRASE PROPELLER: Improved image acquisition technique for arterial spin labeling perfusion imaging. Magnetic Resonance in Medicine, 2011, 66, 168-173.	1.9	26
27	Efficient single-shot Z-shim EPI via spatial and temporal encoding. , 2011, , .		1
28	A 2D MTF approach to evaluate and guide dynamic imaging developments. Magnetic Resonance in Medicine, 2010, 63, 407-418.	1.9	12
29	Pixelâ€based comparison of spinal cord MR diffusion anisotropy with axon packing parameters. Magnetic Resonance in Medicine, 2010, 63, 1510-1519.	1.9	8
30	Robust EPI Nyquist ghost elimination via spatial and temporal encoding. Magnetic Resonance in Medicine, 2010, 64, 1781-1791.	1.9	34
31	A method for continuous accelerated echo-planar imaging with self-referenced parallel MR reconstruction and artifact correction. , 2009, , .		0
32	Using GRAPPA to improve autocalibrated coil sensitivity estimation for the SENSE family of parallel imaging reconstruction algorithms. Magnetic Resonance in Medicine, 2008, 60, 462-467.	1.9	24
33	Comparison of parallel MRI reconstruction methods for accelerated 3D fast spinâ€echo imaging. Magnetic Resonance in Medicine, 2008, 60, 650-660.	1.9	11
34	RLS-grappa: Reconstructing parallel MRI data with adaptive filters. , 2008, , .		1
35	Improved PASL EPI acquisitions with parallel imaging and unfold. , 2008, , .		1
36	FAST REGULARIZED RECONSTRUCTION OF NON-UNIFORMLY SUBSAMPLED PARTIAL-FOURIER PARALLEL MRI DATA. , 2007, , .		5

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37	Fast Regularized Parallel Imaging in an MR Image-Guided Therapy Application. Conference Record of the Asilomar Conference on Signals, Systems and Computers, 2007, , .	0.0	1
38	Collateral nerve fibers in human spinal cord: Visualization with magnetic resonance diffusion tensor imaging. NeuroImage, 2006, 31, 24-30.	2.1	28
39	Generalized encoding through the use of selective excitation in accelerated parallel MRI. NMR in Biomedicine, 2006, 19, 379-392.	1.6	13
40	Extension of the UNFOLD method to include free breathing. Magnetic Resonance in Medicine, 2006, 55, 352-362.	1.9	9
41	On the Complimentarity of Sense and Grappa in Parallel MR Imaging. , 2006, 2006, 755-8.		6
42	A Study of Parallel MRI Reconstruction Approaches for Sub-Sampled Partial-Fourier Acquisitions. , 2006, , .		0
43	On the Complimentarity of Sense and Grappa in Parallel MR Imaging. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2006, , .	0.5	0
44	A tour of accelerated parallel MR imaging from a linear systems perspective. Concepts in Magnetic Resonance Part A: Bridging Education and Research, 2005, 27A, 17-37.	0.2	48
45	Identification of translational displacements between N-dimensional data sets using the high-order SVD and phase correlation. IEEE Transactions on Image Processing, 2005, 14, 884-889.	6.0	27
46	Non-Fourier-encoded parallel MRI using multiple receiver coils. Magnetic Resonance in Medicine, 2004, 52, 321-328.	1.9	19
47	A subspace identification extension to the phase correlation method. IEEE Transactions on Medical Imaging, 2003, 22, 277-280.	5.4	199
48	Motion Information in the Phase Domain. The Kluwer International Series in Video Computing, 2003, , 36-71.	0.7	3
49	A doubly adaptive approach to dynamic MRI sequence estimation. IEEE Transactions on Image Processing, 2002, 11, 1168-1178.	6.0	7
50	An efficient region of interest acquisition method for dynamic magnetic resonance imaging. IEEE Transactions on Image Processing, 2001, 10, 1118-1128.	6.0	6
51	On the effectiveness of doubly adaptive estimation for dynamic MRI sequence acquisitions. , 0, , .		0
52	Sampling Strategies to Enable Computationally Efficient SPACE-RIP for 3D Parallel MR Imaging. , 0, , .		1
53	Fast Regularized Reconstruction of Non-Uniformly Subsampled Parallel MRI Data. , 0, , .		12