

William Scott Hoge

List of Publications by Year in descending order

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Version: 2024-02-01

53
papers

890
citations

566801

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h-index

500791

28
g-index

54
all docs

54
docs citations

54
times ranked

1125
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 1 | A subspace identification extension to the phase correlation method. IEEE Transactions on Medical Imaging, 2003, 22, 277-280. | 5.4 | 199 |
| 2 | Statistical noise analysis in GRAPPA using a parametrized noncentral Chi approximation model. Magnetic Resonance in Medicine, 2011, 65, 1195-1206. | 1.9 | 85 |
| 3 | 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 |
| 4 | Dual-polarity GRAPPA for simultaneous reconstruction and ghost correction of echo planar imaging data. Magnetic Resonance in Medicine, 2016, 76, 32-44. | 1.9 | 40 |
| 5 | In vivo human whole-brain Connectom diffusion MRI dataset at 760- μm isotropic resolution. Scientific Data, 2021, 8, 122. | 2.4 | 37 |
| 6 | 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 |
| 7 | Robust EPI Nyquist ghost elimination via spatial and temporal encoding. Magnetic Resonance in Medicine, 2010, 64, 1781-1791. | 1.9 | 34 |
| 8 | Collateral nerve fibers in human spinal cord: Visualization with magnetic resonance diffusion tensor imaging. NeuroImage, 2006, 31, 24-30. | 2.1 | 28 |
| 9 | 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 |
| 10 | Prospective motion correction using tracking coils. Magnetic Resonance in Medicine, 2013, 69, 749-759. | 1.9 | 27 |
| 11 | 3D GRASE PROPELLER: Improved image acquisition technique for arterial spin labeling perfusion imaging. Magnetic Resonance in Medicine, 2011, 66, 168-173. | 1.9 | 26 |
| 12 | 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 |
| 13 | Non-Fourier-encoded parallel MRI using multiple receiver coils. Magnetic Resonance in Medicine, 2004, 52, 321-328. | 1.9 | 19 |
| 14 | Multipathway multi-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 |
| 15 | Dynamic distortion correction for functional MRI using FID navigators. Magnetic Resonance in Medicine, 2021, 85, 1294-1307. | 1.9 | 16 |
| 16 | Hybrid MRI-ultrasound acquisitions, and scannerless real-time imaging. Magnetic Resonance in Medicine, 2017, 78, 897-908. | 1.9 | 15 |
| 17 | Dual-polarity slice-GRAPPA for concurrent ghost correction and slice separation in simultaneous multi-slice EPI. Magnetic Resonance in Medicine, 2018, 80, 1364-1375. | 1.9 | 15 |
| 18 | Rapid full-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 |

| # | ARTICLE | IF | CITATIONS |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | Generalized encoding through the use of selective excitation in accelerated parallel MRI. <i>NMR in Biomedicine</i> , 2006, 19, 379-392. | 1.6 | 13 |
| 20 | Fast Regularized Reconstruction of Non-Uniformly Subsampled Parallel MRI Data. , 0, , . | | 12 |
| 21 | A 2D MTF approach to evaluate and guide dynamic imaging developments. <i>Magnetic Resonance in Medicine</i> , 2010, 63, 407-418. | 1.9 | 12 |
| 22 | Comparison of parallel MRI reconstruction methods for accelerated 3D fast spinâ€echo imaging. <i>Magnetic Resonance in Medicine</i> , 2008, 60, 650-660. | 1.9 | 11 |
| 23 | Sampling and recovery of MRI data using low rank tensor models. , 2016, 2016, 448-452. | | 11 |
| 24 | Robust autocalibrated structured lowâ€rank EPI ghost correction. <i>Magnetic Resonance in Medicine</i> , 2021, 85, 3403-3419. | 1.9 | 11 |
| 25 | Diets Varying in Carbohydrate Content Differentially Alter Brain Activity in Homeostatic and Reward Regions in Adults. <i>Journal of Nutrition</i> , 2021, 151, 2465-2476. | 1.3 | 10 |
| 26 | Extension of the UNFOLD method to include free breathing. <i>Magnetic Resonance in Medicine</i> , 2006, 55, 352-362. | 1.9 | 9 |
| 27 | Accurate field mapping in the presence of B_0 inhomogeneities, applied to MR thermometry. <i>Magnetic Resonance in Medicine</i> , 2015, 73, 2142-2151. | 1.9 | 9 |
| 28 | Simultaneous Motion and Distortion Correction Using Dualâ€Echo Diffusionâ€Weighted MRI. <i>Journal of Neuroimaging</i> , 2020, 30, 276-285. | 1.0 | 9 |
| 29 | Pixelâ€based comparison of spinal cord MR diffusion anisotropy with axon packing parameters. <i>Magnetic Resonance in Medicine</i> , 2010, 63, 1510-1519. | 1.9 | 8 |
| 30 | A doubly adaptive approach to dynamic MRI sequence estimation. <i>IEEE Transactions on Image Processing</i> , 2002, 11, 1168-1178. | 6.0 | 7 |
| 31 | Genetic and neural predictors of behavioral weight loss treatment: A preliminary study. <i>Obesity</i> , 2017, 25, 66-75. | 1.5 | 7 |
| 32 | An efficient region of interest acquisition method for dynamic magnetic resonance imaging. <i>IEEE Transactions on Image Processing</i> , 2001, 10, 1118-1128. | 6.0 | 6 |
| 33 | On the Complimentarity of Sense and Grappa in Parallel MR Imaging. , 2006, 2006, 755-8. | | 6 |
| 34 | Retrospectively gated cardiac cine imaging with temporal and spatial acceleration. <i>Magnetic Resonance Imaging</i> , 2011, 29, 457-469. | 1.0 | 6 |
| 35 | Accelerated diffusion and relaxationâ€diffusion MRI using timeâ€division multiplexing EPI. <i>Magnetic Resonance in Medicine</i> , 2021, 86, 2528-2541. | 1.9 | 6 |
| 36 | Hybrid Ultrasound and MRI Acquisitions for High-Speed Imaging of Respiratory Organ Motion. <i>Lecture Notes in Computer Science</i> , 2015, 9349, 315-322. | 1.0 | 6 |

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|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 37 | FAST REGULARIZED RECONSTRUCTION OF NON-UNIFORMLY SUBSAMPLED PARTIAL-FOURIER PARALLEL MRI DATA. , 2007, , . | | 5 |
| 38 | Robust autocalibrated loraks for EPI ghost correction. , 2018, 2018, 663-666. | | 3 |
| 39 | Motion Information in the Phase Domain. The Kluwer International Series in Video Computing, 2003, , 36-71. | 0.7 | 3 |
| 40 | 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 |
| 41 | A method for z-shim compensated EPI-bold imaging in a single shot. , 2013, , . | | 2 |
| 42 | Sampling Strategies to Enable Computationally Efficient SPACE-RIP for 3D Parallel MR Imaging. , 0, , . | | 1 |
| 43 | 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 |
| 44 | RLS-grappa: Reconstructing parallel MRI data with adaptive filters. , 2008, , . | | 1 |
| 45 | Improved PASL EPI acquisitions with parallel imaging and unfold. , 2008, , . | | 1 |
| 46 | Efficient single-shot Z-shim EPI via spatial and temporal encoding. , 2011, , . | | 1 |
| 47 | Diffusionâ€weighted magnetic resonance imaging in rat kidney using twoâ€dimensional navigated, interleaved echoâ€planar imaging at 7.0AT. NMR in Biomedicine, 2022, 35, e4652. | 1.6 | 1 |
| 48 | On the effectiveness of doubly adaptive estimation for dynamic MRI sequence acquisitions. , 0, , . | | 0 |
| 49 | A Study of Parallel MRI Reconstruction Approaches for Sub-Sampled Partial-Fourier Acquisitions. , 2006, , . | | 0 |
| 50 | A method for continuous accelerated echo-planar imaging with self-referenced parallel MR reconstruction and artifact correction. , 2009, , . | | 0 |
| 51 | A dual-polarity grappa kernel for the robust reconstruction of accelerated EPI data. , 2015, , . | | 0 |
| 52 | Orthogonal projections for image quality analyses applied to MRI. Proceedings in Applied Mathematics and Mechanics, 2021, 20, e202000159. | 0.2 | 0 |
| 53 | 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 |