

David A Feinberg

List of Publications by Year in descending order

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49
papers

8,323
citations

159585

30
h-index

223800

46
g-index

50
all docs

50
docs citations

50
times ranked

8404
citing authors

#	ARTICLE	IF	CITATIONS
1	Resting-state fMRI in the Human Connectome Project. <i>NeuroImage</i> , 2013, 80, 144-168.	4.2	1,367
2	Multiplexed Echo Planar Imaging for Sub-Second Whole Brain FMRI and Fast Diffusion Imaging. <i>PLoS ONE</i> , 2010, 5, e15710.	2.5	1,164
3	Advances in diffusion MRI acquisition and processing in the Human Connectome Project. <i>NeuroImage</i> , 2013, 80, 125-143.	4.2	851
4	Pushing spatial and temporal resolution for functional and diffusion MRI in the Human Connectome Project. <i>NeuroImage</i> , 2013, 80, 80-104.	4.2	769
5	Temporally-independent functional modes of spontaneous brain activity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 3131-3136.	7.1	696
6	Evaluation of slice accelerations using multiband echo planar imaging at 3T. <i>NeuroImage</i> , 2013, 83, 991-1001.	4.2	442
7	Ultra-fast MRI of the human brain with simultaneous multi-slice imaging. <i>Journal of Magnetic Resonance</i> , 2013, 229, 90-100.	2.1	399
8	GRASE (Gradient-and Spin-Echo) imaging: A novel fast MRI technique. <i>Magnetic Resonance in Medicine</i> , 1991, 20, 344-349.	3.0	325
9	Single-shot 3D imaging techniques improve arterial spin labeling perfusion measurements. <i>Magnetic Resonance in Medicine</i> , 2005, 54, 491-498.	3.0	267
10	Layer-Specific fMRI Reflects Different Neuronal Computations at Different Depths in Human V1. <i>PLoS ONE</i> , 2012, 7, e32536.	2.5	172
11	Real-time magnetic resonance imaging of laser heat deposition in tissue. <i>Magnetic Resonance in Medicine</i> , 1991, 21, 132-137.	3.0	147
12	Phase errors in multi-shot echo planar imaging. <i>Magnetic Resonance in Medicine</i> , 1994, 32, 535-539.	3.0	118
13	The rapid development of high speed, resolution and precision in fMRI. <i>NeuroImage</i> , 2012, 62, 720-725.	4.2	109
14	Continuous arterial spin labeling perfusion measurements using single shot 3D GRASE at 3 T. <i>Magnetic Resonance in Medicine</i> , 2005, 54, 1241-1247.	3.0	100
15	Magnetic Resonance Imaging the Velocity Vector Components of Fluid Flow. <i>Magnetic Resonance in Medicine</i> , 1985, 2, 555-566.	3.0	99
16	Measuring the Effects of Remifentanyl on Cerebral Blood Flow and Arterial Arrival Time Using 3D Grase MRI with Pulsed Arterial Spin Labelling. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2008, 28, 1514-1522.	4.3	89
17	Dynamics of respiratory and cardiac CSF motion revealed with real-time simultaneous multi-slice EPI velocity phase contrast imaging. <i>NeuroImage</i> , 2015, 122, 281-287.	4.2	87
18	Simultaneous echo refocusing in EPI. <i>Magnetic Resonance in Medicine</i> , 2002, 48, 1-5.	3.0	86

#	ARTICLE	IF	CITATIONS
19	Rapid brain MRI acquisition techniques at ultra-high fields . NMR in Biomedicine, 2016, 29, 1198-1221.	2.8	86
20	Cerebral Blood Flow, Blood Volume, and Oxygen Metabolism Dynamics in Human Visual and Motor Cortex as Measured by Whole-Brain Multi-Modal Magnetic Resonance Imaging. Journal of Cerebral Blood Flow and Metabolism, 2009, 29, 1856-1866.	4.3	84
21	Echo-planar imaging with asymmetric gradient modulation and inner-volume excitation. Magnetic Resonance in Medicine, 1990, 13, 162-169.	3.0	82
22	Minimizing acquisition time of arterial spin labeling at 3T. Magnetic Resonance in Medicine, 2008, 59, 1467-1471.	3.0	77
23	Functional mapping of the magnocellular and parvocellular subdivisions of human LGN. NeuroImage, 2014, 102, 358-369.	4.2	75
24	Sub-millimeter T2 weighted fMRI at 7 T: comparison of 3D-GRASE and 2D SE-EPI. Frontiers in Neuroscience, 2015, 9, 163.	2.8	70
25	Halving imaging time of whole brain diffusion spectrum imaging and diffusion tractography using simultaneous image refocusing in EPI. Journal of Magnetic Resonance Imaging, 2009, 29, 517-522.	3.4	53
26	Imaging mesial temporal lobe activation during scene encoding: Comparison of fMRI using BOLD and arterial spin labeling. Human Brain Mapping, 2007, 28, 1391-1400.	3.6	50
27	Arterial spin labeling with simultaneous multi-slice echo planar imaging. Magnetic Resonance in Medicine, 2013, 70, 1500-1506.	3.0	46
28	GRASE Improves Spatial Resolution in Single Shot Imaging. Magnetic Resonance in Medicine, 1995, 33, 529-533.	3.0	44
29	Phase contrast MRI of myocardial 3D strain by encoding contiguous slices in a single shot. Magnetic Resonance in Medicine, 2002, 47, 665-676.	3.0	43
30	Tissue perfusion in humans studied by fourier velocity distribution, line scan, and echo-planar imaging. Magnetic Resonance in Medicine, 1990, 16, 280-293.	3.0	39
31	Pushing the limits of ultra-high resolution human brain imaging with SMS-EPI demonstrated for columnar level fMRI. NeuroImage, 2018, 164, 155-163.	4.2	35
32	Comparison of BOLD and CBV using 3D EPI and 3D GRASE for cortical layer functional MRI at 7 T. Magnetic Resonance in Medicine, 2020, 84, 3128-3145.	3.0	33
33	Single-Shot GRASE Imaging without Fast Gradients. Magnetic Resonance in Medicine, 1992, 26, 355-360.	3.0	29
34	A comparison of phase encoding ordering schemes in T2-weighted GRASE imaging. Magnetic Resonance in Medicine, 1996, 36, 427-435.	3.0	23
35	High Resolution GRASE MRI of the Brain and Spine. Journal of Computer Assisted Tomography, 1995, 19, 1-7.	0.9	22
36	Increased flexibility in GRASE imaging by k space-banded phase encoding. Magnetic Resonance in Medicine, 1995, 34, 149-155.	3.0	22

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37	Gradient-echo shifting in fast MRI techniques (ERASE imaging) for correction of field inhomogeneity errors and chemical shift. Journal of Magnetic Resonance, 1992, 97, 177-183.	0.5	18
38	Dual contrast GRASE (gradient-spin echo) imaging using mixed bandwidth. Magnetic Resonance in Medicine, 1994, 31, 461-464.	3.0	17
39	Highly accelerated submillimeter resolution 3D GRASE with controlled blurring in ω -weighted functional MRI at 7 Tesla: A feasibility study. Magnetic Resonance in Medicine, 2021, 85, 2490-2506.	3.0	17
40	Simultaneous spin-echo refocusing. Magnetic Resonance in Medicine, 2005, 54, 513-523.	3.0	15
41	Evaluation of SLIce Dithered Enhanced Resolution Simultaneous MultiSlice (SLIDER-SMS) for human fMRI. NeuroImage, 2018, 164, 164-171.	4.2	15
42	Multiple breath-hold averaging (mba) method for increased snr in abdominal mri. Magnetic Resonance in Medicine, 1995, 34, 905-909.	3.0	12
43	Single-shot GRASE imaging with short effective TEs. Journal of Magnetic Resonance Imaging, 1996, 6, 944-947.	3.4	9
44	Virtual slice concept for improved simultaneous multi-slice MRI employing an extended leakage constraint. Magnetic Resonance in Medicine, 2019, 82, 377-386.	3.0	5
45	VET imaging: Magnetic resonance imaging with variable encoding time. Magnetic Resonance in Medicine, 1997, 38, 7-14.	3.0	4
46	ULTRAFast MAGNETIC RESONANCE: A New Window on Brain Research. Science, 1998, 279, 1965-1966.	12.6	4
47	A 128-channel head coil array for cortical imaging at 7 Tesla. , 2021, , .		3
48	Simultaneous Multi-VENC and Simultaneous Multi-Slice Phase Contrast Magnetic Resonance Imaging. IEEE Transactions on Medical Imaging, 2020, 39, 742-752.	8.9	0
49	The Role of Cerebral Metabolism in Improving Time Pressured Decisions. Frontiers in Psychology, 2021, 12, 690198.	2.1	0