

Corey A Baron

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

655
citations

759055

12
h-index

610775

24
g-index

40
all docs

40
docs citations

40
times ranked

951
citing authors

#	ARTICLE	IF	CITATIONS
1	Oscillating gradient spin-echo (OGSE) diffusion tensor imaging of the human brain. <i>Magnetic Resonance in Medicine</i> , 2014, 72, 726-736.	1.9	101
2	Reduction of Diffusion-Weighted Imaging Contrast of Acute Ischemic Stroke at Short Diffusion Times. <i>Stroke</i> , 2015, 46, 2136-2141.	1.0	76
3	Amygdala subnuclei response and connectivity during emotional processing. <i>NeuroImage</i> , 2016, 133, 98-110.	2.1	73
4	The effect of concomitant gradient fields on diffusion tensor imaging. <i>Magnetic Resonance in Medicine</i> , 2012, 68, 1190-1201.	1.9	56
5	Rapid compressed sensing reconstruction of 3D non-Cartesian MRI. <i>Magnetic Resonance in Medicine</i> , 2018, 79, 2685-2692.	1.9	42
6	Nonrigid Motion Correction With 3D Image-Based Navigators for Coronary MR Angiography. <i>Magnetic Resonance in Medicine</i> , 2017, 77, 1884-1893.	1.9	34
7	3D image-based navigators for coronary MR angiography. <i>Magnetic Resonance in Medicine</i> , 2017, 77, 1874-1883.	1.9	33
8	Diffusion dispersion imaging: Mapping oscillating gradient spin-echo frequency dependence in the human brain. <i>Magnetic Resonance in Medicine</i> , 2020, 83, 2197-2208.	1.9	32
9	Reconstruction of undersampled 3D non-Cartesian image-based navigators for coronary MRA using an unrolled deep learning model. <i>Magnetic Resonance in Medicine</i> , 2020, 84, 800-812.	1.9	30
10	Acquisition strategy to reduce cerebrospinal fluid partial volume effects for improved DTI tractography. <i>Magnetic Resonance in Medicine</i> , 2015, 73, 1075-1084.	1.9	22
11	Diffusion time dependency along the human corpus callosum and exploration of age and sex differences as assessed by oscillating gradient spin-echo diffusion tensor imaging. <i>NeuroImage</i> , 2020, 210, 116533.	2.1	15
12	Automatic determination of the regularization weighting for wavelet-based compressed sensing MRI reconstructions. <i>Magnetic Resonance in Medicine</i> , 2021, 86, 1403-1419.	1.9	14
13	A plasmonic random composite with atypical refractive index. <i>Optics Express</i> , 2009, 17, 1016.	1.7	11
14	Fast variable density Poisson-disc sample generation with directional variation for compressed sensing in MRI. <i>Magnetic Resonance Imaging</i> , 2021, 77, 186-193.	1.0	11
15	Evaluating High Spatial Resolution Diffusion Kurtosis Imaging at $3T$: Reproducibility and Quality of Fit. <i>Journal of Magnetic Resonance Imaging</i> , 2021, 53, 1175-1187.	1.9	10
16	Isotropic photonic magnetoresistance. <i>Applied Physics Letters</i> , 2007, 90, 121122.	1.5	9
17	A 360° angularly ranging time-domain terahertz spectroscopy system. <i>Measurement Science and Technology</i> , 2008, 19, 065602.	1.4	7
18	Active plasmonic devices via electron spin. <i>Optics Express</i> , 2009, 17, 7117.	1.7	7

#	ARTICLE	IF	CITATIONS
19	Whole-heart coronary MR angiography using a 3D cones phyllotaxis trajectory. <i>Magnetic Resonance in Medicine</i> , 2019, 81, 1092-1103.	1.9	7
20	Motion robust GRAPPA for echo-planar imaging. <i>Magnetic Resonance in Medicine</i> , 2016, 75, 1166-1174.	1.9	6
21	Mitigation of near-band balanced steady-state free precession through-plane flow artifacts using partial dephasing. <i>Magnetic Resonance in Medicine</i> , 2018, 79, 2944-2953.	1.9	6
22	A magnetically active terahertz plasmonic artificial material. <i>Applied Physics Letters</i> , 2009, 94, 071115.	1.5	5
23	The effect of a semiconductor-metal interface on localized terahertz plasmons. <i>Applied Physics Letters</i> , 2011, 98, 111106.	1.5	5
24	Test-retest reproducibility of in vivo oscillating gradient and microscopic anisotropy diffusion MRI in mice at 9.4 Tesla. <i>PLoS ONE</i> , 2021, 16, e0255711.	1.1	5
25	Integration of an RF coil and commercial field camera for ultrahigh-field MRI. <i>Magnetic Resonance in Medicine</i> , 2022, 87, 2551-2565.	1.9	5
26	Characterization and correction of time-varying eddy currents for diffusion MRI. <i>Magnetic Resonance in Medicine</i> , 2022, 87, 2209-2223.	1.9	5
27	Design and characterization of a 3D-printed axon-mimetic phantom for diffusion MRI. <i>Magnetic Resonance in Medicine</i> , 2021, 86, 2482-2496.	1.9	4
28	B_0 mapping using rewinding trajectories (BMART). <i>Magnetic Resonance in Medicine</i> , 2017, 78, 664-669.	1.9	3
29	Utilizing the wavelet transform's structure in compressed sensing. <i>Signal, Image and Video Processing</i> , 2021, 15, 1407-1414.	1.7	3
30	Design and evaluation of a diffusion MRI fibre phantom using 3D printing. , 2018, , .		3
31	Bandwidth-free balanced SSFP cardiac cine using frequency modulation and phase cycle redundancy. <i>Magnetic Resonance in Medicine</i> , 2019, 82, 1604-1616.	1.9	2
32	Enabling Complex Fibre Geometries Using 3D Printed Axon-Mimetic Phantoms. <i>Frontiers in Neuroscience</i> , 2022, 16, 833209.	1.4	2
33	Combined T2 preparation and multidimensional outer volume suppression for coronary artery imaging with 3D cones trajectories. <i>Magnetic Resonance in Medicine</i> , 2020, 83, 2221-2231.	1.9	1
34	Test-Retest Reproducibility of In Vivo Magnetization Transfer Ratio and Saturation Index in Mice at 9.4 Tesla. <i>Journal of Magnetic Resonance Imaging</i> , 2022, 56, 893-903.	1.9	1