

# Corey A Baron

## List of Publications by Year in descending order

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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	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
2	Enabling Complex Fibre Geometries Using 3D Printed Axon-Mimetic Phantoms. <i>Frontiers in Neuroscience</i> , 2022, 16, 833209.	1.4	2
3	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
4	Characterization and correction of time-varying eddy currents for diffusion MRI. <i>Magnetic Resonance in Medicine</i> , 2022, 87, 2209-2223.	1.9	5
5	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
6	Evaluating High Spatial Resolution Diffusion Kurtosis Imaging at $<sc>3T</sc>$ : Reproducibility and Quality of Fit. <i>Journal of Magnetic Resonance Imaging</i> , 2021, 53, 1175-1187.	1.9	10
7	Utilizing the wavelet transform's structure in compressed sensing. <i>Signal, Image and Video Processing</i> , 2021, 15, 1407-1414.	1.7	3
8	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
9	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
10	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
11	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
12	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
13	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
14	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
15	Banding-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
16	Whole-heart coronary MR angiography using a 3D cones phyllotaxis trajectory. <i>Magnetic Resonance in Medicine</i> , 2019, 81, 1092-1103.	1.9	7
17	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
18	Rapid compressed sensing reconstruction of 3D non-Cartesian MRI. <i>Magnetic Resonance in Medicine</i> , 2018, 79, 2685-2692.	1.9	42

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19	Design and evaluation of a diffusion MRI fibre phantom using 3D printing. , 2018, , .		3
20	3D image-based navigators for coronary MR angiography. Magnetic Resonance in Medicine, 2017, 77, 1874-1883.	1.9	33
21	Nonrigid Motion Correction With 3D Image-Based Navigators for Coronary MR Angiography. Magnetic Resonance in Medicine, 2017, 77, 1884-1893.	1.9	34
22	B <sub>0</sub> mapping using rewinding trajectories (BMART). Magnetic Resonance in Medicine, 2017, 78, 664-669.	1.9	3
23	Motion robust GRAPPA for echo-planar imaging. Magnetic Resonance in Medicine, 2016, 75, 1166-1174.	1.9	6
24	Amygdala subnuclei response and connectivity during emotional processing. NeuroImage, 2016, 133, 98-110.	2.1	73
25	Acquisition strategy to reduce cerebrospinal fluid partial volume effects for improved DTI tractography. Magnetic Resonance in Medicine, 2015, 73, 1075-1084.	1.9	22
26	Reduction of Diffusion-Weighted Imaging Contrast of Acute Ischemic Stroke at Short Diffusion Times. Stroke, 2015, 46, 2136-2141.	1.0	76
27	Oscillating gradient spin-echo (OGSE) diffusion tensor imaging of the human brain. Magnetic Resonance in Medicine, 2014, 72, 726-736.	1.9	101
28	The effect of concomitant gradient fields on diffusion tensor imaging. Magnetic Resonance in Medicine, 2012, 68, 1190-1201.	1.9	56
29	The effect of a semiconductor-metal interface on localized terahertz plasmons. Applied Physics Letters, 2011, 98, 111106.	1.5	5
30	A magnetically active terahertz plasmonic artificial material. Applied Physics Letters, 2009, 94, 071115.	1.5	5
31	A plasmonic random composite with atypical refractive index. Optics Express, 2009, 17, 1016.	1.7	11
32	Active plasmonic devices via electron spin. Optics Express, 2009, 17, 7117.	1.7	7
33	A 360° angularly ranging time-domain terahertz spectroscopy system. Measurement Science and Technology, 2008, 19, 065602.	1.4	7
34	Isotropic photonic magnetoresistance. Applied Physics Letters, 2007, 90, 121122.	1.5	9