Steven Baete

List of Publications by Year
in descending order

30 papers	780 citations	706676 14 h-index	591227 27 g-index
32 all docs	32 docs citations	32 times ranked	1448 citing authors

#	Article	IF	Citations
1	<scp>Three</scp>â€<scp>Dimensional</scp> Printed Anatomic Models Derived From Magnetic Resonance Imaging Data: Current State and Image Acquisition Recommendations for Appropriate Clinical Scenarios. Journal of Magnetic Resonance Imaging, 2022, 55, 1060-1081.	1.9	12
2	T1 and T2 quantification using magnetic resonance fingerprinting in mild traumatic brain injury. European Radiology, 2022, 32, 1308-1319.	2.3	4
3	Performance of orientation distribution functionâ€fingerprinting with a biophysical multicompartment diffusion model. Magnetic Resonance in Medicine, 2022, 88, 418-435.	1.9	3
4	Reproducibility of the Standard Model of diffusion in white matter on clinical MRI systems. NeuroImage, 2022, 257, 119290.	2.1	15
5	Insights from the IronTract challenge: Optimal methods for mapping brain pathways from multi-shell diffusion MRI. NeuroImage, 2022, 257, 119327.	2.1	17
6	CGâ€SENSE revisited: Results from the first ISMRM reproducibility challenge. Magnetic Resonance in Medicine, 2021, 85, 1821-1839.	1.9	22
7	Global decrease in brain sodium concentration after mild traumatic brain injury. Brain Communications, 2021, 3, fcab051.	1.5	12
8	Cortical and subcortical signatures of conscious object recognition. Nature Communications, 2021, 12, 2930.	5.8	27
9	Lower extremity MRI following 10-week supervised exercise intervention in patients with diabetic peripheral neuropathy. BMJ Open Diabetes Research and Care, 2021, 9, e002312.	1.2	5
10	Mapping brainâ€“behavior networks using functional and structural connectome fingerprinting in the HCP dataset. Brain and Behavior, 2020, 10, e01647.	1.0	24
11	Fingerprinting Orientation Distribution Functions in diffusion MRI detects smaller crossing angles. NeuroImage, 2019, 198, 231-241.	2.1	11
12	Using fMRI connectivity to define a treatment-resistant form of post-traumatic stress disorder. Science Translational Medicine, 2019, 11, .	5.8	65
13	Low Rank plus Sparse decomposition of ODFs for improved detection of group-level differences and variable correlations in white matter. NeuroImage, 2018, 174, 138-152.	2.1	8
14	Accelerated radial diffusion spectrum imaging using a multiâ€echo stimulated echo diffusion sequence. Magnetic Resonance in Medicine, 2018, 79, 306-316.	1.9	7
15	MRI assessment of the thigh musculature in dermatomyositis and healthy subjects using diffusion tensor imaging, intravoxel incoherent motion and dynamic DTI. European Radiology, 2018, 28, 5304-5315.	2.3	24
16	Validation of surfaceâ€toâ€volume ratio measurements derived from oscillating gradient spin echo on a clinical scanner using anisotropic fiber phantoms. NMR in Biomedicine, 2017, 30, e3708.	1.6	16
17	Radial qâ€space sampling for DSI. Magnetic Resonance in Medicine, 2016, 76, 769-780.	1.9	16
18	Evaluation of breast cancer using intravoxel incoherent motion (IVIM) histogram analysis: comparison with malignant status, histological subtype, and molecular prognostic factors. European Radiology, 2016, 26, 2547-2558.	2.3	122

#	Article	IF	Citations
19	Comparison of fitting methods and bâ€value sampling strategies for intravoxel incoherent motion in breast cancer. Magnetic Resonance in Medicine, 2015, 74, 1077-1085.	1.9	95
20	Dynamic diffusion-tensor measurements in muscle tissue using the single-line multiple-echo diffusion-tensor acquisition technique at 3T. NMR in Biomedicine, 2015, 28, 667-678.	1.6	8
21	Comparison of contrast enhancement and diffusion-weighted magnetic resonance imaging in healthy and cancerous breast tissue. European Journal of Radiology, 2015, 84, 1888-1893.	1.2	16
22	A modelâ€based reconstruction for undersampled radial spinâ€echo DTI with variational penalties on the diffusion tensor. NMR in Biomedicine, 2015, 28, 353-366.	1.6	39
23	Time-dependent diffusion in skeletal muscle with the random permeable barrier model (RPBM): application to normal controls and chronic exertional compartment syndrome patients. NMR in Biomedicine, 2014, 27, 519-528.	1.6	71
24	Multipleâ€echo diffusion tensor acquisition technique (MEDITATE) on a 3T clinical scanner. NMR in Biomedicine, 2013, 26, 1471-1483.	1.6	9
25	Stimulated echo diffusion tensor imaging and SPAIR T₂â€weighted imaging in chronic exertional compartment syndrome of the lower leg muscles. Journal of Magnetic Resonance Imaging, 2013, 38, 1073-1082.	1.9	44
26	19F MRI oximetry: simulation of perfluorocarbon distribution impact. Physics in Medicine and Biology, 2011, 56, 2535-2557.	1.6	10
27	Radio-physical properties of micelle leucodye 3D integrating gel dosimeters. Physics in Medicine and Biology, 2011, 56, 627-651.	1.6	53
28	An oxygen-consuming phantom simulating perfused tissue to explore oxygen dynamics and 19F MRI oximetry. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2010, 23, 217-226.	1.1	8
29	Random walk simulation of R2-dispersion in foam microstructures. IFMBE Proceedings, 2009, , 2459-2463.	0.2	0
30	Microstructural analysis of foam by use of NMR R2 dispersion. Journal of Magnetic Resonance, 2008, 193, 286-296.	1.2	16