Stephan E Maier

List of Publications by Year
in descending order

38 papers	2,341 citations	430442 18 h-index	329751 37 g-index
39 all docs	39 docs citations	39 times ranked	2578 citing authors

#	Article	IF	Citations
1	Microstructural Development of Human Newborn Cerebral White Matter Assessed in Vivo by Diffusion Tensor Magnetic Resonance Imaging. Pediatric Research, 1998, 44, 584-590.	1.1	649
2	Multi-component apparent diffusion coefficients in human brain. NMR in Biomedicine, 1999, 12, 51-62.	1.6	339
3	Line scan diffusion imaging. Magnetic Resonance in Medicine, 1996, 36, 509-519.	1.9	241
4	Diffusion imaging of brain tumors. NMR in Biomedicine, 2010, 23, 849-864.	1.6	151
5	Biexponential characterization of prostate tissue water diffusion decay curves over an extended b-factor range. Magnetic Resonance Imaging, 2006, 24, 563-568.	1.0	115
6	Multi-component apparent diffusion coefficients in human brain: Relationship to spin-lattice relaxation. Magnetic Resonance in Medicine, 2000, 44, 292-300.	1.9	96
7	Biexponential diffusion tensor analysis of human brain diffusion data. Magnetic Resonance in Medicine, 2004, 51, 321-330.	1.9	90
8	MR-guided percutaneous angioplasty: Assessment of tracking safety, catheter handling and functionality. CardioVascular and Interventional Radiology, 1998, 21, 404-410.	0.9	85
9	Diffusion Tensor Imaging of the Spinal Cord. Annals of the New York Academy of Sciences, 2005, 1064, 50-60.	1.8	68
10	Three‐dimensional printing of MRI‐visible phantoms and MR image‐guided therapy simulation. Magnetic Resonance in Medicine, 2017, 77, 613-622.	1.9	61
11	Intraoperative diffusion imaging on a 0.5 Tesla interventional scanner. Journal of Magnetic Resonance Imaging, 2001, 13, 115-119.	1.9	55
12	Line scan diffusion tensor MRI of the cervical spinal cord in preterm infants. Journal of Magnetic Resonance Imaging, 2001, 13, 949-953.	1.9	46
13	Biexponential analysis of diffusion-related signal decay in normal human cortical and deep gray matter. Magnetic Resonance Imaging, 2008, 26, 897-904.	1.0	44
14	Prostate cancer discrimination in the peripheral zone with a reduced field-of-view T2-mapping MRI sequence. Magnetic Resonance Imaging, 2015, 33, 525-530.	1.0	42
15	Examination of spinal cord tissue architecture with magnetic resonance diffusion tensor imaging. Neurotherapeutics, 2007, 4, 453-459.	2.1	27
16	Slab scan diffusion imaging. Magnetic Resonance in Medicine, 2001, 46, 1136-1143.	1.9	24
17	Bi- or multiparametric MRI in a sequential screening program for prostate cancer with PSA followed by MRI? Results from the Göteborg prostate cancer screening 2 trial. European Radiology, 2021, 31, 8692-8702.	2.3	24
18	Characterization of normal brain and brain tumor pathology by chisquares parameter maps of diffusion-weighted image data. European Journal of Radiology, 2003, 45, 199-207.	1.2	20

#	Article	IF	Citations
19	Double line scan diffusion imaging. Magnetic Resonance in Medicine, 1997, 38, 101-109.	1.9	19
20	Evaluation of fitting models for prostate tissue characterization using extended-range b-factor diffusion-weighted imaging. Magnetic Resonance in Medicine, 2018, 79, 2346-2358.	1.9	19
21	Probing in vivo cortical myeloarchitecture in humans via line-scan diffusion acquisitions at 7 T with 250-500 micron radial resolution. Magnetic Resonance in Medicine, 2021, 85, 390-403.	1.9	18
22	Prostate Cancer Screening with Magnetic Resonance Imaging: Results from the Second Round of the Göteborg Prostate Cancer Screening 2 Trial. European Urology Oncology, 2022, 5, 54-60.	2.6	12
23	Motion robust imaging for continuous intraoperative MRI. Journal of Magnetic Resonance Imaging, 2001, 13, 158-161.	1.9	11
24	On the perils of multiexponential fitting of diffusion MR data. Journal of Magnetic Resonance Imaging, 2017, 45, 1545-1547.	1.9	10
25	Segmented diffusion-weighted imaging of the prostate: Application to transperineal in-bore 3T MR image-guided targeted biopsy. Magnetic Resonance Imaging, 2016, 34, 1146-1154.	1.0	9
26	Fast diffusion imaging with high angular resolution. Magnetic Resonance in Medicine, 2017, 77, 696-706.	1.9	9
27	Accelerated Segmented Diffusion-Weighted Prostate Imaging for Higher Resolution, Higher Geometric Fidelity, and Multi-b Perfusion Estimation. Investigative Radiology, 2019, 54, 238-246.	3.5	9
28	Validity and reliability of the medial temporal lobe atrophy scale in a memory clinic population. BMC Neurology, 2021, 21, 289.	0.8	9
29	Multicomponent T2 relaxation studies of the avian egg. Magnetic Resonance in Medicine, 2016, 75, 2156-2164.	1.9	7
30	Prostate Cancer <scp>Diffusion-Weighted Magnetic Resonance Imaging</scp>: Does the Choice of <scp>Diffusion-Weighting</scp> Level Matter?. Journal of Magnetic Resonance Imaging, 2022, 55, 842-853.	1.9	7
31	Brain diffusion MRI with multiplexed sensitivity encoding for reduced distortion in a pediatric patient population. Magnetic Resonance Imaging, 2022, 87, 97-103.	1.0	7
32	Avian egg latebra as brain tissue water diffusion model. Magnetic Resonance in Medicine, 2014, 72, 501-509.	1.9	5
33	Optimized bias and signal inference in diffusion-weighted image analysis (OBSIDIAN). Magnetic Resonance in Medicine, 2021, 86, 2716-2732.	1.9	4
34	Optimal Experiment Design for Monoexponential Model Fitting: Application to Apparent Diffusion Coefficient Imaging. BioMed Research International, 2015, 2015, 1-9.	0.9	3
35	Improved spatial localization in magnetic resonance spectroscopic imaging with two-dimensional PSF-Choice encoding. Journal of Magnetic Resonance, 2018, 290, 18-28.	1.2	3
36	Three-dimensional printing of MRI-visible phantoms and MR image-guided therapy simulation. Magnetic Resonance in Medicine, 2017, 77, C1.	1.9	2

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37	K-Optimal Gradient Encoding Scheme for Fourth-Order Tensor-Based Diffusion Profile Imaging. BioMed Research International, 2015, 2015, 1-10.	0.9	1
38	A novel framework for repeated measurements in diffusion tensor imaging. , 2016, , .		0