

Stephan E Maier

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

2,341
citations

430442

18
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329751

37
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39
all docs

39
docs citations

39
times ranked

2578
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Prostate Cancer Screening with Magnetic Resonance Imaging: Results from the Second Round of the Göteborg Prostate Cancer Screening 2 Trial. <i>European Urology Oncology</i> , 2022, 5, 54-60. | 2.6 | 12 |
| 2 | Prostate Cancer <sc>Diffusion-Weighted Magnetic Resonance Imaging</sc>: Does the Choice of <sc>Diffusion-Weighting</sc> Level Matter?. <i>Journal of Magnetic Resonance Imaging</i> , 2022, 55, 842-853. | 1.9 | 7 |
| 3 | Brain diffusion MRI with multiplexed sensitivity encoding for reduced distortion in a pediatric patient population. <i>Magnetic Resonance Imaging</i> , 2022, 87, 97-103. | 1.0 | 7 |
| 4 | Probing in vivo cortical myeloarchitecture in humans via line-scan diffusion acquisitions at 7 T with 250-500 micron radial resolution. <i>Magnetic Resonance in Medicine</i> , 2021, 85, 390-403. | 1.9 | 18 |
| 5 | 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. <i>European Radiology</i> , 2021, 31, 8692-8702. | 2.3 | 24 |
| 6 | Optimized bias and signal inference in diffusion-weighted image analysis (OBSIDIAN). <i>Magnetic Resonance in Medicine</i> , 2021, 86, 2716-2732. | 1.9 | 4 |
| 7 | Validity and reliability of the medial temporal lobe atrophy scale in a memory clinic population. <i>BMC Neurology</i> , 2021, 21, 289. | 0.8 | 9 |
| 8 | Accelerated Segmented Diffusion-Weighted Prostate Imaging for Higher Resolution, Higher Geometric Fidelity, and Multi-b Perfusion Estimation. <i>Investigative Radiology</i> , 2019, 54, 238-246. | 3.5 | 9 |
| 9 | Improved spatial localization in magnetic resonance spectroscopic imaging with two-dimensional PSF-choice encoding. <i>Journal of Magnetic Resonance</i> , 2018, 290, 18-28. | 1.2 | 3 |
| 10 | Evaluation of fitting models for prostate tissue characterization using extended-range factor diffusion-weighted imaging. <i>Magnetic Resonance in Medicine</i> , 2018, 79, 2346-2358. | 1.9 | 19 |
| 11 | Fast diffusion imaging with high angular resolution. <i>Magnetic Resonance in Medicine</i> , 2017, 77, 696-706. | 1.9 | 9 |
| 12 | Three-dimensional printing of MRI-visible phantoms and MR image-guided therapy simulation. <i>Magnetic Resonance in Medicine</i> , 2017, 77, 613-622. | 1.9 | 61 |
| 13 | Three-dimensional printing of MRI-visible phantoms and MR image-guided therapy simulation. <i>Magnetic Resonance in Medicine</i> , 2017, 77, C1. | 1.9 | 2 |
| 14 | On the perils of multiexponential fitting of diffusion MR data. <i>Journal of Magnetic Resonance Imaging</i> , 2017, 45, 1545-1547. | 1.9 | 10 |
| 15 | Multicomponent T2 relaxation studies of the avian egg. <i>Magnetic Resonance in Medicine</i> , 2016, 75, 2156-2164. | 1.9 | 7 |
| 16 | A novel framework for repeated measurements in diffusion tensor imaging. , 2016, , . | | 0 |
| 17 | Segmented diffusion-weighted imaging of the prostate: Application to transperineal in-bore 3T MR image-guided targeted biopsy. <i>Magnetic Resonance Imaging</i> , 2016, 34, 1146-1154. | 1.0 | 9 |
| 18 | Optimal Experiment Design for Monoexponential Model Fitting: Application to Apparent Diffusion Coefficient Imaging. <i>BioMed Research International</i> , 2015, 2015, 1-9. | 0.9 | 3 |

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|----|---|-----|-----------|
| 19 | K-Optimal Gradient Encoding Scheme for Fourth-Order Tensor-Based Diffusion Profile Imaging. BioMed Research International, 2015, 2015, 1-10. | 0.9 | 1 |
| 20 | 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 |
| 21 | Avian egg latebra as brain tissue water diffusion model. Magnetic Resonance in Medicine, 2014, 72, 501-509. | 1.9 | 5 |
| 22 | Diffusion imaging of brain tumors. NMR in Biomedicine, 2010, 23, 849-864. | 1.6 | 151 |
| 23 | 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 |
| 24 | Examination of spinal cord tissue architecture with magnetic resonance diffusion tensor imaging. Neurotherapeutics, 2007, 4, 453-459. | 2.1 | 27 |
| 25 | 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 |
| 26 | Diffusion Tensor Imaging of the Spinal Cord. Annals of the New York Academy of Sciences, 2005, 1064, 50-60. | 1.8 | 68 |
| 27 | Biexponential diffusion tensor analysis of human brain diffusion data. Magnetic Resonance in Medicine, 2004, 51, 321-330. | 1.9 | 90 |
| 28 | 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 |
| 29 | 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 |
| 30 | Slab scan diffusion imaging. Magnetic Resonance in Medicine, 2001, 46, 1136-1143. | 1.9 | 24 |
| 31 | Intraoperative diffusion imaging on a 0.5 Tesla interventional scanner. Journal of Magnetic Resonance Imaging, 2001, 13, 115-119. | 1.9 | 55 |
| 32 | Motion robust imaging for continuous intraoperative MRI. Journal of Magnetic Resonance Imaging, 2001, 13, 158-161. | 1.9 | 11 |
| 33 | Multi-component apparent diffusion coefficients in human brain: Relationship to spin-lattice relaxation. Magnetic Resonance in Medicine, 2000, 44, 292-300. | 1.9 | 96 |
| 34 | Multi-component apparent diffusion coefficients in human brain. NMR in Biomedicine, 1999, 12, 51-62. | 1.6 | 339 |
| 35 | MR-guided percutaneous angioplasty: Assessment of tracking safety, catheter handling and functionality. CardioVascular and Interventional Radiology, 1998, 21, 404-410. | 0.9 | 85 |
| 36 | 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 |

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|----|--|-----|-----------|
| 37 | Double line scan diffusion imaging. <i>Magnetic Resonance in Medicine</i> , 1997, 38, 101-109. | 1.9 | 19 |
| 38 | Line scan diffusion imaging. <i>Magnetic Resonance in Medicine</i> , 1996, 36, 509-519. | 1.9 | 241 |