

# Jrgen Hennig

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

436  
papers

20,515  
citations

72  
h-index

125  
g-index

456  
ext. papers

22,875  
ext. citations

4.8  
avg, IF

6.59  
L-index

| #   | Paper   | IF   | Citations |
|-----|---|------|-----------|
| 436 | Influence of Pulse Wave Velocity on Atherosclerosis and Blood Flow Reversal in the Aorta: A 4-Dimensional Flow Magnetic Resonance Imaging Study in Acute Stroke Patients and Matched Controls. <i>Journal of Thoracic Imaging</i> , <b>2022</b> , 37, 42-48 | 5.6  | 1         |
| 435 | Selective excitation of hydrogen doubles the yield and improves the robustness of parahydrogen-induced polarization of low- $\gamma$ nuclei. <i>Physical Chemistry Chemical Physics</i> , <b>2021</b> , 23, 26645-26652                                     | 23.6 | 4         |
| 434 | Carotid Geometry and Wall Shear Stress Independently Predict Increased Wall Thickness-A Longitudinal 3D MRI Study in High-Risk Patients. <i>Frontiers in Cardiovascular Medicine</i> , <b>2021</b> , 8, 723860  | 5.4  | 0         |
| 433 | Strategies to improve intrabrain prospective motion correction for turbo spin-echo sequences with constant flip angles. <i>Magnetic Resonance in Medicine</i> , <b>2021</b> , 86, 852-865   | 4.4  | 2         |
| 432 | Trading off spatio-temporal properties in 3D high-speed fMRI using interleaved stack-of-spirals trajectories. <i>Magnetic Resonance in Medicine</i> , <b>2021</b> , 86, 777-790   | 4.4  |           |
| 431 | Cardiovascular brain impulses in Alzheimer's disease. <i>Brain</i> , <b>2021</b> , 144, 2214-2226   | 11.2 | 12        |
| 430 | Parametric Sequential Method for MRI-Based Wall Shear Stress Quantification. <i>IEEE Transactions on Medical Imaging</i> , <b>2021</b> , 40, 1105-1112  | 11.7 |           |
| 429 | Positive psychology interventions in in-patients with depression: influences of comorbidity and subjective evaluation of the training programme. <i>BJPsych Open</i> , <b>2021</b> , 7, e109  | 5    | 1         |
| 428 | The ventral pathway of the human brain: A continuous association tract system. <i>NeuroImage</i> , <b>2021</b> , 234, 117977  | 7.9  | 7         |
| 427 | 15 Years MR-encephalography. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , <b>2021</b> , 34, 85-108   | 2.8  | 1         |
| 426 | Frequency-adjustable magnetic field probes. <i>Magnetic Resonance in Medicine</i> , <b>2021</b> , 85, 1123-1133   | 4.4  | 1         |
| 425 | Localized singlet-filtered MRS in vivo. <i>NMR in Biomedicine</i> , <b>2021</b> , 34, e4400   | 4.4  | 4         |
| 424 | High field hydrogen induced polarization of succinate and phospholactate. <i>Physical Chemistry Chemical Physics</i> , <b>2021</b> , 23, 2320-2330  | 3.6  | 3         |
| 423 | Mapping the living mouse brain neural architecture: strain-specific patterns of brain structural and functional connectivity. <i>Brain Structure and Function</i> , <b>2021</b> , 226, 647-669  | 4    | 2         |
| 422 | Three-dimensional spatially resolved phase graph framework. <i>Magnetic Resonance in Medicine</i> , <b>2021</b> , 86, 551-560   | 4.4  | 3         |
| 421 | Interaction between cognitive reserve and age moderates effect of lesion load on stroke outcome. <i>Scientific Reports</i> , <b>2021</b> , 11, 4478   | 4.9  | 4         |
| 420 | Improving the sensitivity of spin-echo fMRI at 3T by highly accelerated acquisitions. <i>Magnetic Resonance in Medicine</i> , <b>2021</b> , 86, 245-257   | 4.4  | 1         |

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| 419 | Intracranial vessel wall imaging framework - Data acquisition, processing, and visualization. <i>Magnetic Resonance Imaging</i> , <b>2021</b> , 83, 114-124  | 3.3  | 2  |
| 418 | The variability of functional MRI brain signal increases in Alzheimer's disease at cardiorespiratory frequencies. <i>Scientific Reports</i> , <b>2020</b> , 10, 21559  | 4.9  | 12 |
| 417 | Common and dissociable effects of oxytocin and lorazepam on the neurocircuitry of fear. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 11781-11787  | 11.5 | 12 |
| 416 | Hippocampal and medial prefrontal cortical volume is associated with overnight declarative memory consolidation independent of specific sleep oscillations. <i>Journal of Sleep Research</i> , <b>2020</b> , 29, e13062  | 5.8  | 0  |
| 415 | The utility of multiparametric MRI to characterize hypoxic tumor subvolumes in comparison to FMISO PET/CT. Consequences for diagnosis and chemoradiation treatment planning in head and neck cancer. <i>Radiotherapy and Oncology</i> , <b>2020</b> , 150, 128-135 | 5.3  | 20 |
| 414 | Histological Correlates of Diffusion-Weighted Magnetic Resonance Microscopy in a Mouse Model of Mesial Temporal Lobe Epilepsy. <i>Frontiers in Neuroscience</i> , <b>2020</b> , 14, 543  | 5.1  | 4  |
| 413 | Dynamic 2D and 3D mapping of hyperpolarized pyruvate to lactate conversion in vivo with efficient multi-echo balanced steady-state free precession at 3 T. <i>NMR in Biomedicine</i> , <b>2020</b> , 33, e4291   | 4.4  | 5  |
| 412 | Analysis of the wall shear stress in a generic aneurysm under pulsating and transitional flow conditions. <i>Experiments in Fluids</i> , <b>2020</b> , 61, 1   | 2.5  | 5  |
| 411 | Time-domain principal component reconstruction (tPCR): A more efficient and stable iterative reconstruction framework for non-Cartesian functional MRI. <i>Magnetic Resonance in Medicine</i> , <b>2020</b> , 84, 1321-1335  | 4.4  | 3  |
| 410 | Influence of chronotype on daily mood fluctuations: pilot study in patients with depression. <i>BJPsych Open</i> , <b>2020</b> , 6, e17  | 5    | 7  |
| 409 | Pulse-Programmable Magnetic Field Sweeping of Parahydrogen-Induced Polarization by Side Arm Hydrogenation. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 1340-1345   | 7.8  | 19 |
| 408 | Schizotypy, social stress and the emergence of psychotic-like states - A case for benign schizotypy?. <i>Schizophrenia Research</i> , <b>2020</b> , 216, 435-442   | 3.6  | 12 |
| 407 | Joint Imaging Platform for Federated Clinical Data Analytics. <i>JCO Clinical Cancer Informatics</i> , <b>2020</b> , 4, 1027-1038  | 5.2  | 13 |
| 406 | Analysis of accelerated 4D flow MRI in the murine aorta by radial acquisition and compressed sensing reconstruction. <i>NMR in Biomedicine</i> , <b>2020</b> , 33, e4394   | 4.4  | 1  |
| 405 | Carotid geometry is an independent predictor of wall thickness - a 3D cardiovascular magnetic resonance study in patients with high cardiovascular risk. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2020</b> , 22, 67                                | 6.9  | 7  |
| 404 | Direct modelling of gradient artifacts for EEG-fMRI denoising and motion tracking. <i>Journal of Neural Engineering</i> , <b>2019</b> , 16, 056010   | 5    | 7  |
| 403 | Comparison of wall shear stress estimates obtained by laser Doppler velocimetry, magnetic resonance imaging and numerical simulations. <i>Experiments in Fluids</i> , <b>2019</b> , 60, 1  | 2.5  | 6  |
| 402 | MR-based wall shear stress measurements in fully developed turbulent flow using the Clauser plot method. <i>Journal of Magnetic Resonance</i> , <b>2019</b> , 305, 16-21   | 3    | 2  |

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|-----|---|------|-----|
| 401 | The potential of MR-Encephalography for BCI/Neurofeedback applications with high temporal resolution. <i>NeuroImage</i> , <b>2019</b> , 194, 228-243  | 7.9  | 7   |
| 400 | Retrograde aortic blood flow as a mechanism of stroke: MR evaluation of the prevalence in a population-based study. <i>European Radiology</i> , <b>2019</b> , 29, 5172-5179   | 8    | 7   |
| 399 | SAMBADENA Hyperpolarization of C-Succinate in an MRI: Singlet-Triplet Mixing Causes Polarization Loss. <i>ChemistryOpen</i> , <b>2019</b> , 8, 728-736  | 2.3  | 16  |
| 398 | Lifetime of Parahydrogen in Aqueous Solutions and Human Blood. <i>ChemPhysChem</i> , <b>2019</b> , 20, 2408-2412  | 3.2  | 3   |
| 397 | Switching Circuit Optimization for Matrix Gradient Coils. <i>Tomography</i> , <b>2019</b> , 5, 248-259  | 3.1  | 1   |
| 396 | Oxytocin enhances the pain-relieving effects of social support in romantic couples. <i>Human Brain Mapping</i> , <b>2019</b> , 40, 242-251  | 5.9  | 25  |
| 395 | Targeted partial reconstruction for real-time fMRI with arbitrary trajectories. <i>Magnetic Resonance in Medicine</i> , <b>2019</b> , 81, 1118-1129   | 4.4  | 2   |
| 394 | Should patients with brain implants undergo MRI?. <i>Journal of Neural Engineering</i> , <b>2018</b> , 15, 041002   | 5    | 56  |
| 393 | Optimization of Coil Element Configurations for a Matrix Gradient Coil. <i>IEEE Transactions on Medical Imaging</i> , <b>2018</b> , 37, 284-292   | 11.7 | 3   |
| 392 | A positive-psychological intervention reduces acute psychosis-proneness. <i>Schizophrenia Research</i> , <b>2018</b> , 199, 414-419   | 3.6  | 8   |
| 391 | Probing the reproducibility of quantitative estimates of structural connectivity derived from global tractography. <i>NeuroImage</i> , <b>2018</b> , 175, 215-229   | 7.9  | 18  |
| 390 | Segmental biventricular analysis of myocardial function using high temporal and spatial resolution tissue phase mapping. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , <b>2018</b> , 31, 61-73                    | 2.8  | 5   |
| 389 | Direct matching methods for coils and preamplifiers in MRI. <i>Journal of Magnetic Resonance</i> , <b>2018</b> , 290, 85-91   | 3    | 1   |
| 388 | Brain Reactivity and Selective Attention to Sleep-Related Words in Patients With Chronic Insomnia. <i>Behavioral Sleep Medicine</i> , <b>2018</b> , 16, 587-600   | 4.2  | 13  |
| 387 | Development and implementation of an 84-channel matrix gradient coil. <i>Magnetic Resonance in Medicine</i> , <b>2018</b> , 79, 1181-1191   | 4.4  | 25  |
| 386 | Application of spin echoes in the regime of weak dephasing to T <sub>2</sub> -mapping of the lung. <i>Magnetic Resonance in Medicine</i> , <b>2018</b> , 79, 960-967  | 4.4  | 1   |
| 385 | Low rank alternating direction method of multipliers reconstruction for MR fingerprinting. <i>Magnetic Resonance in Medicine</i> , <b>2018</b> , 79, 83-96  | 4.4  | 101 |
| 384 | Age-related changes of right atrial morphology and inflow pattern assessed using 4D flow cardiovascular magnetic resonance: results of a population-based study. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2018</b> , 20, 38 | 6.9  | 11  |

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|-----|---|-----|----|
| 383 | Sparse Estimation of Resting-State Effective Connectivity From fMRI Cross-Spectra. <i>Frontiers in Neuroscience</i> , <b>2018</b> , 12, 287   | 5.1 | 4  |
| 382 | Determination of aortic stiffness using 4D flow cardiovascular magnetic resonance - a population-based study. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2018</b> , 20, 43                    | 6.9 | 23 |
| 381 | Fearfulness, neuroticism/anxiety, and COMT Val158Met in long-term fear conditioning and extinction. <i>Neurobiology of Learning and Memory</i> , <b>2018</b> , 155, 7-20                                    | 3.1 | 14 |
| 380 | Data on the test-retest reproducibility of streamline counts as a measure of structural connectivity. <i>Data in Brief</i> , <b>2018</b> , 19, 1361-1381  | 1.2 | 2  |
| 379 | From correlation to causation: Estimating effective connectivity from zero-lag covariances of brain signals. <i>PLoS Computational Biology</i> , <b>2018</b> , 14, e1006056                                 | 5   | 10 |
| 378 | Image-based assessment of uncertainty in quantification of carotid lumen <b>2018</b> ,  |     | 1  |
| 377 | Image-based assessment of uncertainty in quantification of carotid lumen. <i>Journal of Medical Imaging</i> , <b>2018</b> , 5, 034003   | 2.6 | 1  |
| 376 | Cognitive and behavioral comorbidities in Rolandic epilepsy and their relation with default mode network functional connectivity and organization. <i>Epilepsy and Behavior</i> , <b>2018</b> , 78, 179-186 | 3.2 | 16 |
| 375 | Fast imaging for mapping dynamic networks. <i>NeuroImage</i> , <b>2018</b> , 180, 547-558   | 7.9 | 15 |
| 374 | In vivo 13C-MRI using SAMBADENA. <i>PLoS ONE</i> , <b>2018</b> , 13, e0200141   | 3.7 | 27 |
| 373 | Preoperative Assessment of Neural Elements in Lumbar Spinal Stenosis by Upright Magnetic Resonance Imaging: An Implication for Routine Practice?. <i>Cureus</i> , <b>2018</b> , 10, e2440                   | 1.2 | 7  |
| 372 | Effect of radiochemotherapy on T2* MRI in HNSCC and its relation to FMISO PET derived hypoxia and FDG PET. <i>Radiation Oncology</i> , <b>2018</b> , 13, 159  | 4.2 | 20 |
| 371 | Efficient Pulse Sequences for NMR Microscopy. <i>Advanced Micro &amp; Nanosystems</i> , <b>2018</b> , 199-235   |     | 1  |
| 370 | Design of small-scale gradient coils in magnetic resonance imaging by using the topology optimization method. <i>Chinese Physics B</i> , <b>2018</b> , 27, 050201   | 1.2 | 3  |
| 369 | Improved method for MR microscopy of brain tissue cultured with the interface method combined with Lenz lenses. <i>Magnetic Resonance Imaging</i> , <b>2018</b> , 52, 24-32                                 | 3.3 | 2  |
| 368 | Stress induced cortisol release and schizotypy - The importance of cognitive slippage and neuroticism. <i>Psychoneuroendocrinology</i> , <b>2018</b> , 96, 142  | 5   | 5  |
| 367 | Prospective MR image alignment between breath-holds: Application to renal BOLD MRI. <i>Magnetic Resonance in Medicine</i> , <b>2017</b> , 77, 1573-1582   | 4.4 | 1  |
| 366 | Pseudo Steady-State Free Precession for MR-Fingerprinting. <i>Magnetic Resonance in Medicine</i> , <b>2017</b> , 77, 1151-1161  | 4.4 | 56 |

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| 365 | Association between COMT genotype and the control of memory guided saccades: Individual differences in healthy adults reveal a detrimental role of dopamine. <i>Vision Research</i> , <b>2017</b> , 141, 170-180 | 2.1 | 0   |
| 364 | Multi-contrast and three-dimensional assessment of the aortic wall using 3T MRI. <i>European Journal of Radiology</i> , <b>2017</b> , 91, 148-154  | 4.7 | 8   |
| 363 | How the brain codes intimacy: The neurobiological substrates of romantic touch. <i>Human Brain Mapping</i> , <b>2017</b> , 38, 4525-4534   | 5.9 | 39  |
| 362 | Mu Opioid Receptors in Gamma-Aminobutyric Acidergic Forebrain Neurons Moderate Motivation for Heroin and Palatable Food. <i>Biological Psychiatry</i> , <b>2017</b> , 81, 778-788                                | 7.9 | 38  |
| 361 | One-second MRI of a three-dimensional vocal tract to measure dynamic articulator modifications. <i>Journal of Magnetic Resonance Imaging</i> , <b>2017</b> , 46, 94-101  | 5.6 | 17  |
| 360 | Early tissue damage and microstructural reorganization predict disease severity in experimental epilepsy. <i>ELife</i> , <b>2017</b> , 6,  | 8.9 | 20  |
| 359 | Preclinical 4D-flow magnetic resonance phase contrast imaging of the murine aortic arch. <i>PLoS ONE</i> , <b>2017</b> , 12, e0187596  | 3.7 | 6   |
| 358 | Aortic atheroma as a source of stroke - assessment of embolization risk using 3D CMR in stroke patients and controls. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2017</b> , 19, 67                 | 6.9 | 21  |
| 357 | Remodeling of Sensorimotor Brain Connectivity in Gpr88-Deficient Mice. <i>Brain Connectivity</i> , <b>2017</b> , 7, 526-540  | 2.7 | 13  |
| 356 | A comparison of Lenz lenses and LC resonators for NMR signal enhancement <b>2017</b> , 47B, e21357   |     | 8   |
| 355 | Disentangling micro from mesostructure by diffusion MRI: A Bayesian approach. <i>NeuroImage</i> , <b>2017</b> , 147, 964-975   | 7.9 | 100 |
| 354 | The noise factor of receiver coil matching networks in MRI. <i>Magnetic Resonance Imaging</i> , <b>2017</b> , 37, 252-259  |     | 2   |
| 353 | High resolution CBV assessment with PEAK-EPI: k-t-undersampling and reconstruction in echo planar imaging. <i>Magnetic Resonance in Medicine</i> , <b>2017</b> , 77, 2153-2166                                   | 4.4 | 2   |
| 352 | Enhanced subject-specific resting-state network detection and extraction with fast fMRI. <i>Human Brain Mapping</i> , <b>2017</b> , 38, 817-830  | 5.9 | 13  |
| 351 | The connectomics of brain demyelination: Functional and structural patterns in the cuprizone mouse model. <i>NeuroImage</i> , <b>2017</b> , 146, 1-18  | 7.9 | 42  |
| 350 | Distinctive time-lagged resting-state networks revealed by simultaneous EEG-fMRI. <i>NeuroImage</i> , <b>2017</b> , 145, 1-10  | 7.9 | 20  |
| 349 | Psychophysiological Assessment of Social Stress in Natural and Laboratory Situations. <i>Journal of Psychophysiology</i> , <b>2017</b> , 31, 67-77   | 1   | 3   |
| 348 | Nanoprobes for Multimodal Visualization of Bone Mineral Phase in Magnetic Resonance and Near-Infrared Optical Imaging. <i>ACS Omega</i> , <b>2016</b> , 1, 182-192   | 3.9 | 8   |

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| 347 | Perceptual Experience of Visual Motion Activates hMT+ Independently From the Physical Reality: fMRI Insights From the Looming Pinna Figure. <i>Perception</i> , <b>2016</b> , 45, 1211-1221   | 1.2  | 1   |
| 346 | Molecular MRI in the Earth's Magnetic Field Using Continuous Hyperpolarization of a Biomolecule in Water. <i>Journal of Physical Chemistry B</i> , <b>2016</b> , 120, 5670-7  | 3.4  | 33  |
| 345 | Performance evaluation of matrix gradient coils. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , <b>2016</b> , 29, 59-73  | 2.8  | 11  |
| 344 | Design of a 3T preamplifier which stability is insensitive to coil loading. <i>Journal of Magnetic Resonance</i> , <b>2016</b> , 265, 215-23  | 3    | 3   |
| 343 | Ultra-fast magnetic resonance encephalography of physiological brain activity - Glymphatic pulsation mechanisms?. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2016</b> , 36, 1033-45  | 7.3  | 175 |
| 342 | Relationship of 5-HTTLPR Polymorphism with Various Factors of Pain Processing: Subjective Experience, Motor Responsiveness and Catastrophizing. <i>PLoS ONE</i> , <b>2016</b> , 11, e0153089  | 3.7  | 6   |
| 341 | The Role of Dopamine in Anticipatory Pursuit Eye Movements: Insights from Genetic Polymorphisms in Healthy Adults. <i>ENeuro</i> , <b>2016</b> , 3,   | 3.9  | 1   |
| 340 | The Idea Is Good, but Failure to Replicate Associations of Oxytocinergic Polymorphisms with Face-Inversion in the N170. <i>PLoS ONE</i> , <b>2016</b> , 11, e0151991  | 3.7  | 6   |
| 339 | Magnetic Resonance Spectroscopy in Patients with Insomnia: A Repeated Measurement Study. <i>PLoS ONE</i> , <b>2016</b> , 11, e0156771   | 3.7  | 25  |
| 338 | Objective sleep disturbances are associated with greater waking resting-state connectivity between the retrosplenial cortex/ hippocampus and various nodes of the default mode network. <i>Journal of Psychiatry and Neuroscience</i> , <b>2016</b> , 41, 295-303 | 4.5  | 50  |
| 337 | Predictors and signatures of recovery from neglect in acute stroke. <i>Annals of Neurology</i> , <b>2016</b> , 79, 673-86   | 6.4  | 43  |
| 336 | Dental MRI using wireless intraoral coils. <i>Scientific Reports</i> , <b>2016</b> , 6, 23301   | 4.9  | 52  |
| 335 | Magnetic resonance imaging of intraoral hard and soft tissues using an intraoral coil and FLASH sequences. <i>European Radiology</i> , <b>2016</b> , 26, 4616-4623  | 8    | 29  |
| 334 | Marker-based ballistocardiographic artifact correction improves spike identification in EEG-fMRI of focal epilepsy patients. <i>Clinical Neurophysiology</i> , <b>2016</b> , 127, 2802-2811   | 4.3  | 7   |
| 333 | Deletion of the mu opioid receptor gene in mice reshapes the reward-aversion connectome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, 11603-11608  | 11.5 | 40  |
| 332 | EEG-fMRI Gradient Artifact Correction by Multiple Motion-Related Templates. <i>IEEE Transactions on Biomedical Engineering</i> , <b>2016</b> , 63, 2647-2653  | 5    | 11  |
| 331 | Spin echoes in the regime of weak dephasing. <i>Magnetic Resonance in Medicine</i> , <b>2016</b> , 75, 150-60   | 4.4  | 11  |
| 330 | The ventral fiber pathway for pantomime of object use. <i>NeuroImage</i> , <b>2015</b> , 106, 252-63  | 7.9  | 57  |



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| 329 | Predicting planning performance from structural connectivity between left and right mid-dorsolateral prefrontal cortex: moderating effects of age during postadolescence and midadulthood. <i>Cerebral Cortex</i> , <b>2015</b> , 25, 869-83 | 5.1  | 16 |
| 328 | Incorporation of image data from a previous examination in 3D serial MR imaging. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , <b>2015</b> , 28, 413-25  | 2.8  | 3  |
| 327 | Improving the robustness of 3D turbo spin echo imaging to involuntary motion. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , <b>2015</b> , 28, 329-45   | 2.8  | 16 |
| 326 | An L1-norm phase constraint for half-Fourier compressed sensing in 3D MR imaging. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , <b>2015</b> , 28, 459-72   | 2.8  | 12 |
| 325 | Monoplanar gradient system for imaging with nonlinear gradients. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , <b>2015</b> , 28, 447-57  | 2.8  | 3  |
| 324 | Fast PRF-based MR thermometry using double-echo EPI: in vivo comparison in a clinical hyperthermia setting. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , <b>2015</b> , 28, 305-14                                 | 2.8  | 17 |
| 323 | Phased-array of microcoils allows MR microscopy of ex vivo human skin samples at 9.4 T. <i>Skin Research and Technology</i> , <b>2015</b> , 21, 61-8   | 1.9  | 10 |
| 322 | Variations in central serotonergic activity - relevance of the 5-HTTLPR, life events and their interaction. <i>Behavioural Brain Research</i> , <b>2015</b> , 277, 245-53  | 3.4  | 2  |
| 321 | The Lumbar Spine as a Dynamic Structure Depicted in Upright MRI. <i>Medicine (United States)</i> , <b>2015</b> , 94, e1299   | 1.8  | 10 |
| 320 | Parallel imaging with phase scrambling. <i>Magnetic Resonance in Medicine</i> , <b>2015</b> , 73, 1407-19  | 4.4  | 8  |
| 319 | Inflection Points in Magnetic Resonance Imaging Technology-35 Years of Collaborative Research and Development. <i>Investigative Radiology</i> , <b>2015</b> , 50, 645-56   | 10.1 | 1  |
| 318 | Image reconstruction in k-space from MR data encoded with ambiguous gradient fields. <i>Magnetic Resonance in Medicine</i> , <b>2015</b> , 73, 857-64  | 4.4  | 6  |
| 317 | Single-shot imaging with higher-dimensional encoding using magnetic field monitoring and concomitant field correction. <i>Magnetic Resonance in Medicine</i> , <b>2015</b> , 73, 1340-57   | 4.4  | 11 |
| 316 | Acceleration of MRI of the vocal tract provides additional insight into articulator modifications. <i>Journal of Magnetic Resonance Imaging</i> , <b>2015</b> , 42, 925-35   | 5.6  | 18 |
| 315 | Intrinsic diffusion sensitivity of the balanced steady-state free precession (bSSFP) imaging sequence. <i>NMR in Biomedicine</i> , <b>2015</b> , 28, 1383-92   | 4.4  | 5  |
| 314 | Multislice localized parallel excitation for EPI applications in humans <b>2015</b> , 45, 153-173  |      |    |
| 313 | Revealing signal from noisy (19) F MR images by chemical shift artifact correction. <i>Magnetic Resonance in Medicine</i> , <b>2015</b> , 73, 2225-33  | 4.4  | 10 |
| 312 | A single dual-stream framework for syntactic computations in music and language. <i>NeuroImage</i> , <b>2015</b> , 117, 267-83   | 7.9  | 45 |



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|-----|---|------|----|
| 311 | Modular Coils with Low Hydrogen Content Especially for MRI of Dry Solids. <i>PLoS ONE</i> , <b>2015</b> , 10, e0139763  | 37   | 5  |
| 310 | Direct cerebral and cardiac 17O-MRI at 3 Tesla: initial results at natural abundance. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , <b>2014</b> , 27, 95-9  | 2.8  | 19 |
| 309 | Design multiple-layer gradient coils using least-squares finite element method. <i>Structural and Multidisciplinary Optimization</i> , <b>2014</b> , 49, 523-535  | 3.6  | 8  |
| 308 | Toward biocompatible nuclear hyperpolarization using signal amplification by reversible exchange: quantitative in situ spectroscopy and high-field imaging. <i>Analytical Chemistry</i> , <b>2014</b> , 86, 1767-74               | 7.8  | 96 |
| 307 | Magnetic resonance spectroscopy comparing adults with high functioning autism and above average IQ. <i>Molecular Psychiatry</i> , <b>2014</b> , 19, 1251  | 15.1 | 15 |
| 306 | Continuous re-hyperpolarization of nuclear spins using parahydrogen: theory and experiment. <i>ChemPhysChem</i> , <b>2014</b> , 15, 2451-7  | 3.2  | 40 |
| 305 | Disturbed cingulate glutamate metabolism in adults with high-functioning autism spectrum disorder: evidence in support of the excitatory/inhibitory imbalance hypothesis. <i>Molecular Psychiatry</i> , <b>2014</b> , 19, 1314-25 | 15.1 | 83 |
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