Sandro Romanzetti

List of Publications by Year in descending order

44 papers	1,682 citations	304743 22 h-index	289244 40 g-index
45 all docs	45 docs citations	45 times ranked	2446 citing authors

#	Article	IF	Citations
1	Minds Made for Sharing: Initiating Joint Attention Recruits Reward-related Neurocircuitry. Journal of Cognitive Neuroscience, 2010, 22, 2702-2715.	2.3	389
2	Centric scan SPRITE magnetic resonance imaging: optimization of SNR, resolution, and relaxation time mapping. Journal of Magnetic Resonance, 2004, 169, 102-117.	2.1	98
3	Studying variability in human brain aging in a population-based German cohortâ€"rationale and design of 1000BRAINS. Frontiers in Aging Neuroscience, 2014, 6, 149.	3.4	97
4	Practical design of a 4 Tesla double-tuned RF surface coil for interleaved 1H and 23Na MRI of rat brain. Journal of Magnetic Resonance, 2006, 181, 203-211.	2.1	83
5	Changes in Soil Water Content Resulting from Ricinus Root Uptake Monitored by Magnetic Resonance Imaging. Vadose Zone Journal, 2008, 7, 1010-1017.	2.2	76
6	Brain imaging findings in idiopathic REM sleep behavior disorder (RBD) â€“ A systematic review on potential biomarkers for neurodegeneration. Sleep Medicine Reviews, 2017, 34, 23-33.	8.5	76
7	Increased brain tissue sodium concentration in Huntington's Disease â€" A sodium imaging study at 4T. NeuroImage, 2012, 63, 517-524.	4.2	67
8	Advances in multimodal neuroimaging: Hybrid MRâ€"PET and MRâ€"PETâ€"EEG at 3T and 9.4T. Journal of Magnetic Resonance, 2013, 229, 101-115.	2.1	67
9	Ligand-Induced Conformational Changes in Tissue Transglutaminase: Monte Carlo Analysis of Small-Angle Scattering Data. Biophysical Journal, 2000, 78, 3240-3251.	0.5	52
10	Cognition in Friedreich's ataxia: a behavioral and multimodal imaging study. Annals of Clinical and Translational Neurology, 2016, 3, 572-587.	3.7	50
11	Brain atrophy measures in preclinical and manifest spinocerebellar ataxia type 2. Annals of Clinical and Translational Neurology, 2018, 5, 128-137.	3.7	45
12	Optimised in vivo visualisation of cortical structures in the human brain at 3 T using IR-TSE. Magnetic Resonance Imaging, 2008, 26, 935-942.	1.8	43
13	Simultaneous singleâ€quantum and tripleâ€quantumâ€filtered MRI of 23Na (SISTINA). Magnetic Resonance in Medicine, 2013, 69, 1691-1696.	3.0	41
14	Conversion of individuals at risk for spinocerebellar ataxia types 1, 2, 3, and 6 to manifest ataxia (RISCA): a longitudinal cohort study. Lancet Neurology, The, 2020, 19, 738-747.	10.2	41
15	A comparison of three SPRITE techniques for the quantitative 3D imaging of the 23Na spin density on a 4T whole-body machine. Journal of Magnetic Resonance, 2006, 179, 64-72.	2.1	39
16	Regional Brain and Spinal Cord Volume Loss in Spinocerebellar Ataxia Type 3. Movement Disorders, 2021, 36, 2273-2281.	3.9	37
17	Structural characteristics of the central nervous system in FriedreichÂataxia: an in vivo spinal cord and brain MRI study. Journal of Neurology, Neurosurgery and Psychiatry, 2019, 90, 615-617.	1.9	33
18	Impact of gender and genetics on emotion processing in Parkinson's disease - A multimodal study. NeuroImage: Clinical, 2018, 18, 305-314.	2.7	32

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19	Mapping tissue sodium concentration in the human brain: A comparison of MR sequences at 9.4 Tesla. NeuroImage, 2014, 96, 44-53.	4.2	31
20	Brain Structure and Degeneration Staging in Friedreich Ataxia: <scp>Magnetic Resonance Imaging</scp> Volumetrics from the <scp>ENIGMAâ€Ataxia</scp> Working Group. Annals of Neurology, 2021, 90, 570-583.	5.3	27
21	Convergent patterns of structural brain changes in rapid eye movement sleep behavior disorder and Parkinsonâ€™s disease on behalf of the German rapid eye movement sleep behavior disorder study group. Sleep, 2021, 44, .	1.1	26
22	Proton Magnetic Resonance Spectroscopy of the motor cortex reveals long term GABA change following anodal Transcranial Direct Current Stimulation. Scientific Reports, 2019, 9, 2807.	3.3	25
23	Phase-contrast imaging of thin biomaterials. Biomaterials, 2001, 22, 1515-1520.	11.4	23
24	Application of the chirp z-transform to MRI data. Journal of Magnetic Resonance, 2006, 178, 121-128.	2.1	21
25	Accumulation of Lithium in the Hippocampus of Patients With Bipolar Disorder: A Lithium-7 Magnetic Resonance Imaging Study at 7 Tesla. Biological Psychiatry, 2020, 88, 426-433.	1.3	20
26	Neurochemical profiles in hereditary ataxias: A meta-analysis of Magnetic Resonance Spectroscopy studies. Neuroscience and Biobehavioral Reviews, 2020, 108, 854-865.	6.1	18
27	B0 insensitive multiple-quantum resolved sodium imaging using a phase-rotation scheme. Journal of Magnetic Resonance, 2013, 228, 32-36.	2.1	16
28	Tissue sodium concentration and sodium T1 mapping of the human brain at 3â€T using a Variable Flip Angle method. Magnetic Resonance Imaging, 2019, 58, 116-124.	1.8	15
29	Helium bubble formation in 800 MeV proton-irradiated 304L stainless steel and alloy 718 during post-irradiation annealing. Journal of Nuclear Materials, 2002, 304, 1-7.	2.7	13
30	Multi-Frame SPRITE: A method for resolution enhancement of multiple-point SPRITE data. Journal of Magnetic Resonance, 2013, 230, 111-116.	2.1	12
31	Effect of a multicomponent exercise intervention on brain metabolism: A randomized controlled trial on Alzheimer's pathology (Dementiaâ€MOVE). Alzheimer's and Dementia: Translational Research and Clinical Interventions, 2020, 6, e12032.	3.7	12
32	Phase-contrast microtomography of thin biomaterials. Journal of Materials Science: Materials in Medicine, 2004, 15, 1053-1057.	3.6	8
33	Repetition time and flip angle variation in SPRITE imaging for acquisition time and SAR reduction. Journal of Magnetic Resonance, 2009, 199, 136-145.	2.1	8
34	Semiâ€automated volumetry of MRI serves as a biomarker in neuromuscular patients. Muscle and Nerve, 2020, 61, 600-607.	2.2	8
35	An accurate nonuniform fourier transform for SPRITE magnetic resonance imaging data. ACM Transactions on Mathematical Software, 2007, 33, 16.	2.9	6
36	Phase-cycled averaging for the suppression of residual magnetisation in SPI sequences. Journal of Magnetic Resonance, 2009, 199, 117-125.	2.1	6

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37	What can 7T sodium MRI tell us about cellular energy depletion and neurotransmission in Alzheimer's disease?. Alzheimer's and Dementia, 2021, 17, 1843-1854.	0.8	6
38	Advances in hybrid MRâ€“PET at 3T and 9.4T in humans. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 702, 16-21.	1.6	5
39	Evaluation of the Spatial Resolution with 1.5â€“4 Tesla in a Stenosis Model. Asian Cardiovascular and Thoracic Annals, 2006, 14, 387-393.	0.5	4
40	Increased brain tissue sodium concentration in Friedreich ataxia: A multimodal MR imaging study. NeuroImage: Clinical, 2022, 34, 103025.	2.7	3
41	Sodium Image Denoising Based on a Convolutional Denoising Autoencoder. Informatik Aktuell, 2019, , 98-103.	0.6	2
42	Quantitative sodium imaging using ultraâ€high field magnetic resonance imaging in patients with Alzheimer's disease. Alzheimer's and Dementia, 2020, 16, e042107.	0.8	1
43	Residual stress states before irradiation in ESS target structural materials. Applied Physics A: Materials Science and Processing, 2002, 74, s1197-s1199.	2.3	0
44	Semi-Automatic MRI Muscle Volumetry to Diagnose and Monitor Hereditary and Acquired Polyneuropathies. Brain Sciences, 2021, 11, 202.	2.3	0