

# Sandro Romanzetti

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Increased brain tissue sodium concentration in Friedreich ataxia: A multimodal MR imaging study. <i>NeuroImage: Clinical</i> , 2022, 34, 103025.	2.7	3
2	Convergent patterns of structural brain changes in rapid eye movement sleep behavior disorder and Parkinson's disease on behalf of the German rapid eye movement sleep behavior disorder study group. <i>Sleep</i> , 2021, 44, .	1.1	26
3	Semi-Automatic MRI Muscle Volumetry to Diagnose and Monitor Hereditary and Acquired Polyneuropathies. <i>Brain Sciences</i> , 2021, 11, 202.	2.3	0
4	Regional Brain and Spinal Cord Volume Loss in Spinocerebellar Ataxia Type 3. <i>Movement Disorders</i> , 2021, 36, 2273-2281.	3.9	37
5	Brain Structure and Degeneration Staging in Friedreich Ataxia: <scp>Magnetic Resonance Imaging</scp> Volumetrics from the <scp>ENIGMA's Ataxia</scp> Working Group. <i>Annals of Neurology</i> , 2021, 90, 570-583.	5.3	27
6	What can 7T sodium MRI tell us about cellular energy depletion and neurotransmission in Alzheimer's disease?. <i>Alzheimer's and Dementia</i> , 2021, 17, 1843-1854.	0.8	6
7	Neurochemical profiles in hereditary ataxias: A meta-analysis of Magnetic Resonance Spectroscopy studies. <i>Neuroscience and Biobehavioral Reviews</i> , 2020, 108, 854-865.	6.1	18
8	Conversion of individuals at risk for spinocerebellar ataxia types 1, 2, 3, and 6 to manifest ataxia (RISCA): a longitudinal cohort study. <i>Lancet Neurology</i> , The, 2020, 19, 738-747.	10.2	41
9	Quantitative sodium imaging using ultra-high field magnetic resonance imaging in patients with Alzheimer's disease. <i>Alzheimer's and Dementia</i> , 2020, 16, e042107.	0.8	1
10	Effect of a multicomponent exercise intervention on brain metabolism: A randomized controlled trial on Alzheimer's pathology (Dementia-MOVE). <i>Alzheimer's and Dementia: Translational Research and Clinical Interventions</i> , 2020, 6, e12032.	3.7	12
11	Accumulation of Lithium in the Hippocampus of Patients With Bipolar Disorder: A Lithium-7 Magnetic Resonance Imaging Study at 7 Tesla. <i>Biological Psychiatry</i> , 2020, 88, 426-433.	1.3	20
12	Semi-automated volumetry of MRI serves as a biomarker in neuromuscular patients. <i>Muscle and Nerve</i> , 2020, 61, 600-607.	2.2	8
13	Structural characteristics of the central nervous system in Friedreich's ataxia: an in vivo spinal cord and brain MRI study. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2019, 90, 615-617.	1.9	33
14	Tissue sodium concentration and sodium T1 mapping of the human brain at 3T using a Variable Flip Angle method. <i>Magnetic Resonance Imaging</i> , 2019, 58, 116-124.	1.8	15
15	Proton Magnetic Resonance Spectroscopy of the motor cortex reveals long term GABA change following anodal Transcranial Direct Current Stimulation. <i>Scientific Reports</i> , 2019, 9, 2807.	3.3	25
16	Sodium Image Denoising Based on a Convolutional Denoising Autoencoder. <i>Informatik Aktuell</i> , 2019, , 98-103.	0.6	2
17	Brain atrophy measures in preclinical and manifest spinocerebellar ataxia type 2. <i>Annals of Clinical and Translational Neurology</i> , 2018, 5, 128-137.	3.7	45
18	Impact of gender and genetics on emotion processing in Parkinson's disease - A multimodal study. <i>NeuroImage: Clinical</i> , 2018, 18, 305-314.	2.7	32

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19	Brain imaging findings in idiopathic REM sleep behavior disorder (RBD) – A systematic review on potential biomarkers for neurodegeneration. <i>Sleep Medicine Reviews</i> , 2017, 34, 23-33.	8.5	76
20	Cognition in Friedreich's ataxia: a behavioral and multimodal imaging study. <i>Annals of Clinical and Translational Neurology</i> , 2016, 3, 572-587.	3.7	50
21	Studying variability in human brain aging in a population-based German cohort – rationale and design of 1000BRAINS. <i>Frontiers in Aging Neuroscience</i> , 2014, 6, 149.	3.4	97
22	Mapping tissue sodium concentration in the human brain: A comparison of MR sequences at 9.4 Tesla. <i>NeuroImage</i> , 2014, 96, 44-53.	4.2	31
23	Simultaneous single-quantum and triple-quantum-filtered MRI of <sup>23</sup> Na (SISTINA). <i>Magnetic Resonance in Medicine</i> , 2013, 69, 1691-1696.	3.0	41
24	Advances in multimodal neuroimaging: Hybrid MR-PET and MR-PET-EEG at 3T and 9.4T. <i>Journal of Magnetic Resonance</i> , 2013, 229, 101-115.	2.1	67
25	Multi-Frame SPRITE: A method for resolution enhancement of multiple-point SPRITE data. <i>Journal of Magnetic Resonance</i> , 2013, 230, 111-116.	2.1	12
26	Advances in hybrid MR-PET at 3T and 9.4T in humans. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2013, 702, 16-21.	1.6	5
27	B <sub>0</sub> insensitive multiple-quantum resolved sodium imaging using a phase-rotation scheme. <i>Journal of Magnetic Resonance</i> , 2013, 228, 32-36.	2.1	16
28	Increased brain tissue sodium concentration in Huntington's Disease – A sodium imaging study at 4T. <i>NeuroImage</i> , 2012, 63, 517-524.	4.2	67
29	Minds Made for Sharing: Initiating Joint Attention Recruits Reward-related Neurocircuitry. <i>Journal of Cognitive Neuroscience</i> , 2010, 22, 2702-2715.	2.3	389
30	Repetition time and flip angle variation in SPRITE imaging for acquisition time and SAR reduction. <i>Journal of Magnetic Resonance</i> , 2009, 199, 136-145.	2.1	8
31	Phase-cycled averaging for the suppression of residual magnetisation in SPI sequences. <i>Journal of Magnetic Resonance</i> , 2009, 199, 117-125.	2.1	6
32	Optimised in vivo visualisation of cortical structures in the human brain at 3 T using IR-TSE. <i>Magnetic Resonance Imaging</i> , 2008, 26, 935-942.	1.8	43
33	Changes in Soil Water Content Resulting from <i>Ricinus</i> Root Uptake Monitored by Magnetic Resonance Imaging. <i>Vadose Zone Journal</i> , 2008, 7, 1010-1017.	2.2	76
34	An accurate nonuniform fourier transform for SPRITE magnetic resonance imaging data. <i>ACM Transactions on Mathematical Software</i> , 2007, 33, 16.	2.9	6
35	Application of the chirp z-transform to MRI data. <i>Journal of Magnetic Resonance</i> , 2006, 178, 121-128.	2.1	21
36	Practical design of a 4 Tesla double-tuned RF surface coil for interleaved 1H and <sup>23</sup> Na MRI of rat brain. <i>Journal of Magnetic Resonance</i> , 2006, 181, 203-211.	2.1	83

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37	A comparison of three SPRITE techniques for the quantitative 3D imaging of the $^{23}\text{Na}$ spin density on a 4T whole-body machine. <i>Journal of Magnetic Resonance</i> , 2006, 179, 64-72.	2.1	39
38	Evaluation of the Spatial Resolution with 1.5 $\times$ 4 Tesla in a Stenosis Model. <i>Asian Cardiovascular and Thoracic Annals</i> , 2006, 14, 387-393.	0.5	4
39	Phase-contrast microtomography of thin biomaterials. <i>Journal of Materials Science: Materials in Medicine</i> , 2004, 15, 1053-1057.	3.6	8
40	Centric scan SPRITE magnetic resonance imaging: optimization of SNR, resolution, and relaxation time mapping. <i>Journal of Magnetic Resonance</i> , 2004, 169, 102-117.	2.1	98
41	Residual stress states before irradiation in ESS target structural materials. <i>Applied Physics A: Materials Science and Processing</i> , 2002, 74, s1197-s1199.	2.3	0
42	Helium bubble formation in 800 MeV proton-irradiated 304L stainless steel and alloy 718 during post-irradiation annealing. <i>Journal of Nuclear Materials</i> , 2002, 304, 1-7.	2.7	13
43	Phase-contrast imaging of thin biomaterials. <i>Biomaterials</i> , 2001, 22, 1515-1520.	11.4	23
44	Ligand-Induced Conformational Changes in Tissue Transglutaminase: Monte Carlo Analysis of Small-Angle Scattering Data. <i>Biophysical Journal</i> , 2000, 78, 3240-3251.	0.5	52