

Bhavana S Solanky

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

646
citations

840776

11
h-index

713466

21
g-index

23
all docs

23
docs citations

23
times ranked

1429
citing authors

#	ARTICLE	IF	CITATIONS
1	Non-invasive imaging of transplanted human neural stem cells and ECM scaffold remodeling in the stroke-damaged rat brain by 19F- and diffusion-MRI. <i>Biomaterials</i> , 2012, 33, 2858-2871.	11.4	155
2	Sodium accumulation is associated with disability and a progressive course in multiple sclerosis. <i>Brain</i> , 2013, 136, 2305-2317.	7.6	110
3	Reduced gamma-aminobutyric acid concentration is associated with physical disability in progressive multiple sclerosis. <i>Brain</i> , 2015, 138, 2584-2595.	7.6	95
4	Evidence for early neurodegeneration in the cervical cord of patients with primary progressive multiple sclerosis. <i>Brain</i> , 2015, 138, 1568-1582.	7.6	51
5	Sodium (²³ Na) ultra-short echo time imaging in the human brain using a 3D-Cones trajectory. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2014, 27, 35-46.	2.0	31
6	Cortical grey matter sodium accumulation is associated with disability and secondary progressive disease course in relapse-onset multiple sclerosis. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2019, 90, 755-760.	1.9	24
7	Brain microstructural and metabolic alterations detected <i>in vivo</i> at onset of the first demyelinating event. <i>Brain</i> , 2021, 144, 1409-1421.	7.6	24
8	Neurocognitive Function and Neuroimaging Markers in Virologically Suppressed HIV-positive Patients Randomized to Ritonavir-boosted Protease Inhibitor Monotherapy or Standard Combination ART: A Cross-sectional Substudy From the PIVOT Trial. <i>Clinical Infectious Diseases</i> , 2016, 63, 257-264.	5.8	20
9	<i>In vivo</i> magnetic resonance spectroscopy detection of combined glutamate+glutamine in healthy upper cervical cord at 3T. <i>NMR in Biomedicine</i> , 2013, 26, 357-366.	2.8	19
10	Sodium quantification in the spinal cord at 3T. <i>Magnetic Resonance in Medicine</i> , 2013, 69, 1201-1208.	3.0	16
11	Age Related Changes in Metabolite Concentrations in the Normal Spinal Cord. <i>PLoS ONE</i> , 2014, 9, e105774.	2.5	16
12	Bi-exponential ²³ Na T ₂ * component analysis in the human brain. <i>NMR in Biomedicine</i> , 2018, 31, e3899.	2.8	13
13	A Risk Score for Predicting Multiple Sclerosis. <i>PLoS ONE</i> , 2016, 11, e0164992.	2.5	11
14	Amiloride, fluoxetine or riluzole to reduce brain volume loss in secondary progressive multiple sclerosis: the MS-SMART four-arm RCT. <i>Efficacy and Mechanism Evaluation</i> , 2020, 7, 1-72.	0.7	11
15	Challenges and Perspectives of Quantitative Functional Sodium Imaging (fNaI). <i>Frontiers in Neuroscience</i> , 2018, 12, 810.	2.8	10
16	NAA is a Marker of Disability in Secondary-Progressive MS: A Proton MR Spectroscopic Imaging Study. <i>American Journal of Neuroradiology</i> , 2020, 41, 2209-2218.	2.4	10
17	Profiling metabolite changes in the neuronal differentiation of human striatal neural stem cells using 1H-magnetic resonance spectroscopy. <i>NeuroReport</i> , 2013, 24, 1035-1040.	1.2	8
18	Sodium in the Relapsing+Remitting Multiple Sclerosis Spinal Cord: Increased Concentrations and Associations With Microstructural Tissue Anisotropy. <i>Journal of Magnetic Resonance Imaging</i> , 2020, 52, 1429-1438.	3.4	8

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19	Characterisation of tissue-type metabolic content in secondary progressive multiple sclerosis: a magnetic resonance spectroscopic imaging study. <i>Journal of Neurology</i> , 2018, 265, 1795-1802.	3.6	7
20	Metabolic Profiling of the Rat Liver After Chronic Ingestion of Alpha-Naphthylisothiocyanate Using In Vivo and Ex Vivo Magnetic Resonance Spectroscopy. <i>Toxicological Sciences</i> , 2012, 126, 306-316.	3.1	4
21	SODIUM ACCUMULATION IS ASSOCIATED WITH DISABILITY AND PROGRESSION IN MULTIPLE SCLEROSIS: A ²³ Na MRI STUDY. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2013, 84, e2.144-e2.	1.9	3
22	SPINAL CORD GLUTAMATE-GLUTAMINE IS ELEVATED IN MS RELAPSE. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2014, 85, e4.30-e4.	1.9	0
23	Single Voxel MR Spectroscopy in the Spinal Cord. , 2014, , 267-290.		0