Mariana Lazar

List of Publications by Year
in descending order

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50 papers	6,898 citations	249298 26 h-index	286692 43 g-index
51 all docs	51 docs citations	51 times ranked	11535 citing authors

#	Article	IF	Citations
1	The effects of plasticity-based cognitive rehabilitation on resting-state functional connectivity in chronic traumatic brain injury: A pilot study. NeuroRehabilitation, 2022, 51, 133-150.	0.5	0
2	P581. Inverse Relationships Between Basal Ganglia Iron and Positive Psychotic Symptoms in Early Psychotic Spectrum Disorders. Biological Psychiatry, 2022, 91, S324.	0.7	0
3	Quantitative Macromolecular Proton Fraction Mapping Reveals Altered Cortical Myelin Profile in Schizophrenia Spectrum Disorders. Cerebral Cortex Communications, 2021, 2, tgab015.	0.7	8
4	Functional connectivity of the default mode, dorsal attention and fronto-parietal executive control networks in glial tumor patients. Journal of Neuro-Oncology, 2021, 152, 347-355.	1.4	16
5	White Matter Microstructural Changes in Psychotic Spectrum Disorder are Associated With Cognitive Function and Symptoms. Biological Psychiatry, 2021, 89, S281-S282.	0.7	0
6	Increased Intracortical Myelin in Cognitively Preserved Patients With Psychotic Spectrum Disorders. Biological Psychiatry, 2021, 89, S333.	0.7	0
7	Reduced Microstructural Lateralization in Males with Chronic Schizophrenia: A Diffusional Kurtosis Imaging Study. Cerebral Cortex, 2020, 30, 2281-2294.	1.6	5
8	Association Between Gray Matter Microstructure, Cortical Thinning, Illness Duration and Executive Functioning in Psychotic Spectrum Disorders. Biological Psychiatry, 2020, 87, S143.	0.7	0
9	Diffusion kurtosis imaging of gray matter in young adults with autism spectrum disorder. Scientific Reports, 2020, 10, 21465.	1.6	8
10	Diffusion kurtosis imaging of gray matter in schizophrenia. Cortex, 2019, 121, 201-224.	1.1	16
11	T186. The Association Between Processing Speed and White Matter Tract Myelination in Schizophrenia. Biological Psychiatry, 2019, 85, S201-S202.	0.7	0
12	Improved detection of fMRI activation in the cerebellum at 7T with dielectric pads extending the imaging region of a commercial head coil. Journal of Magnetic Resonance Imaging, 2018, 48, 431-440.	1.9	29
13	Diffusional kurtosis imaging of the corpus callosum in autism. Molecular Autism, 2018, 9, 62.	2.6	23
14	T70. Increased Diffusion Kurtosis of Gray Matter in Schizophrenia. Biological Psychiatry, 2018, 83, S156.	0.7	0
15	Working Memory. Neuroscientist, 2017, 23, 197-210.	2.6	23
16	Association of White Matter Structure With Autism Spectrum Disorder and Attention-Deficit/Hyperactivity Disorder. JAMA Psychiatry, 2017, 74, 1120.	6.0	123
17	Global brain metabolic quantification with wholeâ€head proton MRS at 3ÂT. NMR in Biomedicine, 2017, 30, e3754.	1.6	4
18	Metabolic Abnormalities in the Hippocampus of Patients with Schizophrenia: A 3D Multivoxel MR Spectroscopic Imaging Study at 3T. American Journal of Neuroradiology, 2016, 37, 2273-2279.	1.2	12

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19	Zoomed echo-planar diffusion tensor imaging for MR tractography of the prostate gland neurovascular bundle without an endorectal coil: a feasibility study. Abdominal Radiology, 2016, 41, 919-925.	1.0	8
20	Mode of Anisotropy Reveals Global Diffusion Alterations in Attention-Deficit/Hyperactivity Disorder. Journal of the American Academy of Child and Adolescent Psychiatry, 2016, 55, 137-145.	0.3	29
21	Prefrontal neuronal integrity predicts symptoms and cognition in schizophrenia and is sensitive to genetic heterogeneity. Schizophrenia Research, 2016, 172, 94-100.	1.1	12
22	Hypo-metabolism of the rostral anterior cingulate cortex associated with working memory impairment in 18 cases of schizophrenia. Brain Imaging and Behavior, 2016, 10, 115-123.	1.1	11
23	Constrained by Our Connections: White Matter's Key Role in Interindividual Variability in Visual Working Memory Capacity. Journal of Neuroscience, 2014, 34, 14913-14918.	1.7	26
24	Diffusional Kurtosis Imaging of the Developing Brain. American Journal of Neuroradiology, 2014, 35, 808-814.	1.2	72
25	Axonal deficits in young adults with High Functioning Autism and their impact on processing speed. NeuroImage: Clinical, 2014, 4, 417-425.	1.4	61
26	Tract-specific white matter correlates of fatigue and cognitive impairment in benign multiple sclerosis. Journal of the Neurological Sciences, 2013, 330, 61-66.	0.3	56
27	Spontaneous brain activity in combat related PTSD. Neuroscience Letters, 2013, 547, 1-5.	1.0	76
28	Mapping brain anatomical connectivity using white matter tractography. NMR in Biomedicine, 2010, 23, 821-835.	1.6	110
29	White Matter in Aging and Cognition: A Cross-Sectional Study of Microstructure in Adults Aged Eighteen to Eighty-Three. Developmental Neuropsychology, 2010, 35, 257-277.	1.0	142
30	White matter is altered with parental family history of Alzheimer's disease. Alzheimer's and Dementia, 2010, 6, 394-403.	0.4	109
31	Cosine series representation of 3D curves and its application to white matter fiber bundles in diffusion tensor imaging. Statistics and Its Interface, 2010, 3, 69-80.	0.2	45
32	3D diffusion tensor MRI with isotropic resolution using a steadyâ€state radial acquisition. Journal of Magnetic Resonance Imaging, 2009, 29, 1175-1184.	1.9	21
33	Efficient parametric encoding scheme for white matter fiber bundles. , 2009, 2009, 6644-7.		3
34	A study of diffusion tensor imaging by tissue-specific, smoothing-compensated voxel-based analysis. NeuroImage, 2009, 44, 870-883.	2.1	93
35	Estimation of the orientation distribution function from diffusional kurtosis imaging. Magnetic Resonance in Medicine, 2008, 60, 774-781.	1.9	112
36	Longitudinal changes in patients with traumatic brain injury assessed with diffusion-tensor and volumetric imaging. NeuroImage, 2008, 42, 503-514.	2.1	296

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37	Reduced Evoked Gamma Oscillations in the Frontal Cortex in Schizophrenia Patients: A TMS/EEG Study. American Journal of Psychiatry, 2008, 165, 996-1005.	4.0	202
38	Diffusion tensor imaging of white matter in the superior temporal gyrus and temporal stem in autism. Neuroscience Letters, 2007, 424, 127-132.	1.0	252
39	Diffusion tensor imaging of the corpus callosum in Autism. NeuroImage, 2007, 34, 61-73.	2.1	551
40	Diffusion tensor imaging of the brain. Neurotherapeutics, 2007, 4, 316-329.	2.1	2,186
41	Application of Brodmann's area templates for ROI selection in white matter tractography studies. NeuroImage, 2006, 29, 868-878.	2.1	78
42	Optimization of white matter tractography for pre-surgical planning and image-guided surgery. Oncology Reports, 2006, 15, 1061-1064.	1.2	26
43	White Matter Tractography by Means of Turboprop Diffusion Tensor Imaging. Annals of the New York Academy of Sciences, 2005, 1064, 78-87.	1.8	12
44	Axial asymmetry of water diffusion in brain white matter. Magnetic Resonance in Medicine, 2005, 54, 860-867.	1.9	23
45	Bootstrap white matter tractography (BOOT-TRAC). NeuroImage, 2005, 24, 524-532.	2.1	181
46	Diffusion tensor imaging of cerebral white matter: a pictorial review of physics, fiber tract anatomy, and tumor imaging patterns. American Journal of Neuroradiology, 2004, 25, 356-69.	1.2	480
47	White matter tractography using diffusion tensor deflection. Human Brain Mapping, 2003, 18, 306-321.	1.9	545
48	An error analysis of white matter tractography methods: synthetic diffusion tensor field simulations. NeuroImage, 2003, 20, 1140-1153.	2.1	154
49	Analysis of partial volume effects in diffusion-tensor MRI. Magnetic Resonance in Medicine, 2001, 45, 770-780.	1.9	621
50	Electrical behaviour of fresh and stored porous silicon films. Thin Solid Films, 1998, 325, 271-277.	0.8	34