

Mariana Lazar

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

6,898
citations

218662

26
h-index

254170

43
g-index

51
all docs

51
docs citations

51
times ranked

10314
citing authors

#	ARTICLE	IF	CITATIONS
1	Diffusion Tensor Imaging of the Brain. Neurotherapeutics, 2007, 4, 316-329.	4.4	2,186
2	Analysis of partial volume effects in diffusion tensor MRI. Magnetic Resonance in Medicine, 2001, 45, 770-780.	3.0	621
3	Diffusion tensor imaging of the corpus callosum in Autism. NeuroImage, 2007, 34, 61-73.	4.2	551
4	White matter tractography using diffusion tensor deflection. Human Brain Mapping, 2003, 18, 306-321.	3.6	545
5	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.	2.4	480
6	Longitudinal changes in patients with traumatic brain injury assessed with diffusion-tensor and volumetric imaging. NeuroImage, 2008, 42, 503-514.	4.2	296
7	Diffusion tensor imaging of white matter in the superior temporal gyrus and temporal stem in autism. Neuroscience Letters, 2007, 424, 127-132.	2.1	252
8	Reduced Evoked Gamma Oscillations in the Frontal Cortex in Schizophrenia Patients: A TMS/EEG Study. American Journal of Psychiatry, 2008, 165, 996-1005.	7.2	202
9	Bootstrap white matter tractography (BOOT-TRAC). NeuroImage, 2005, 24, 524-532.	4.2	181
10	An error analysis of white matter tractography methods: synthetic diffusion tensor field simulations. NeuroImage, 2003, 20, 1140-1153.	4.2	154
11	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.	1.4	142
12	Association of White Matter Structure With Autism Spectrum Disorder and Attention-Deficit/Hyperactivity Disorder. JAMA Psychiatry, 2017, 74, 1120.	11.0	123
13	Estimation of the orientation distribution function from diffusional kurtosis imaging. Magnetic Resonance in Medicine, 2008, 60, 774-781.	3.0	112
14	Mapping brain anatomical connectivity using white matter tractography. NMR in Biomedicine, 2010, 23, 821-835.	2.8	110
15	White matter is altered with parental family history of Alzheimer's disease. Alzheimer's and Dementia, 2010, 6, 394-403.	0.8	109
16	A study of diffusion tensor imaging by tissue-specific, smoothing-compensated voxel-based analysis. NeuroImage, 2009, 44, 870-883.	4.2	93
17	Application of Brodmann's area templates for ROI selection in white matter tractography studies. NeuroImage, 2006, 29, 868-878.	4.2	78
18	Spontaneous brain activity in combat related PTSD. Neuroscience Letters, 2013, 547, 1-5.	2.1	76

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19	Diffusional Kurtosis Imaging of the Developing Brain. American Journal of Neuroradiology, 2014, 35, 808-814.	2.4	72
20	Axonal deficits in young adults with High Functioning Autism and their impact on processing speed. Neurolmage: Clinical, 2014, 4, 417-425.	2.7	61
21	Tract-specific white matter correlates of fatigue and cognitive impairment in benign multiple sclerosis. Journal of the Neurological Sciences, 2013, 330, 61-66.	0.6	56
22	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.	0.3	45
23	Electrical behaviour of fresh and stored porous silicon films. Thin Solid Films, 1998, 325, 271-277.	1.8	34
24	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.	0.5	29
25	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.	3.4	29
26	Optimization of white matter tractography for pre-surgical planning and image-guided surgery. Oncology Reports, 2006, 15, 1061-1064.	2.6	26
27	Constrained by Our Connections: White Matter's Key Role in Interindividual Variability in Visual Working Memory Capacity. Journal of Neuroscience, 2014, 34, 14913-14918.	3.6	26
28	Axial asymmetry of water diffusion in brain white matter. Magnetic Resonance in Medicine, 2005, 54, 860-867.	3.0	23
29	Working Memory. Neuroscientist, 2017, 23, 197-210.	3.5	23
30	Diffusional kurtosis imaging of the corpus callosum in autism. Molecular Autism, 2018, 9, 62.	4.9	23
31	3D diffusion tensor MRI with isotropic resolution using a steady-state radial acquisition. Journal of Magnetic Resonance Imaging, 2009, 29, 1175-1184.	3.4	21
32	Diffusion kurtosis imaging of gray matter in schizophrenia. Cortex, 2019, 121, 201-224.	2.4	16
33	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.	2.9	16
34	White Matter Tractography by Means of Turboprop Diffusion Tensor Imaging. Annals of the New York Academy of Sciences, 2005, 1064, 78-87.	3.8	12
35	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.	2.4	12
36	Prefrontal neuronal integrity predicts symptoms and cognition in schizophrenia and is sensitive to genetic heterogeneity. Schizophrenia Research, 2016, 172, 94-100.	2.0	12

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37	Hypo-metabolism of the rostral anterior cingulate cortex associated with working memory impairment in 18 cases of schizophrenia. <i>Brain Imaging and Behavior</i> , 2016, 10, 115-123.	2.1	11
38	Zoomed echo-planar diffusion tensor imaging for MR tractography of the prostate gland neurovascular bundle without an endorectal coil: a feasibility study. <i>Abdominal Radiology</i> , 2016, 41, 919-925.	2.1	8
39	Diffusion kurtosis imaging of gray matter in young adults with autism spectrum disorder. <i>Scientific Reports</i> , 2020, 10, 21465.	3.3	8
40	Quantitative Macromolecular Proton Fraction Mapping Reveals Altered Cortical Myelin Profile in Schizophrenia Spectrum Disorders. <i>Cerebral Cortex Communications</i> , 2021, 2, tgab015.	1.6	8
41	Reduced Microstructural Lateralization in Males with Chronic Schizophrenia: A Diffusional Kurtosis Imaging Study. <i>Cerebral Cortex</i> , 2020, 30, 2281-2294.	2.9	5
42	Global brain metabolic quantification with whole-head proton MRS at 3T. <i>NMR in Biomedicine</i> , 2017, 30, e3754.	2.8	4
43	Efficient parametric encoding scheme for white matter fiber bundles. , 2009, 2009, 6644-7.		3
44	T70. Increased Diffusion Kurtosis of Gray Matter in Schizophrenia. <i>Biological Psychiatry</i> , 2018, 83, S156.	1.3	0
45	T186. The Association Between Processing Speed and White Matter Tract Myelination in Schizophrenia. <i>Biological Psychiatry</i> , 2019, 85, S201-S202.	1.3	0
46	Association Between Gray Matter Microstructure, Cortical Thinning, Illness Duration and Executive Functioning in Psychotic Spectrum Disorders. <i>Biological Psychiatry</i> , 2020, 87, S143.	1.3	0
47	White Matter Microstructural Changes in Psychotic Spectrum Disorder are Associated With Cognitive Function and Symptoms. <i>Biological Psychiatry</i> , 2021, 89, S281-S282.	1.3	0
48	Increased Intracortical Myelin in Cognitively Preserved Patients With Psychotic Spectrum Disorders. <i>Biological Psychiatry</i> , 2021, 89, S333.	1.3	0
49	The effects of plasticity-based cognitive rehabilitation on resting-state functional connectivity in chronic traumatic brain injury: A pilot study. <i>NeuroRehabilitation</i> , 2022, 51, 133-150.	1.3	0
50	P581. Inverse Relationships Between Basal Ganglia Iron and Positive Psychotic Symptoms in Early Psychotic Spectrum Disorders. <i>Biological Psychiatry</i> , 2022, 91, S324.	1.3	0