

Mariana Lazar

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

6,898
citations

218677
26
h-index

254184
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. Neurolmage, 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. Neurolmage, 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). Neurolmage, 2005, 24, 524-532. | 4.2 | 181 |
| 10 | An error analysis of white matter tractography methods: synthetic diffusion tensor field simulations. Neurolmage, 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. Neurolmage, 2009, 44, 870-883. | 4.2 | 93 |
| 17 | Application of Brodmann's area templates for ROI selection in white matter tractography studies. Neurolmage, 2006, 29, 868-878. | 4.2 | 78 |
| 18 | Spontaneous brain activity in combat related PTSD. Neuroscience Letters, 2013, 547, 1-5. | 2.1 | 76 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 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. Brain Imaging and Behavior, 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. Abdominal Radiology, 2016, 41, 919-925. | 2.1 | 8 |
| 39 | Diffusion kurtosis imaging of gray matter in young adults with autism spectrum disorder. Scientific Reports, 2020, 10, 21465. | 3.3 | 8 |
| 40 | Quantitative Macromolecular Proton Fraction Mapping Reveals Altered Cortical Myelin Profile in Schizophrenia Spectrum Disorders. Cerebral Cortex Communications, 2021, 2, tgab015. | 1.6 | 8 |
| 41 | Reduced Microstructural Lateralization in Males with Chronic Schizophrenia: A Diffusional Kurtosis Imaging Study. Cerebral Cortex, 2020, 30, 2281-2294. | 2.9 | 5 |
| 42 | Global brain metabolic quantification with whole-head proton MRS at 3T. NMR in Biomedicine, 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. Biological Psychiatry, 2018, 83, S156. | 1.3 | 0 |
| 45 | T186. The Association Between Processing Speed and White Matter Tract Myelination in Schizophrenia. Biological Psychiatry, 2019, 85, S201-S202. | 1.3 | 0 |
| 46 | Association Between Gray Matter Microstructure, Cortical Thinning, Illness Duration and Executive Functioning in Psychotic Spectrum Disorders. Biological Psychiatry, 2020, 87, S143. | 1.3 | 0 |
| 47 | White Matter Microstructural Changes in Psychotic Spectrum Disorder are Associated With Cognitive Function and Symptoms. Biological Psychiatry, 2021, 89, S281-S282. | 1.3 | 0 |
| 48 | Increased Intracortical Myelin in Cognitively Preserved Patients With Psychotic Spectrum Disorders. Biological Psychiatry, 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. NeuroRehabilitation, 2022, 51, 133-150. | 1.3 | 0 |
| 50 | P581. Inverse Relationships Between Basal Ganglia Iron and Positive Psychotic Symptoms in Early Psychotic Spectrum Disorders. Biological Psychiatry, 2022, 91, S324. | 1.3 | 0 |