

Leticia Rittner

List of Publications by Year in descending order

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107
papers

1,095
citations

567281

15
h-index

477307

29
g-index

107
all docs

107
docs citations

107
times ranked

1288
citing authors

#	ARTICLE	IF	CITATIONS
1	Axonal dysfunction is associated with interferon- γ levels in childhood-onset systemic lupus erythematosus: a multivoxel magnetic resonance spectroscopy study. <i>Rheumatology</i> , 2022, 61, 1529-1537.	1.9	2
2	Automated quality check of corpus callosum segmentation using deep learning. , 2022, , .		1
3	Neuropsychiatric manifestations in childhood-onset systemic lupus erythematosus. <i>The Lancet Child and Adolescent Health</i> , 2022, 6, 571-581.	5.6	9
4	MultiATTUNet: Brain Tumor Segmentation and Survival Multitasking. <i>Lecture Notes in Computer Science</i> , 2021, , 424-434.	1.3	5
5	Explainable 3D-CNN for Multiple Sclerosis Patients Stratification. <i>Lecture Notes in Computer Science</i> , 2021, , 103-114.	1.3	1
6	Open-source toolbox for analysis and spectra quality control of magnetic resonance spectroscopic imaging. , 2021, , .		1
7	Diffusion MRI and silver standard masks to improve CNN-based thalamus segmentation. , 2021, , .		0
8	Hippocampus segmentation on epilepsy and Alzheimer's disease studies with multiple convolutional neural networks. <i>Heliyon</i> , 2021, 7, e06226.	3.2	32
9	AB0457â€¦HIPPOCAMPAL SUBFIELDS VOLUMES REDUCTION IN PATIENTS WITH SYSTEMIC SCLEROSIS: A LONGITUDINAL MAGNETIC RESONANCE IMAGING (MRI) VOLUMETRIC STUDY. <i>Annals of the Rheumatic Diseases</i> , 2021, 80, 1255.2-1256.	0.9	0
10	Automatic MR image quality evaluation using a Deep CNN: A reference-free method to rate motion artifacts in neuroimaging. <i>Computerized Medical Imaging and Graphics</i> , 2021, 90, 101897.	5.8	12
11	Rapidly deploying a COVID-19 decision support system in one of the largest Brazilian hospitals. <i>Health Informatics Journal</i> , 2021, 27, 146045822110330.	2.1	2
12	Interpretable deep learning as a means for decrypting disease signature in multiple sclerosis. <i>Journal of Neural Engineering</i> , 2021, 18, 0460a6.	3.5	9
13	inCCsight: A software for exploration and visualization of DT-MRI data of the Corpus Callosum. <i>Computers and Graphics</i> , 2021, 99, 259-271.	2.5	5
14	Deep Learning in Large and Multi-Site Structural Brain MR Imaging Datasets. <i>Frontiers in Neuroinformatics</i> , 2021, 15, 805669.	2.5	19
15	Volumetric segmentation of the corpus callosum: training a deep learning model on diffusion MRI. , 2021, , .		2
16	Multitasking segmentation of lung and COVID-19 findings in CT scans using modified EfficientDet, UNet and MobileNetV3 models. , 2021, , .		1
17	Proton magnetic resonance spectroscopy (¹ H-MRS) in rheumatic autoimmune diseases: A systematic review. <i>Lupus</i> , 2020, 29, 1873-1884.	1.6	8
18	A framework for quality control of corpus callosum segmentation in large-scale studies. <i>Journal of Neuroscience Methods</i> , 2020, 334, 108593.	2.5	8

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19	An extended-2D CNN for multiclass Alzheimer's Disease diagnosis through structural MRI. , 2020, , .		6
20	Hypothalamus fully automatic segmentation from MR images using a U-Net based architecture. , 2020, , .		4
21	Convolutional Neural Network on DTI Data for Sub-cortical Brain Structure Segmentation. Mathematics and Visualization, 2020, , 135-146.	0.6	0
22	Convolutional neural networks for skull-stripping in brain MR imaging using silver standard masks. Artificial Intelligence in Medicine, 2019, 98, 48-58.	6.5	33
23	Automatic identification of atherosclerosis subjects in a heterogeneous MR brain imaging data set. Magnetic Resonance Imaging, 2019, 62, 18-27.	1.8	10
24	Corpus Callosum Shape Signature for Segmentation Evaluation. IFMBE Proceedings, 2019, , 143-147.	0.3	2
25	Standardized Assessment of Automatic Segmentation of White Matter Hyperintensities and Results of the WMH Segmentation Challenge. IEEE Transactions on Medical Imaging, 2019, 38, 2556-2568.	8.9	165
26	V-Net and U-Net for Ischemic Stroke Lesion Segmentation in a Small Dataset of Perfusion Data. Lecture Notes in Computer Science, 2019, , 301-309.	1.3	8
27	THU0324â€¦.AXONAL DYSFUNCTION IN CEREBRAL WHITE MATTER IN SYSTEMIC SCLEROSIS: A PROTON MAGNETIC RESONANCE SPECTROSCOPIC IMAGING (Â¹H-MRSI) STUDY. , 2019, , .		0
28	Brain Extraction Network Trained with "Silver Standard" Data and Fine-Tuned with Manual Annotation for Improved Segmentation. , 2019, , .		0
29	Common Carotid Artery Lumen Automatic Segmentation from Cine Fast Spin Echo Magnetic Resonance Imaging. Lecture Notes in Computer Science, 2019, , 16-24.	1.3	0
30	Study of the technique of magnetic resonance spectroscopic imaging (MRSI) and application to evaluation of brain metabolites of systemic lupus erythematosus patients. Revista Dos Trabalhos De IniciaÃ§Ã£o CientÃfica Da UNICAMP, 2019, , .	0.0	0
31	Thalamic atrophy and mood changes in juvenile systemic erythematosus lupus (SEL). Revista Dos Trabalhos De IniciaÃ§Ã£o CientÃfica Da UNICAMP, 2019, , .	0.0	0
32	Improving estimates of brain metabolite concentrations in MR spectroscopic imaging (MRSI) through MRI content. , 2019, , .		0
33	Association of Plasmic Score with Neurological Symptoms in Patients with Thrombotic Thrombocytopenic Purpura (TTP). Blood, 2019, 134, 4894-4894.	1.4	2
34	Olfactory function in systemic lupus erythematosus and systemic sclerosis. A longitudinal study and review of the literature. Autoimmunity Reviews, 2018, 17, 405-412.	5.8	27
35	An open, multi-vendor, multi-field-strength brain MR dataset and analysis of publicly available skull stripping methods agreement. NeuroImage, 2018, 170, 482-494.	4.2	131
36	Brain diffusion tensor MRI in systematic lupus erythematosus: A systematic review. Autoimmunity Reviews, 2018, 17, 36-43.	5.8	34

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37	Computational methods for corpus callosum segmentation on MRI: A systematic literature review. <i>Computer Methods and Programs in Biomedicine</i> , 2018, 154, 25-35.	4.7	28
38	Tensorial Lucas-Kanade: An Optical Flow Estimator Based on Tensorial Color Representation and Tensorial Algebra. , 2018, , .		0
39	Silver standard masks for data augmentation applied to deep-learning-based skull-stripping. , 2018, , .		11
40	Automatic detection of motion artifacts on MRI using Deep CNN. , 2018, , .		16
41	Reliability of using single specialist annotation for designing and evaluating automatic segmentation methods: A skull stripping case study. , 2018, , .		1
42	Pixel-Based Classification Method for Corpus Callosum Segmentation on Diffusion-MRI. <i>Lecture Notes in Computational Vision and Biomechanics</i> , 2018, , 217-224.	0.5	2
43	WMH Segmentation Challenge: A Texture-Based Classification Approach. <i>Lecture Notes in Computer Science</i> , 2018, , 489-500.	1.3	4
44	Corpus Callosum 2D Segmentation on Diffusion Tensor Imaging Using Growing Neural Gas Network. <i>Lecture Notes in Computational Vision and Biomechanics</i> , 2018, , 208-216.	0.5	1
45	Automatic callosal fiber convergence plane computation through DTI-based divergence map. , 2018, , .		0
46	Corpus callosum parcellation methods: a quantitative comparative study. , 2018, , .		1
47	Magnetic resonance imaging in neuropsychiatric systemic lupus erythematosus: current state of the art and novel approaches. <i>Lupus</i> , 2017, 26, 517-521.	1.6	46
48	Prevalence and features of metabolic syndrome in childhood-onset systemic lupus erythematosus. <i>Clinical Rheumatology</i> , 2017, 36, 1527-1535.	2.2	8
49	iamxt: Max-tree toolbox for image processing and analysis. <i>SoftwareX</i> , 2017, 6, 81-84.	2.6	9
50	Predominant posterior cerebral cortical atrophy in patients with DMD mutations. <i>Neuromuscular Disorders</i> , 2017, 27, S115.	0.6	0
51	Data-Driven Corpus Callosum Parcellation Method Through Diffusion Tensor Imaging. <i>IEEE Access</i> , 2017, 5, 22421-22432.	4.2	11
52	Common Carotid Artery Lumen Segmentation from Cardiac Cycle-Resolved Cine Fast Spin Echo Magnetic Resonance Imaging. , 2017, , .		0
53	Probabilistic Segmentation of Brain White Matter Lesions Using Texture-Based Classification. <i>Lecture Notes in Computer Science</i> , 2017, , 71-78.	1.3	3
54	Reduction of Cerebral and Corpus Callosum Volumes in Childhood-Onset Systemic Lupus Erythematosus: A Volumetric Magnetic Resonance Imaging Analysis. <i>Arthritis and Rheumatology</i> , 2016, 68, 2193-2199.	5.6	19

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55	An Overview of Max-Tree Principles, Algorithms and Applications. , 2016, , .		4
56	Extinction profiles: A novel approach for the analysis of remote sensing data. , 2016, , .		3
57	Divergence map from diffusion tensor imaging: Concepts and application to corpus callosum. , 2016, 2016, 1120-1123.		3
58	A Max-Tree Simplification Proposal and Applications for the Interactive Max-Tree Visualization Tool. , 2016, , .		2
59	3D texture-based classification applied on brain white matter lesions on MR images. Proceedings of SPIE, 2016, , .	0.8	2
60	Hyperspectral Data Classification Using Extended Extinction Profiles. IEEE Geoscience and Remote Sensing Letters, 2016, 13, 1641-1645.	3.1	61
61	Extinction Profiles for the Classification of Remote Sensing Data. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 5631-5645.	6.3	122
62	Extended extinction profile for the classification of hyperspectral images. , 2016, , .		1
63	An array-based node-oriented max-tree representation. , 2015, , .		9
64	AB1021â€¦Prevalence and Neuroimaging Correlates of Central Ataxia In Childhood-Onset Systemic Lupus Erythematosus. Annals of the Rheumatic Diseases, 2015, 74, 1240.1-1240.	0.9	0
65	Interactive max-tree visualization tool for image processing and analysis. , 2015, , .		7
66	Mid-callosal plane determination using preferred directions from diffusion tensor images. Proceedings of SPIE, 2015, , .	0.8	0
67	Web-based platform for collaborative medical imaging research. , 2015, , .		0
68	Etiology-based classification of brain white matter hyperintensity on magnetic resonance imaging. Journal of Medical Imaging, 2015, 2, 014002.	1.5	19
69	A Comparison Between Extinction Filters and Attribute Filters. Lecture Notes in Computer Science, 2015, , 63-74.	1.3	10
70	Automatic DTI-based parcellation of the corpus callosum through the watershed transform. Revista Brasileira De Engenharia Biomedica, 2014, 30, 132-143.	0.3	11
71	Maximal Max-Tree Simplification. , 2014, , .		6
72	Multiple fuzzy object modeling improves sensitivity in automatic anatomy recognition. Proceedings of SPIE, 2014, , .	0.8	2

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73	A comparison between k-Optimum Path Forest and k-Nearest Neighbors supervised classifiers. Pattern Recognition Letters, 2014, 39, 2-10.	4.2	21
74	Analysis of Scalar Maps for the Segmentation of the Corpus Callosum in Diffusion Tensor Fields. Journal of Mathematical Imaging and Vision, 2013, 45, 214-226.	1.3	17
75	THU0335â€¦Support vector machines classification of texture parameters of white matter lesions in childhood-onset systemic lupus erythematosus. Possible mechanism to distinguish between demyelination and ischemia. Annals of the Rheumatic Diseases, 2013, 71, 269.1-269.	0.9	1
76	Analysis of brain white matter hyperintensities using pattern recognition techniques. Proceedings of SPIE, 2013, , .	0.8	0
77	THU0160â€¦White matter lesions are predominantly demyelinating in systemic lupus erythematosus. An support vector machines classification of texture parameters. Annals of the Rheumatic Diseases, 2013, 71, 209.3-210.	0.9	0
78	Watershed-based segmentation of the corpus callosum in diffusion MRI. Proceedings of SPIE, 2012, , .	0.8	1
79	A Comparison between Optimum-Path Forest and k-Nearest Neighbors Classifiers. , 2012, , .		8
80	Watershed-Based Segmentation of the Midsagittal Section of the Corpus Callosum in Diffusion MRI. , 2011, , .		11
81	Adessowiki - Collaborative platform for writing executable papers. Procedia Computer Science, 2011, 4, 759-767.	2.0	2
82	Adessowiki: Collaborative Scientific Programming Environment. , 2011, , .		1
83	A tensorial framework for color images. Pattern Recognition Letters, 2010, 31, 277-296.	4.2	13
84	Segmentation of thalamic nuclei based on tensorial morphological gradient of diffusion tensor fields. , 2010, , .		10
85	Morphological Image Processing Applied in Biomedicine. Biological and Medical Physics Series, 2010, , 107-129.	0.4	2
86	Segmentation of Brain Structures by Watershed Transform on Tensorial Morphological Gradient of Diffusion Tensor Imaging. , 2009, , .		0
87	Segmentation of DTI based on tensorial morphological gradient. Proceedings of SPIE, 2009, , .	0.8	2
88	Diffusion Tensor Imaging Segmentation by Watershed Transform on Tensorial Morphological Gradient. , 2008, , .		7
89	Nondeterministic Criteria to Discard Redundant Information in Real Time Autonomous Navigation Systems based on Monocular Vision. , 2008, , .		4
90	Pearson's Correlation Coefficient for Discarding Redundant Information in Real Time Autonomous Navigation System. Control Applications (CCA), Proceedings of the IEEE International Conference on, 2007, , .	0.0	18

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91	New Tensorial Representation of Color Images: Tensorial Morphological Gradient Applied to Color Image Segmentation. , 2007, , .		7
92	New Tensorial Representation of Color Images: Tensorial Morphological Gradient Applied to Color Image Segmentation. Computer Graphics and Image Processing (SIBGRAPI), Proceedings of the Brazilian Symposium on, 2007, , .	0.0	0
93	A simple and efficient Road Detection Algorithm for Real Time Autonomous Navigation based on Monocular Vision. , 2006, , .		9
94	Cortical and subcortical brain alterations in patients with systemic sclerosis: a longitudinal magnetic resonance imaging (MRI) study. , 0, , .		0
95	Longitudinal assessment of axonal dysfunction in Systemic Lupus Erythematosus. , 0, , .		0
96	HIPPOCAMPAL DYSFUNCTION IN SYSTEMIC SCLEROSIS: A LONGITUDINAL PROTON MAGNETIC RESONANCE SPECTROSCOPIC IMAGING ($\hat{A}^1\text{H-MRSI}$) STUDY. , 0, , .		0
97	Association between Th1 and Th2 cytokines with axonal dysfunction in Systemic Lupus Eryhematosus. , 0, , .		0
98	MICROSTRUCTURAL CHANGES OF THE CORPUS CALLOSUM BY MAGNETIC RESONANCE IMAGING IN ADULT PATIENTS WITH SYSTEMIC LUPUS ERYTHEMATOSUS ACCORDING TO THE AGE OF DISEASE ONSET. , 0, , .		0
99	AUTOANTIBODIES ARE ASSOCIATED WITH DIFFERENT PATTERNS OF BRAIN VOLUME REDUCTION CHILDHOOD-ONSET SYSTEMIC LUPUS ERYTHEMATOSUS. , 0, , .		0
100	HYDROXICHLOROQUINE IS ASSOCIATED WITH INCREASED GRAY MATTER VOLUME IN CHILDHOOD-ONSET SYSTEMIC LUPUS ERYTHEMATOSUS. , 0, , .		0
101	THE USE OF MAGNETIC RESONANCE IN THE DIVISION OF THE CORPUS CALLOSUM IN ADULT PATIENTS WITH SYSTEMIC LUPUS ERYTHEMATOSUS ACCORDING TO THE AGE OF ONSET OF THE DISEASE. , 0, , .		0
102	Total corpus callosum volume in patients with systemic lupus erythematosus according to age at disease onset - a longitudinal study. , 0, , .		0
103	Study of the technique of magnetic resonance spectroscopic imaging (MRSI) and application to evaluation of brain metabolites of systemic lupus erythematosus patients. , 0, , .		0
104	LONGITUDINAL EVALUATION OF CEREBRAL FUNCTION THROUGH PROTON MAGNETIC RESONANCE SPECTROSCOPY IN SYSTEMIC LUPUS ERYTHEMATOSUS. , 0, , .		0
105	LONGITUDINAL EVALUATION OF AXONAL DYSFUNCTION, NEURONAL MARKERS AND PROINFLAMMATORY CYTOKINES IN CHILDHOOD-ONSET SYSTEMIC LUPUS ERYTHEMATOSUS. , 0, , .		0
106	COMPARISON OF CORPUS CALLOSUM ATROPHY IN SYSTEMIC LUPUS ERYTHEMATOSUS ACCORDING TO THE AGE OF ONSET OF THE DISEASE. , 0, , .		0
107	EVIDENCE OF AXONAL DYSFUNCTION IN CEREBRAL WHITE MATTER IN PATIENTS WITH SYSTEMIC SCLEROSIS: A PROTON MAGNETIC RESONANCE SPECTROSCOPIC IMAGING ($\hat{A}^1\text{H-MRSI}$) STUDY. , 0, , .		0