

Chia-Feng Lu

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

864
citations

567144

15
h-index

526166

27
g-index

52
all docs

52
docs citations

52
times ranked

1619
citing authors

#	ARTICLE	IF	CITATIONS
1	Machine Learning-Based Radiomics for Molecular Subtyping of Gliomas. <i>Clinical Cancer Research</i> , 2018, 24, 4429-4436.	3.2	222
2	Maintaining Gait Performance by Cortical Activation during Dual-Task Interference: A Functional Near-Infrared Spectroscopy Study. <i>PLoS ONE</i> , 2015, 10, e0129390.	1.1	68
3	Altered Resting-State Functional Connectivity of Striatal-Thalamic Circuit in Bipolar Disorder. <i>PLoS ONE</i> , 2014, 9, e96422.	1.1	59
4	Co-activation of primary motor cortex ipsilateral to muscles contracting in a unilateral motor task. <i>Clinical Neurophysiology</i> , 2013, 124, 1353-1363.	0.7	43
5	Brain Activation and Gait Alteration During Cognitive and Motor Dual Task Walking in Stroke—A Functional Near-Infrared Spectroscopy Study. <i>IEEE Transactions on Neural Systems and Rehabilitation Engineering</i> , 2018, 26, 2416-2423.	2.7	41
6	Reorganization of functional connectivity during the motor task using EEG time-frequency cross mutual information analysis. <i>Clinical Neurophysiology</i> , 2011, 122, 1569-1579.	0.7	36
7	Prediction of pseudoprogression and long-term outcome of vestibular schwannoma after Gamma Knife radiosurgery based on preradiosurgical MR radiomics. <i>Radiotherapy and Oncology</i> , 2021, 155, 123-130.	0.3	28
8	Disrupted cerebellar connectivity reduces whole-brain network efficiency in multiple system atrophy. <i>Movement Disorders</i> , 2013, 28, 362-369.	2.2	25
9	Applying artificial intelligence to longitudinal imaging analysis of vestibular schwannoma following radiosurgery. <i>Scientific Reports</i> , 2021, 11, 3106.	1.6	23
10	Assessing the selective therapeutic efficacy of superparamagnetic erlotinib nanoparticles in lung cancer by using quantitative magnetic resonance imaging and a nuclear factor kappa-B reporter gene system. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2018, 14, 1019-1031.	1.7	22
11	Enhancement of Radiosurgical Treatment Outcome Prediction Using MRI Radiomics in Patients with Non-Small Cell Lung Cancer Brain Metastases. <i>Cancers</i> , 2021, 13, 4030.	1.7	19
12	Combining analysis of multi-parametric MR images into a convolutional neural network: Precise target delineation for vestibular schwannoma treatment planning. <i>Artificial Intelligence in Medicine</i> , 2020, 107, 101911.	3.8	18
13	Three-dimensional reconstruction of cranial defect using active contour model and image registration. <i>Medical and Biological Engineering and Computing</i> , 2011, 49, 203-211.	1.6	17
14	Identification of epidermal growth factor receptor-positive glioblastoma using lipid-encapsulated targeted superparamagnetic iron oxide nanoparticles in vitro. <i>Journal of Nanobiotechnology</i> , 2017, 15, 86.	4.2	17
15	A Functional Near-Infrared Spectroscopy Study of State Anxiety and Auditory Working Memory Load. <i>Frontiers in Human Neuroscience</i> , 2018, 12, 313.	1.0	17
16	Cortical inhibitory and excitatory function in drug-naive generalized anxiety disorder. <i>Brain Stimulation</i> , 2017, 10, 604-608.	0.7	16
17	The involvement of supratentorial white matter in multiple system atrophy: a diffusion tensor imaging tractography study. <i>Acta Neurologica Belgica</i> , 2017, 117, 213-220.	0.5	16
18	Magnetic resonance radiomics features and prognosticators in different molecular subtypes of pediatric Medulloblastoma. <i>PLoS ONE</i> , 2021, 16, e0255500.	1.1	16

#	ARTICLE	IF	CITATIONS
19	Sculpting the Intrinsic Modular Organization of Spontaneous Brain Activity by Art. PLoS ONE, 2013, 8, e66761.	1.1	15
20	Fractional Anisotropy in Corpus Callosum Is Associated with Facilitation of Motor Representation during Ipsilateral Hand Movements. PLoS ONE, 2014, 9, e104218.	1.1	15
21	Novel gait training alters functional brain connectivity during walking in chronic stroke patients: a randomized controlled pilot trial. Journal of NeuroEngineering and Rehabilitation, 2019, 16, 33.	2.4	14
22	Classification of bipolar disorder using basal-ganglia-related functional connectivity in the resting state. , 2013, 2013, 1057-60.		12
23	Medullo-ponto-cerebellar white matter degeneration altered brain network organization and cortical morphology in multiple system atrophy. Brain Structure and Function, 2014, 219, 947-958.	1.2	11
24	Using three-dimensional multigrid-based snake and multiresolution image registration for reconstruction of cranial defect. Medical and Biological Engineering and Computing, 2013, 51, 89-101.	1.6	10
25	Differentiation of the Infarct Core from Ischemic Penumbra within the First 4.5 Hours, Using Diffusion Tensor Imaging-Derived Metrics: A Rat Model. Korean Journal of Radiology, 2017, 18, 269.	1.5	10
26	Intra- and Inter-Modular Connectivity Alterations in the Brain Structural Network of Spinocerebellar Ataxia Type 3. Entropy, 2019, 21, 317.	1.1	9
27	Behavioral and Structural Effects of Single and Repeat Closed-Head Injury. American Journal of Neuroradiology, 2019, 40, 601-608.	1.2	8
28	Cortical Shape and Curvedness Analysis of Structural Deficits in Remitting and Non-Remitting Depression. PLoS ONE, 2013, 8, e68625.	1.1	7
29	Dynamics of hemoglobin states in the sensorimotor cortex during motor tasks: A functional near infrared spectroscopy study. , 2013, 2013, 1803-6.		5
30	Beta Event-Related Desynchronization Can Be Enhanced by Different Training Programs and Is Correlated With Improved Postural Control in Individuals With Parkinsonâ€™s Disease. IEEE Transactions on Neural Systems and Rehabilitation Engineering, 2018, 26, 1957-1964.	2.7	5
31	Radiomics-Based Predictive Model of Radiation-Induced Liver Disease in Hepatocellular Carcinoma Patients Receiving Stereo-Tactic Body Radiotherapy. Biomedicines, 2022, 10, 597.	1.4	5
32	Frontal asymmetry as a core feature of major depression: a functional near-infrared spectroscopy study. Journal of Psychiatry and Neuroscience, 2022, 47, E186-E193.	1.4	5
33	Use of Contrast Medium Volume to Guide Prophylactic Hydration to Prevent Acute Kidney Injury After Contrast Administration: A Meta-Analysis. American Journal of Roentgenology, 2020, 215, 15-24.	1.0	4
34	Segmentation of diffusion-weighted brain images using expectation maximization algorithm initialized by hierarchical clustering. , 2008, 2008, 5502-5.		3
35	Hemodynamic Segmentation of Brain Perfusion Images with Delay and Dispersion Effects Using an Expectation-Maximization Algorithm. PLoS ONE, 2013, 8, e68986.	1.1	3
36	Attention Drawing of Movie Trailers Revealed by Electroencephography Using Sample Entropy. Journal of Biosciences and Medicines, 2014, 02, 6-11.	0.1	3

#	ARTICLE	IF	CITATIONS
37	Comparison of Conventional and Radiomic Features between 18F-FBPA PET/CT and PET/MR. <i>Biomolecules</i> , 2021, 11, 1659.	1.8	3
38	Multiarea Brain Activation and Gait Deterioration During a Cognitive and Motor Dual Task in Individuals With Parkinson Disease. <i>Journal of Neurologic Physical Therapy</i> , 2022, 46, 260-269.	0.7	3
39	Genetic Predisposition and Disease Expression of Bipolar Disorder Reflected in Shape Changes of the Anterior Limbic Network. <i>Brain Sciences</i> , 2019, 9, 240.	1.1	2
40	A neuronal fiber tracking study for major depressive disorder using MR diffusion tensor imaging with fiber tractography. , 2010, , .		1
41	Blind Source Separation of Hemodynamics from Magnetic Resonance Perfusion Brain Images Using Independent Factor Analysis. <i>International Journal of Biomedical Imaging</i> , 2010, 2010, 1-9.	3.0	1
42	Investigation of differences on functional connectivity in major depressive disorder using functional magnetic resonance imaging. , 2010, , .		1
43	Investigation of differences on cortical connectivity between patients with major depressive disorder and normal subjects using MR diffusion tensor imaging. , 2010, , .		1
44	Early neuroimaging and ultrastructural correlates of injury outcome after neonatal hypoxic-ischaemia. <i>Brain Communications</i> , 2021, 3, fcab048.	1.5	1
45	Detection of Vestibular Schwannoma on Triple-parametric Magnetic Resonance Images Using Convolutional Neural Networks. <i>Journal of Medical and Biological Engineering</i> , 2021, 41, 626.	1.0	1
46	Using Fuzzy Classifier in Ensemble Method for Motor Imagery Electroencephalography Classification. <i>International Journal of Fuzzy Systems</i> , 0, , 1.	2.3	1
47	Skull-based registration of intra-subject CT images: The effects of different resolutions and partial contents. , 2010, , .		0
48	Consistency of Motor-Imagery Frequency Band is Associated with the Performance of Real-Time Brain Computer Interface. , 2019, , .		0
49	Hemodynamics Segregation Using Expectation-Maximization Algorithm Initialized by Hierarchical Clustering on MR Dynamic Images from Patients with Unilateral Internal Carotid Artery Stenosis. <i>IFMBE Proceedings</i> , 2009, , 936-939.	0.2	0
50	Segmentation of Vestibular Schwannoma from Multi-parametric Magnetic Resonance Images using Convolutional Neural Network. , 2019, , .		0