Yu-Chen Chen

List of Publications by Year
in descending order

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125 papers	2,591 citations	279487 23 h-index	276539 41 g-index
131 all docs	131 docs citations	131 times ranked	2564 citing authors

#	Article	IF	Citations
1	Tinnitus and hyperacusis involve hyperactivity and enhanced connectivity in auditory-limbic-arousal-cerebellar network. ELife, 2015, 4, e06576.	2.8	188
2	Altered Spontaneous Brain Activity in Type 2 Diabetes: A Resting-State Functional MRI Study. Diabetes, 2014, 63, 749-760.	0.3	178
3	Aberrant Brain Functional Connectivity Related to Insulin Resistance in Type 2 Diabetes: A Resting-State fMRI Study. Diabetes Care, 2014, 37, 1689-1696.	4.3	109
4	Tinnitus distress is linked to enhanced restingâ€state functional connectivity from the limbic system to the auditory cortex. Human Brain Mapping, 2017, 38, 2384-2397.	1.9	104
5	A Deep Learning-Based Radiomics Model for Differentiating Benign and Malignant Renal Tumors. Translational Oncology, 2019, 12, 292-300.	1.7	103
6	Aberrant spontaneous brain activity in chronic tinnitus patients revealed by resting-state functional MRI. NeuroImage: Clinical, 2014, 6, 222-228.	1.4	70
7	Interpretation of CT signs of 2019 novel coronavirus (COVID-19) pneumonia. European Radiology, 2020, 30, 5455-5462.	2.3	67
8	Impairments of thalamic resting-state functional connectivity in patients with chronic tinnitus. European Journal of Radiology, 2015, 84, 1277-1284.	1.2	54
9	Impaired intrinsic functional connectivity between the thalamus and visual cortex in migraine without aura. Journal of Headache and Pain, 2019, 20, 116.	2.5	49
10	In vivo MRI detection of carotid atherosclerotic lesions and kidney inflammation in ApoE-deficient mice by using LOX-1 targeted iron nanoparticles. Nanomedicine: Nanotechnology, Biology, and Medicine, 2014, 10, 639-649.	1.7	48
11	Disrupted Brain Functional Network Architecture in Chronic Tinnitus Patients. Frontiers in Aging Neuroscience, 2016, 8, 174.	1.7	48
12	Altered Intra- and Interregional Synchronization in Resting-State Cerebral Networks Associated with Chronic Tinnitus. Neural Plasticity, 2015, 2015, 1-11.	1.0	46
13	Frequency-specific alternations in the amplitude of low-frequency fluctuations in chronic tinnitus. Frontiers in Neural Circuits, 2015, 9, 67.	1.4	44
14	Abnormal Resting-State Functional Connectivity of the Anterior Cingulate Cortex in Unilateral Chronic Tinnitus Patients. Frontiers in Neuroscience, 2018, 12, 9.	1.4	43
15	Tinnitus and hyperacusis: Contributions of paraflocculus, reticular formation and stress. Hearing Research, 2017, 349, 208-222.	0.9	38
16	Decreased functional connectivity within the default-mode network in acute brainstem ischemic stroke. European Journal of Radiology, 2018, 105, 221-226.	1.2	38
17	Presbycusis Disrupts Spontaneous Activity Revealed by Resting-State Functional MRI. Frontiers in Behavioral Neuroscience, 2018, 12, 44.	1.0	37
18	Thalamic resting-state functional connectivity: disruption in patients with type 2 diabetes. Metabolic Brain Disease, 2015, 30, 1227-1236.	1.4	36

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19	Disrupted functional network connectivity predicts cognitive impairment after acute mild traumatic brain injury. CNS Neuroscience and Therapeutics, 2020, 26, 1083-1091.	1.9	33
20	Tinnitus distress is associated with enhanced resting-state functional connectivity within the default mode network. Neuropsychiatric Disease and Treatment, 2018, Volume 14, 1919-1927.	1.0	32
21	Altered Interhemispheric Functional Coordination in Chronic Tinnitus Patients. BioMed Research International, 2015, 2015, 1-8.	0.9	29
22	Impaired effective functional connectivity of the sensorimotor network in interictal episodic migraineurs without aura. Journal of Headache and Pain, 2020, 21, 111.	2.5	29
23	Alterations of brain activity and functional connectivity in transition from acute to chronic tinnitus. Human Brain Mapping, 2021, 42, 485-494.	1.9	29
24	Impaired functional connectivity of limbic system in migraine without aura. Brain Imaging and Behavior, 2020, 14, 1805-1814.	1.1	28
25	Precise Characterization of the Penumbra Revealed by MRI: A Modified Photothrombotic Stroke Model Study. PLoS ONE, 2016, 11, e0153756.	1.1	28
26	Alterations of the default mode network and cognitive impairment in patients with unilateral chronic tinnitus. Quantitative Imaging in Medicine and Surgery, 2018, 8, 1020-1029.	1.1	27
27	Altered functional connectivity of the red nucleus and substantia nigra in migraine without aura. Journal of Headache and Pain, 2019, 20, 104.	2.5	27
28	Disrupted Spontaneous Neural Activity Related to Cognitive Impairment in Postpartum Women. Frontiers in Psychology, 2018, 9, 624.	1.1	26
29	Glucose Fluctuations Are Linked to Disrupted Brain Functional Architecture and Cognitive Impairment. Journal of Alzheimer's Disease, 2020, 74, 603-613.	1.2	26
30	Directed functional connectivity of the hippocampus in patients with presbycusis. Brain Imaging and Behavior, 2020, 14, 917-926.	1.1	24
31	Altered lateral geniculate nucleus functional connectivity in migraine without aura: a resting-state functional MRI study. Journal of Headache and Pain, 2020, 21, 17.	2.5	24
32	An automatic machine learning approach for ischemic stroke onset time identification based on DWI and FLAIR imaging. NeuroImage: Clinical, 2021, 31, 102744.	1.4	24
33	Increased Resting-State Cerebellar-Cerebral Functional Connectivity Underlying Chronic Tinnitus. Frontiers in Aging Neuroscience, 2018, 10, 59.	1.7	23
34	Lateralization effects on functional connectivity of the auditory network in patients with unilateral pulsatile tinnitus as detected by functional MRI. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2018, 81, 228-235.	2.5	22
35	FLAIR vascular hyperintensity in acute stroke is associated with collateralization and functional outcome. European Radiology, 2019, 29, 4879-4888.	2.3	22
36	Deep learning based automatic diagnosis of first-episode psychosis, bipolar disorder and healthy controls. Computerized Medical Imaging and Graphics, 2021, 89, 101882.	3.5	22

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37	Different Patterns of Functional Connectivity Alterations Within the Default-Mode Network and Sensorimotor Network in Basal Ganglia and Pontine Stroke. Medical Science Monitor, 2019, 25, 9585-9593.	0.5	22
38	Regional Coherence Alterations Revealed by Resting-State fMRI in Post-Stroke Patients with Cognitive Dysfunction. PLoS ONE, 2016, 11, e0159574.	1.1	22
39	Chemotherapy-induced functional changes of the default mode network in patients with lung cancer. Brain Imaging and Behavior, 2020, 14, 847-856.	1.1	21
40	Motor asymmetry related cerebral perfusion patterns in Parkinson's disease: An arterial spin labeling study. Human Brain Mapping, 2021, 42, 298-309.	1.9	20
41	Disrupted brain functional hub and causal connectivity in acute mild traumatic brain injury. Aging, 2019, 11, 10684-10696.	1.4	20
42	Pre-treatment Ongoing Cortical Oscillatory Activity Predicts Improvement of Tinnitus After Partial Peripheral Reafferentation With Hearing Aids. Frontiers in Neuroscience, 2020, 14, 410.	1.4	19
43	Functional connectivity dysfunction of insular subdivisions in cognitive impairment after acute mild traumatic brain injury. Brain Imaging and Behavior, 2020, 14, 941-948.	1.1	19
44	Amygdala functional disconnection with the prefrontal-cingulate-temporal circuit in chronic tinnitus patients with depressive mood. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2017, 79, 249-257.	2.5	18
45	Chronic Tinnitus Exhibits Bidirectional Functional Dysconnectivity in Frontostriatal Circuit. Frontiers in Neuroscience, 2019, 13, 1299.	1.4	18
46	Altered hypothalamic functional connectivity in post-traumatic headache after mild traumatic brain injury. Journal of Headache and Pain, 2020, 21, 93.	2.5	18
47	Cerebral Blood Flow and Its Connectivity Deficits in Mild Traumatic Brain Injury at the Acute Stage. Neural Plasticity, 2020, 2020, 1-10.	1.0	17
48	Disrupted Functional Network Connectivity Predicts Cognitive Impairment in Presbycusis Patients. Frontiers in Aging Neuroscience, 2020, 12, 246.	1.7	17
49	Functional connectivity of the visual cortex differentiates anxiety comorbidity from episodic migraineurs without aura. Journal of Headache and Pain, 2021, 22, 40.	2.5	17
50	Assessment of normalized cerebral blood flow and its connectivity with migraines without aura during interictal periods by arterial spin labeling. Journal of Headache and Pain, 2021, 22, 72.	2.5	17
51	Analysis of DTI-Derived Tensor Metrics in Differential Diagnosis between Low-grade and High-grade Gliomas. Frontiers in Aging Neuroscience, 2017, 9, 271.	1.7	16
52	Aberrant Static and Dynamic Functional Network Connectivity in Acute Mild Traumatic Brain Injury with Cognitive Impairment. Clinical Neuroradiology, 2022, 32, 205-214.	1.0	16
53	A deep learningâ€based model for prediction of hemorrhagic transformation after stroke. Brain Pathology, 2023, 33, e13023.	2.1	16
54	Disrupted functional connectivity of the amygdala is associated with depressive mood in type 2 diabetes patients. Journal of Affective Disorders, 2018, 228, 207-215.	2.0	15

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55	Optimal threshold for the diagnosis of anemia severity on unenhanced thoracic CT: A preliminary study. European Journal of Radiology, 2018, 108, 236-241.	1.2	15
56	Altered Dynamic Neural Activity in the Default Mode Network in Lung Cancer Patients After Chemotherapy. Medical Science Monitor, 2020, 26, e921700.	0.5	15
57	Region-Specific Neurovascular Decoupling Associated With Cognitive Decline in Parkinsonâ€™s Disease. Frontiers in Aging Neuroscience, 2021, 13, 770528.	1.7	15
58	Vestibular Cochlear Manifestations in COVID-19 Cases. Frontiers in Neurology, 2022, 13, 850337.	1.1	15
59	Decreased Spontaneous Brain Activity and Functional Connectivity in Type 1 Diabetic Patients Without Microvascular Complications. Cellular Physiology and Biochemistry, 2018, 51, 2694-2703.	1.1	14
60	Neuroanatomical and functional alterations of insula in mild traumatic brain injury patients at the acute stage. Brain Imaging and Behavior, 2020, 14, 907-916.	1.1	14
61	Multi-View Intact Space Learning for Tinnitus Classification in Resting State EEG. Neural Processing Letters, 2019, 49, 611-624.	2.0	13
62	FLAIR hyperintensities-DWI mismatch in acute stroke: associations with DWI volume and functional outcome. Brain Imaging and Behavior, 2020, 14, 1230-1237.	1.1	13
63	Functional Neuroanatomy of Salicylate- and Noise-Induced Tinnitus and Hyperacusis. Current Topics in Behavioral Neurosciences, 2020, 51, 133-160.	0.8	13
64	Disrupted brain functional network topology in unilateral acute brainstem ischemic stroke. Brain Imaging and Behavior, 2021, 15, 444-452.	1.1	13
65	Review: Neural Mechanisms of Tinnitus and Hyperacusis in Acute Drug-Induced Ototoxicity. American Journal of Audiology, 2021, 30, 901-915.	0.5	13
66	Aberrant cerebral blood flow in tinnitus patients with migraine: a perfusion functional MRI study. Journal of Headache and Pain, 2021, 22, 61.	2.5	13
67	Oneâ€step analysis of brain perfusion and function for acute stroke patients after reperfusion: A restingâ€state fMRI study. Journal of Magnetic Resonance Imaging, 2019, 50, 221-229.	1.9	12
68	Alterations of brain network topology and structural connectivityâ€functional connectivity coupling in capsular versus pontine stroke. European Journal of Neurology, 2021, 28, 1967-1976.	1.7	12
69	Alterations in effective connectivity within the Papez circuit are correlated with insulin resistance in T2DM patients without mild cognitive impairment. Brain Imaging and Behavior, 2020, 14, 1238-1246.	1.1	11
70	Aberrant static and dynamic functional connectivity of the executive control network in lung cancer patients after chemotherapy: a longitudinal fMRI study. Brain Imaging and Behavior, 2020, 14, 927-940.	1.1	11
71	Hybrid PET-MRI for early detection of dopaminergic dysfunction and microstructural degradation involved in Parkinsonâ€™s disease. Communications Biology, 2021, 4, 1162.	2.0	11
72	Human-Guided Functional Connectivity Network Estimation for Chronic Tinnitus Identification: A Modularity View. IEEE Journal of Biomedical and Health Informatics, 2022, 26, 4849-4858.	3.9	11

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73	Functional connectivity disruption of the substantia nigra associated with cognitive impairment in acute mild traumatic brain injury. European Journal of Radiology, 2019, 114, 69-75.	1.2	10
74	Collateral vessels on magnetic resonance angiography in endovascular-treated acute ischemic stroke patients associated with clinical outcomes. Oncotarget, 2017, 8, 81529-81537.	0.8	10
75	Topological features of limbic dysfunction in chronicity of tinnitus with intact hearing: New hypothesis for â€˜noise-cancellationâ€™ mechanism. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2022, 113, 110459.	2.5	10
76	Development and external validation of a stability machine learning model to identify wake-up stroke onset time from MRI. European Radiology, 2022, 32, 3661-3669.	2.3	10
77	LOX-1-Targeted Iron Oxide Nanoparticles Detect Early Diabetic Nephropathy in db/db Mice. Molecular Imaging and Biology, 2015, 17, 652-660.	1.3	9
78	Diffusion-weighted imaging (DWI) ischemic volume is related to FLAIR hyperintensity-DWI mismatch and functional outcome after endovascular therapy. Quantitative Imaging in Medicine and Surgery, 2020, 10, 356-367.	1.1	9
79	Aberrant cerebral perfusion pattern in amnestic mild cognitive impairment and Parkinsonâ€™s disease with mild cognitive impairment: a comparative arterial spin labeling study. Quantitative Imaging in Medicine and Surgery, 2021, 11, 3082-3097.	1.1	9
80	Transfer Learning-Based DCE-MRI Method for Identifying Differentiation Between Benign and Malignant Breast Tumors. IEEE Access, 2020, 8, 17527-17534.	2.6	8
81	Reduced functional network connectivity is associated with upper limb dysfunction in acute ischemic brainstem stroke. Brain Imaging and Behavior, 2022, 16, 802-810.	1.1	8
82	Aberrant Brain Functional Connectivity Strength and Effective Connectivity in Patients with Type 2 Diabetes Mellitus. Journal of Diabetes Research, 2021, 2021, 1-10.	1.0	8
83	Altered static and dynamic functional network connectivity in post-traumatic headache. Journal of Headache and Pain, 2021, 22, 137.	2.5	8
84	Specific brain network predictors of interventions with different mechanisms for tinnitus patients. EBioMedicine, 2022, 76, 103862.	2.7	8
85	MRI Radiomics Features From Infarction and Cerebrospinal Fluid for Prediction of Cerebral Edema After Acute Ischemic Stroke. Frontiers in Aging Neuroscience, 2022, 14, 782036.	1.7	8
86	Early disturbance of dynamic synchronization and neurovascular coupling in cognitively normal Parkinsonâ€™s disease. Journal of Cerebral Blood Flow and Metabolism, 2022, 42, 1719-1731.	2.4	8
87	Disruption within brain default mode network in postpartum women without depression. Medicine (United States), 2020, 99, e20045.	0.4	7
88	A preliminary study of cortical morphology changes in acute brainstem ischemic stroke patients. Medicine (United States), 2021, 100, e24262.	0.4	7
89	Corticospinal tract changes in acute brainstem ischemic stroke patients: A diffusion kurtosis imaging study. Neurology India, 2018, 66, 726.	0.2	7
90	Disrupted Dynamic Functional Connectivity of the Visual Network in Episodic Patients with Migraine without Aura. Neural Plasticity, 2022, 2022, 1-10.	1.0	7

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91	Abnormal Static and Dynamic Functional Network Connectivity in Patients With Presbycusis. Frontiers in Aging Neuroscience, 2021, 13, 774901.	1.7	7
92	Reorganized Brain Functional Network Topology in Presbycusis. Frontiers in Aging Neuroscience, 0, 14, .	1.7	7
93	Aberrant brain functional hubs and causal connectivity in presbycusis. Brain Imaging and Behavior, 2021, 15, 453-463.	1.1	6
94	Aberrant functional and effective connectivity of the frontostriatal network in unilateral acute tinnitus patients with hearing loss. Brain Imaging and Behavior, 2022, 16, 151-160.	1.1	6
95	Mapping the Interactive Effects of ApoE Gene Polymorphism on Caudate Functional Connectivity in Mild Cognitive Impairment Associated With Parkinsonâ€™s Disease. Frontiers in Neuroscience, 2020, 14, 857.	1.4	5
96	Aberrant activity within auditory network is associated with psychiatric comorbidities in interictal migraineurs without aura. Brain Imaging and Behavior, 2021, 15, 2464-2471.	1.1	5
97	Brain Surface Area Alterations Correlate With Gait Impairments in Parkinsonâ€™s Disease. Frontiers in Aging Neuroscience, 2022, 14, 806026.	1.7	5
98	Altered restingâ€state functional connectivity of the anterior cingulate cortex in rats post noise exposure. CNS Neuroscience and Therapeutics, 2022, 28, 1547-1556.	1.9	5
99	Editorial: Neuroimaging Approaches to the Study of Tinnitus and Hyperacusis. Frontiers in Neuroscience, 2021, 15, 700670.	1.4	4
100	Dynamic functional network connectivity reveals the brain functional alterations in lung cancer patients after chemotherapy. Brain Imaging and Behavior, 2022, 16, 1040-1048.	1.1	4
101	Disrupted Functional Connectivity of the Amygdala Predicts the Efficacy of Non-steroidal Anti-inflammatory Drugs in Migraineurs Without Aura. Frontiers in Molecular Neuroscience, 2022, 15, 819507.	1.4	4
102	Alterations to cognitive abilities and functional networks in rats post broad-band intense noise exposure. Brain Imaging and Behavior, 2022, 16, 1884-1892.	1.1	4
103	Altered Default Mode Network Functional Connectivity in Parkinsonâ€™s Disease: A Resting-State Functional Magnetic Resonance Imaging Study. Frontiers in Neuroscience, 2022, 16, .	1.4	4
104	Peri-thrombus vascular hyperintensity sign: detection of intracranial thrombus location and length in acute ischemic stroke. Japanese Journal of Radiology, 2020, 38, 516-523.	1.0	3
105	Minute pulmonary meningothelial-like nodules: rare lesions appearing as diffuse ground-glass nodules with cyst-like morphology. Quantitative Imaging in Medicine and Surgery, 2021, 11, 3355-3359.	1.1	3
106	Predictive value of perfusion weighted imaging for early new lesions after stroke patients receive endovascular treatment. Quantitative Imaging in Medicine and Surgery, 2021, 11, 3643-3654.	1.1	3
107	The Relationship between Patterns of Remodeling and Degree of Enhancement in Patients with Atherosclerotic Middle Cerebral Artery Stenosis: A High-Resolution MRI Study. Neurology India, 2021, 69, 1663.	0.2	3
108	Disseminated Nocardia farcinica involves the spinal cord: a case report and review of the literature. BMC Infectious Diseases, 2021, 21, 1224.	1.3	3

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109	Machine Learning Based on Diffusion Kurtosis Imaging Histogram Parameters for Glioma Grading. Journal of Clinical Medicine, 2022, 11, 2310.	1.0	3
110	Neuropathological Mechanisms of Mild Traumatic Brain Injury: A Perspective From Multimodal Magnetic Resonance Imaging. Frontiers in Neuroscience, 0, 16, .	1.4	3
111	MRI Noise and Hearing Loss. Hearing Journal, 2018, 71, 30,33.	0.1	2
112	Altered Brain Functional Network Topology in Lung Cancer Patients After Chemotherapy. Frontiers in Neurology, 2021, 12, 710078.	1.1	2
113	Magnetic Resonance Imaging has Better Accuracy in Detecting New-Onset Rib Fractures as Compared to Computed Tomography. Medical Science Monitor, 2021, 27, e928463.	0.5	2
114	Followâ€up CT of â€œreversed halo signâ€•in SARSâ€CoVâ€2 delta VOC pneumonia: A report of two cases. Journal of Medical Virology, 2022, 94, 1289-1291.	2.5	2
115	Clinical validation of an AI-based motion correction reconstruction algorithm in cerebral CT. European Radiology, 2022, 32, 8550-8559.	2.3	2
116	Characteristics of the Computed Tomography Imaging Findings in 72 Patients with Airway-Invasive Pulmonary Aspergillosis. Medical Science Monitor, 2021, 27, e931162.	0.5	1
117	Predictive value of Alberta stroke program early CT score for perfusion weighted imaging - diffusion weighted imaging mismatch in stroke with middle cerebral artery occlusion. Medicine (United States), 2020, 99, e23490.	0.4	1
118	Functional Brain Network Estimation with Human-Guided Modularity Representation. IFAC-PapersOnLine, 2020, 53, 786-791.	0.5	1
119	Cerebral Blood Flow and its Connectivity Deficits in Patients With Lung Cancer After Chemotherapy. Frontiers in Molecular Biosciences, 2022, 9, 761272.	1.6	1
120	Aberrant static and dynamic functional network connectivity in heart failure with preserved ejection fraction. ESC Heart Failure, 2022, , .	1.4	1
121	Aberrant Modulations of Neurocognitive Network Dynamics in Migraine Comorbid With Tinnitus. Frontiers in Aging Neuroscience, 0, 14, .	1.7	1
122	Efficacy of modified pressure cuff for thrombolytic treatment on lower extremity deep venous thrombosis. Medicine (United States), 2021, 100, e25664.	0.4	0
123	SARSâ€CoVâ€2 Delta VOC pneumonia with CT followâ€ups: A case report. Journal of Medical Virology, 2022, 94, 807-810.	2.5	0
124	Electroencephalographic Signatures of Tinnitus with Spatial Patterns in Fronto-Parietal-Cingulate Area Identified Through XGBoost. SSRN Electronic Journal, 0, , .	0.4	0
125	Magnetic Resonance Imaging has Better Accuracy in Detecting New-Onset Rib Fractures as Compared to Computed Tomography. Medical Science Monitor, 2021, 27, e928463.	0.5	0