

Kai Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

87
papers

1,752
citations

411340

20
h-index

388640

36
g-index

92
all docs

92
docs citations

92
times ranked

2573
citing authors

#	ARTICLE	IF	CITATIONS
1	Two stages of speech envelope tracking in human auditory cortex modulated by speech intelligibility. <i>Cerebral Cortex</i> , 2023, 33, 2215-2228.	1.6	7
2	Clinical features of automatism and correlation with the seizure onset zones: A cluster analysis of 74 surgically-treated cases. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2022, 94, 82-89.	0.9	4
3	Atlas of lesion locations and postsurgical seizure freedom in focal cortical dysplasia: A MELD study. <i>Epilepsia</i> , 2022, 63, 61-74.	2.6	36
4	Interictal pattern on scalp electroencephalogram predicts excellent surgical outcome of epilepsy caused by focal cortical dysplasia. <i>Epilepsia Open</i> , 2022, , .	1.3	5
5	Altered Structural Brain Network Topology in Patients With Primary Craniocervical Dystonia. <i>Frontiers in Neurology</i> , 2022, 13, 763305.	1.1	2
6	Whole-brain metabolic pattern analysis in patients with anti-leucine-rich glioma-inactivated 1 (LGI1) encephalitis. <i>European Journal of Neurology</i> , 2022, 29, 2376-2385.	1.7	7
7	Deep Learning Model for the Automated Detection and Histopathological Prediction of Meningioma. <i>Neuroinformatics</i> , 2021, 19, 393-402.	1.5	31
8	The Rolandic operculum generates different semiologies in insulo-opercular and temporal lobe epilepsies. <i>Epilepsy and Behavior</i> , 2021, 114, 107614.	0.9	6
9	Effective connectivity among the hippocampus, amygdala, and temporal neocortex in epilepsy patients: A cortico-cortical evoked potential study. <i>Epilepsy and Behavior</i> , 2021, 115, 107661.	0.9	7
10	Mild hypothermic circulatory arrest with selective cerebral perfusion in open arch surgery. <i>Journal of Thoracic Disease</i> , 2021, 13, 1151-1161.	0.6	6
11	Intracranial Electroencephalography Reveals Selective Responses to Cognitive Stimuli in the Periventricular Heterotopias. <i>Journal of Neuroscience</i> , 2021, 41, 3870-3878.	1.7	8
12	Hemispherectomy Outcome Prediction Scale: Development and validation of a seizure freedom prediction tool. <i>Epilepsia</i> , 2021, 62, 1064-1073.	2.6	29
13	Automatic analysis of integrated magnetic resonance and positron emission tomography images improves the accuracy of detection of focal cortical dysplasia type IIb lesions. <i>European Journal of Neuroscience</i> , 2021, 53, 3231-3241.	1.2	6
14	Clinical Application of a Neurosurgical Robot in Intracranial Ommaya Reservoir Implantation. <i>Frontiers in Neurobotics</i> , 2021, 15, 638633.	1.6	8
15	Cytoreductive surgery and hyperthermic intraperitoneal chemotherapy for peritoneal metastasis from breast cancer: a preliminary report of 4 cases. <i>Gland Surgery</i> , 2021, 10, 1315-1324.	0.5	2
16	Current Status of Endovascular Treatment for Acute Large Vessel Occlusion in China. <i>Stroke</i> , 2021, 52, 1203-1212.	1.0	71
17	Deep Brain Stimulation in Treatment-Resistant Depression: A Systematic Review and Meta-Analysis on Efficacy and Safety. <i>Frontiers in Neuroscience</i> , 2021, 15, 655412.	1.4	31
18	Neuroimaging Phenotyping and Assessment of Structural-Metabolic-Electrophysiological Alterations in the Temporal Neocortex of Focal Cortical Dysplasia IIIa. <i>Journal of Magnetic Resonance Imaging</i> , 2021, 54, 925-935.	1.9	12

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19	Quantitative assessment of structural and functional changes in temporal lobe epilepsy with hippocampal sclerosis. <i>Quantitative Imaging in Medicine and Surgery</i> , 2021, 11, 1782-1795.	1.1	9
20	Balance response to levodopa predicts balance improvement after bilateral subthalamic nucleus deep brain stimulation in Parkinson's disease. <i>Npj Parkinson's Disease</i> , 2021, 7, 47.	2.5	15
21	Stereoelectroencephalography-guided radiofrequency thermocoagulation for hypothalamic hamartoma: Electroclinical patterns and the relationship with surgical prognosis. <i>Epilepsy and Behavior</i> , 2021, 118, 107957.	0.9	5
22	Concomitant coronary artery bypass grafting during surgical repair of acute type A aortic dissection affects operative mortality rather than midterm mortality. <i>Asian Journal of Surgery</i> , 2021, 44, 945-951.	0.2	10
23	Whole-brain morphological alterations associated with trigeminal neuralgia. <i>Journal of Headache and Pain</i> , 2021, 22, 95.	2.5	16
24	The electroclinical features and surgical outcomes of inferior perisylvian epilepsy. <i>Epilepsy and Behavior</i> , 2021, 121, 108028.	0.9	2
25	The Clinical Application of Robot-Assisted Ventriculoperitoneal Shunting in the Treatment of Hydrocephalus. <i>Frontiers in Neuroscience</i> , 2021, 15, 685142.	1.4	4
26	A Bulk Retrospective Study of Robot-Assisted Stereotactic Biopsies of Intracranial Lesions Guided by Videometric Tracker. <i>Frontiers in Neurology</i> , 2021, 12, 682733.	1.1	6
27	Comparison of the real-world effectiveness of vertical versus lateral functional hemispherotomy techniques for pediatric drug-resistant epilepsy: A post hoc analysis of the HOPS study. <i>Epilepsia</i> , 2021, 62, 2707-2718.	2.6	17
28	Neural networks underlying hyperkinetic seizures: A quantitative PET and SEEG study. <i>Epilepsy and Behavior</i> , 2021, 122, 108130.	0.9	3
29	The amplitude of low-frequency fluctuation predicts levodopa treatment response in patients with Parkinson's disease. <i>Parkinsonism and Related Disorders</i> , 2021, 92, 26-32.	1.1	10
30	Sleep-Related Hypermotor Epilepsy: Etiology, Electro-Clinical Features, and Therapeutic Strategies. <i>Nature and Science of Sleep</i> , 2021, Volume 13, 2065-2084.	1.4	4
31	Temporal order of signal propagation within and across intrinsic brain networks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	22
32	Renal malperfusion affects operative mortality rather than late death following acute type A aortic dissection repair. <i>Asian Journal of Surgery</i> , 2020, 43, 213-219.	0.2	20
33	Seizure and cognitive outcomes of posterior quadrant disconnection: a series of 12 pediatric patients. <i>British Journal of Neurosurgery</i> , 2020, 34, 677-682.	0.4	3
34	Sphingosine 1-phosphate/microRNA-1249/5p/MCP-1 axis is involved in macrophage-associated inflammation in fatty liver injury in mice. <i>European Journal of Immunology</i> , 2020, 50, 1746-1756.	1.6	12
35	Intrinsic brain activity changes in temporal lobe epilepsy patients revealed by regional homogeneity analysis. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2020, 81, 117-122.	0.9	10
36	Epileptogenic network of focal epilepsies mapped with cortico-cortical evoked potentials. <i>Clinical Neurophysiology</i> , 2020, 131, 2657-2666.	0.7	24

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37	Network of ictal head version in mesial temporal lobe epilepsy. <i>Brain and Behavior</i> , 2020, 10, e01820.	1.0	2
38	Different hypothermic and cerebral perfusion strategies in extended arch replacement for acute type a aortic dissection: a retrospective comparative study. <i>Journal of Cardiothoracic Surgery</i> , 2020, 15, 236.	0.4	13
39	Cardiopulmonary bypass duration is an independent predictor of adverse outcome in surgical repair for acute type A aortic dissection. <i>Journal of International Medical Research</i> , 2020, 48, 030006052096845.	0.4	9
40	Aberrant Metabolic Patterns Networks in Insular Epilepsy. <i>Frontiers in Neurology</i> , 2020, 11, 605256.	1.1	12
41	Risk of Recurrence of Symptomatic Intracranial Atherosclerosis in Posterior Circulation Seen to Be Higher Than That in Anterior Circulation in Long-Term Follow-Up. <i>Frontiers in Neurology</i> , 2020, 11, 574926.	1.1	5
42	Integrated Automatic Detection, Classification and Imaging of High Frequency Oscillations With Stereoelectroencephalography. <i>Frontiers in Neuroscience</i> , 2020, 14, 546.	1.4	17
43	Identifying the Epileptogenic Zone With the Relative Strength of High-Frequency Oscillation: A Stereoelectroencephalography Study. <i>Frontiers in Human Neuroscience</i> , 2020, 14, 186.	1.0	8
44	Resective epilepsy surgery in tuberous sclerosis complex: a nationwide multicentre retrospective study from China. <i>Brain</i> , 2020, 143, 570-581.	3.7	55
45	Semiologic subgroups of insuloâ€opercular seizures based on connectional architecture atlas. <i>Epilepsia</i> , 2020, 61, 984-994.	2.6	22
46	The use of cIMT as a predictor of postoperative stroke in patients undergoing surgical repair of acute type a aortic dissection. <i>Journal of Cardiothoracic Surgery</i> , 2020, 15, 60.	0.4	2
47	The onset of acute type A aortic dissection following recovery of type B intramural haematoma: a case report. <i>BMC Cardiovascular Disorders</i> , 2020, 20, 162.	0.7	3
48	Electroclinical features of insuloâ€opercular epilepsy: an <scp>SEEG</scp> and <scp>PET</scp> study. <i>Annals of Clinical and Translational Neurology</i> , 2019, 6, 1165-1177.	1.7	37
49	Focal cortical dysplasia II-related seizures originate from the bottom of the dysplastic sulcus: A stereoelectroencephalography study. <i>Clinical Neurophysiology</i> , 2019, 130, 1596-1603.	0.7	14
50	Symptomatogenic zone and network of oroalimentary automatism in mesial temporal lobe epilepsy. <i>Epilepsia</i> , 2019, 60, 1150-1159.	2.6	20
51	Motor cortex stimulation: a systematic literature-based analysis of effectiveness and case series experience. <i>BMC Neurology</i> , 2019, 19, 48.	0.8	30
52	Automated detection of hippocampal sclerosis using clinically empirical and radiomics features. <i>Epilepsia</i> , 2019, 60, 2519-2529.	2.6	47
53	Superior Frontal Sulcus Focal Cortical Dysplasia Type II: An MRI, PET, and Quantified SEEG Study. <i>Frontiers in Neurology</i> , 2019, 10, 1253.	1.1	12
54	Association between cardiopulmonary bypass time and 90-day post-operative mortality in patients undergoing arch replacement with the frozen elephant trunk. <i>Chinese Medical Journal</i> , 2019, 132, 2325-2332.	0.9	8

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55	Comparison of Short-Term Stimulation of the Globus Pallidus Interna and Subthalamic Nucleus for Treatment of Primary Dystonia. <i>World Neurosurgery</i> , 2019, 123, e211-e217.	0.7	16
56	Association Between D-dimer and Early Adverse Events in Patients With Acute Type A Aortic Dissection Undergoing Arch Replacement and the Frozen Elephant Trunk Implantation: A Retrospective Cohort Study. <i>Frontiers in Physiology</i> , 2019, 10, 1627.	1.3	7
57	A case report of rectal schwannoma treated with laparoscopic proctectomy. <i>Medicine (United States)</i> , 2018, 97, e9866.	0.4	4
58	Automated detection of focal cortical dysplasia type II with surface-based magnetic resonance imaging postprocessing and machine learning. <i>Epilepsia</i> , 2018, 59, 982-992.	2.6	88
59	Acute Fornix Deep Brain Stimulation Improves Hippocampal Glucose Metabolism in Aged Mice. <i>Chinese Medical Journal</i> , 2018, 131, 594-599.	0.9	4
60	Use of an Automated Quantitative Analysis of Hippocampal Volume, Signal, and Glucose Metabolism to Detect Hippocampal Sclerosis. <i>Frontiers in Neurology</i> , 2018, 9, 820.	1.1	7
61	Value of stereo-electroencephalogram in reoperation of patients with pharmacoresistant epilepsy: a single center, retrospective study. <i>British Journal of Neurosurgery</i> , 2018, 32, 663-670.	0.4	9
62	Small Lesion Size Is Associated with Sleep-Related Epilepsy in Focal Cortical Dysplasia Type II. <i>Frontiers in Neurology</i> , 2018, 9, 106.	1.1	13
63	The Anatomic-Electrical Network Underlying Hypermotor Seizures. <i>Frontiers in Neurology</i> , 2018, 9, 243.	1.1	15
64	Clinical Value of Machine Learning in the Automated Detection of Focal Cortical Dysplasia Using Quantitative Multimodal Surface-Based Features. <i>Frontiers in Neuroscience</i> , 2018, 12, 1008.	1.4	33
65	Delayed responses of subthalamic nucleus to deep brain stimulation in patients with Parkinson's disease. <i>Parkinsonism and Related Disorders</i> , 2017, 40, 76-77.	1.1	1
66	Multiple Intracranial Parenchymal Lesions Evolving Over a Decade. <i>JAMA Neurology</i> , 2017, 74, 1263.	4.5	0
67	Altered microRNA profiles in plasma exosomes from mesial temporal lobe epilepsy with hippocampal sclerosis. <i>Oncotarget</i> , 2017, 8, 4136-4146.	0.8	105
68	Long-term Effects of Subthalamic Nucleus Deep Brain Stimulation in Tardive Dystonia. <i>Chinese Medical Journal</i> , 2016, 129, 1257-1258.	0.9	12
69	An Electrode-preserved Patient after Bilateral Intracranial Hematoma Induced by Deep Brain Stimulation. <i>Chinese Medical Journal</i> , 2016, 129, 1509-1510.	0.9	1
70	Comparative Study of Voxel-Based Epileptic Foci Localization Accuracy between Statistical Parametric Mapping and Three-dimensional Stereotactic Surface Projection. <i>Frontiers in Neurology</i> , 2016, 7, 164.	1.1	18
71	Deep Brain Stimulation for Craniocervical Dystonia (Meige Syndrome): A Report of Four Patients and a Literature-Based Analysis of Its Treatment Effects. <i>Neuromodulation</i> , 2016, 19, 818-823.	0.4	27
72	The ability of anterior thalamic signals to predict seizures in temporal lobe epilepsy in kainate-treated rats. <i>Epilepsia</i> , 2016, 57, 1369-1376.	2.6	10

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73	Endogenous cannabinoid system alterations and their role in epileptogenesis after brain injury in rat. <i>Epilepsy Research</i> , 2016, 128, 35-42.	0.8	10
74	Prognostic factors for seizure outcome in patients with MRI-negative temporal lobe epilepsy: A meta-analysis and systematic review. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2016, 38, 54-62.	0.9	25
75	CB1 receptor antagonism prevents long-term hyperexcitability after head injury by regulation of dynorphin-KOR system and mGluR5 in rat hippocampus. <i>Brain Research</i> , 2016, 1646, 174-181.	1.1	16
76	Chronic Bilateral Sphenopalatine Ganglion Stimulation for Intractable Bilateral Chronic Cluster Headache: A Case Report. <i>Pain Physician</i> , 2016, 4;19, E637-E642.	0.3	1
77	Chronic Bilateral Sphenopalatine Ganglion Stimulation for Intractable Bilateral Chronic Cluster Headache: A Case Report. <i>Pain Physician</i> , 2016, 19, E637-42.	0.3	9
78	Predictors of prognosis in patients with temporal lobe epilepsy after anterior temporal lobectomy. <i>Experimental and Therapeutic Medicine</i> , 2015, 10, 1896-1902.	0.8	18
79	Risk Factors for Postoperative Fibrinogen Deficiency after Surgical Removal of Intracranial Tumors. <i>PLoS ONE</i> , 2015, 10, e0144551.	1.1	12
80	Deep brain stimulation of the nucleus accumbens shell induces anti-obesity effects in obese rats with alteration of dopamine neurotransmission. <i>Neuroscience Letters</i> , 2015, 589, 1-6.	1.0	39
81	Deep Brain Stimulation of the Subthalamic and Pedunculopontine Nucleus in a Patient with Parkinson's Disease. <i>Journal of Korean Neurosurgical Society</i> , 2015, 57, 303.	0.5	17
82	Risk factors for post-stroke seizures: A systematic review and meta-analysis. <i>Epilepsy Research</i> , 2014, 108, 1806-1816.	0.8	119
83	Long-term Outcome of Globus Pallidus Internus Deep Brain Stimulation in Patients With Tourette Syndrome. <i>Mayo Clinic Proceedings</i> , 2014, 89, 1506-1514.	1.4	45
84	Altered Regional and Circuit Resting-State Activity Associated with Unilateral Hearing Loss. <i>PLoS ONE</i> , 2014, 9, e96126.	1.1	54
85	Clinical curative effect analysis and predictors of prognosis in patients with temporal lobe epilepsy after anterior temporal lobectomy: results after five years. <i>Chinese Medical Journal</i> , 2014, 127, 2588-93.	0.9	2
86	Predictors of seizure freedom after surgical management of tuberous sclerosis complex: A systematic review and meta-analysis. <i>Epilepsy Research</i> , 2013, 105, 377-383.	0.8	60
87	Long-term results of thalamic deep brain stimulation for essential tremor. <i>Journal of Neurosurgery</i> , 2010, 112, 1271-1276.	0.9	169