

# Guoming Luan

## List of Publications by Year in descending order

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Version: 2024-02-01

64  
papers

928  
citations

566801

15  
h-index

580395

25  
g-index

65  
all docs

65  
docs citations

65  
times ranked

1056  
citing authors

#	ARTICLE	IF	CITATIONS
1	Video-rate imaging of biological dynamics at centimetre scale and micrometre resolution. <i>Nature Photonics</i> , 2019, 13, 809-816.	15.6	134
2	Autapses enhance bursting and coincidence detection in neocortical pyramidal cells. <i>Nature Communications</i> , 2018, 9, 4890.	5.8	66
3	Clinical practice guidelines for the diagnosis and treatment of adult diffuse glioma-related epilepsy. <i>Cancer Medicine</i> , 2019, 8, 4527-4535.	1.3	46
4	Comparative Effectiveness of Stereotactic Electroencephalography Versus Subdural Grids in Epilepsy Surgery. <i>Annals of Neurology</i> , 2021, 90, 927-939.	2.8	45
5	Clinical Cell Therapy Guidelines for Neurorestoration (IANR/CANR 2017). <i>Cell Transplantation</i> , 2018, 27, 310-324.	1.2	40
6	Upregulation of HMGB1, toll-like receptor and RAGE in human Rasmussen's encephalitis. <i>Epilepsy Research</i> , 2016, 123, 36-49.	0.8	37
7	Timing and type of hemispherectomy for Rasmussen's encephalitis: Analysis of 45 patients. <i>Epilepsy Research</i> , 2017, 132, 109-115.	0.8	27
8	Individual Variability in Functional Organization of the Human and Monkey Auditory Cortex. <i>Cerebral Cortex</i> , 2021, 31, 2450-2465.	1.6	27
9	Localization of Epileptogenic Zone With the Correction of Pathological Networks. <i>Frontiers in Neurology</i> , 2018, 9, 143.	1.1	26
10	Surgical versus medical treatment for children with epileptic encephalopathy in infancy and early childhood: Results of an international multicenter cohort study in Far-East Asia (the FACE study). <i>Brain and Development</i> , 2016, 38, 449-460.	0.6	25
11	Co-activation patterns across multiple tasks reveal robust anti-correlated functional networks. <i>NeuroImage</i> , 2021, 227, 117680.	2.1	25
12	Upregulation of Adenosine Kinase in Rasmussen Encephalitis. <i>Journal of Neuropathology and Experimental Neurology</i> , 2013, 72, 1000-1008.	0.9	23
13	Role of DNA Methylation and Adenosine in Ketogenic Diet for Pharmacoresistant Epilepsy: Focus on Epileptogenesis and Associated Comorbidities. <i>Frontiers in Neurology</i> , 2019, 10, 119.	1.1	22
14	Adenosine Kinase Expression in Cortical Dysplasia With Balloon Cells. <i>Journal of Neuropathology and Experimental Neurology</i> , 2015, 74, 132-147.	0.9	21
15	Detection of EBV and HHV6 in the Brain Tissue of Patients with Rasmussen's Encephalitis. <i>Virologica Sinica</i> , 2018, 33, 402-409.	1.2	21
16	Vagus nerve stimulation for drug-resistant epilepsy induced by tuberous sclerosis complex. <i>Epilepsy and Behavior</i> , 2022, 126, 108431.	0.9	19
17	Ketogenic diet reduces Smac/Diablo and cytochrome c release and attenuates neuronal death in a mouse model of limbic epilepsy. <i>Brain Research Bulletin</i> , 2012, 89, 79-85.	1.4	17
18	Upregulation of Neuronal Adenosine A1 Receptor in Human Rasmussen Encephalitis. <i>Journal of Neuropathology and Experimental Neurology</i> , 2017, 76, 720-731.	0.9	16

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19	Upregulation of adenosine A2A receptor and downregulation of GLT1 is associated with neuronal cell death in Rasmussen's encephalitis. <i>Brain Pathology</i> , 2020, 30, 246-260.	2.1	15
20	Epileptic seizures in a heterogeneous excitatory network with short-term plasticity. <i>Cognitive Neurodynamics</i> , 2021, 15, 43-51.	2.3	14
21	Dissociable Auditory Cortico-Cerebellar Pathways in the Human Brain Estimated by Intrinsic Functional Connectivity. <i>Cerebral Cortex</i> , 2021, 31, 2898-2912.	1.6	14
22	Epilepsy as a dynamical disorder orchestrated by epileptogenic zone: a review. <i>Nonlinear Dynamics</i> , 2021, 104, 1901-1916.	2.7	14
23	Comparisons of the seizure-free outcome and visual field deficits between anterior temporal lobectomy and selective amygdalohippocampectomy: A systematic review and meta-analysis. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2020, 81, 228-235.	0.9	12
24	Characteristics, surgical outcomes, and influential factors of epilepsy in Sturge-Weber syndrome. <i>Brain</i> , 2022, 145, 3431-3443.	3.7	12
25	Long-term efficacy and cognitive effects of bilateral hippocampal deep brain stimulation in patients with drug-resistant temporal lobe epilepsy. <i>Neurological Sciences</i> , 2021, 42, 225-233.	0.9	11
26	Genetic variations of adenosine kinase as predictable biomarkers of efficacy of vagus nerve stimulation in patients with pharmacoresistant epilepsy. <i>Journal of Neurosurgery</i> , 2022, 136, 726-735.	0.9	10
27	Elevated expression of human papillomavirus antigen in brain tissue of patients with Rasmussen's encephalitis. <i>Epilepsy Research</i> , 2016, 126, 119-125.	0.8	9
28	Long-term efficacy and cognitive effects of voltage-based deep brain stimulation for drug-resistant essential tremor. <i>Clinical Neurology and Neurosurgery</i> , 2020, 194, 105940.	0.6	9
29	Rasmussen's encephalitis: mechanisms update and potential therapy target. <i>Therapeutic Advances in Chronic Disease</i> , 2020, 11, 204062232097141.	1.1	8
30	Predictors and Long-term Outcome of Resective Epilepsy Surgery in Patients with Tuberous Sclerosis Complex: A Single-centre Retrospective Cohort Study. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2021, 88, 45-52.	0.9	8
31	Prognostic factors of postoperative seizure outcomes in older patients with temporal lobe epilepsy. <i>Neurosurgical Focus</i> , 2020, 48, E7.	1.0	8
32	Epileptogenic Zone Location of Temporal Lobe Epilepsy by Cross-Frequency Coupling Analysis. <i>Frontiers in Neurology</i> , 2021, 12, 764821.	1.1	8
33	The correspondence between morphometric MRI and metabolic profile in Rasmussen's encephalitis. <i>NeuroImage: Clinical</i> , 2022, 33, 102918.	1.4	8
34	Expression of human cytomegalovirus components in the brain tissues of patients with Rasmussen's encephalitis. <i>Virologica Sinica</i> , 2017, 32, 115-121.	1.2	7
35	Elevated expression of EBV and TLRs in the brain is associated with Rasmussen's encephalitis. <i>Virologica Sinica</i> , 2017, 32, 423-430.	1.2	7
36	Anti-epileptic effect of ifenprodil on neocortical pyramidal neurons in patients with malformations of cortical development. <i>Experimental and Therapeutic Medicine</i> , 2017, 14, 5757-5766.	0.8	7

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37	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
38	Altered regional homogeneity in epileptic patients with infantile spasm: A resting-state fMRI study. <i>Journal of X-Ray Science and Technology</i> , 2016, 24, 285-295.	0.7	6
39	Surgical outcomes and prognostic factors of drug-resistant epilepsy secondary to encephalomalacia. <i>Epilepsia</i> , 2019, 60, 948-957.	2.6	6
40	Resective surgery for drug-resistant posttraumatic epilepsy: predictors of seizure outcome. <i>Journal of Neurosurgery</i> , 2020, 133, 1568-1575.	0.9	6
41	Optic radiation mapping reduces the risk of visual field deficits in anterior temporal lobe resection. <i>International Journal of Clinical and Experimental Medicine</i> , 2015, 8, 14283-95.	1.3	6
42	Efficacy and potential predictors of vagus nerve stimulation therapy in refractory postencephalitic epilepsy. <i>Therapeutic Advances in Chronic Disease</i> , 2022, 13, 204062232110667.	1.1	6
43	Occipital Lobe Epilepsy With Ictal Fear: Evidence From a Stereo-Electroencephalography (sEEG) Case. <i>Frontiers in Neurology</i> , 2018, 9, 644.	1.1	5
44	Deceleration and acceleration capacities of heart rate in patients with drug-resistant epilepsy. <i>Clinical Autonomic Research</i> , 2019, 29, 195-204.	1.4	5
45	The impact of MEG results on surgical outcomes in patients with drug-resistant epilepsy associated with focal encephalomalacia: a single-center experience. <i>Journal of Neurology</i> , 2020, 267, 812-822.	1.8	5
46	The extension of epileptogenicity as the driving force of the epileptogenic network evolution and complex symptoms. <i>Brain Research</i> , 2020, 1748, 147073.	1.1	5
47	Alkaline brain pH shift in rodent lithium-pilocarpine model of epilepsy with chronic seizures. <i>Brain Research</i> , 2021, 1758, 147345.	1.1	5
48	Prognostic value of histopathologic pattern for long-term surgical outcomes of 198 patients with confirmed mesial temporal lobe epilepsy. <i>Human Pathology</i> , 2021, 115, 47-55.	1.1	5
49	Epilepsy and Autism Spectrum Disorder (ASD): The Underlying Mechanisms and Therapy Targets Related to Adenosine. <i>Current Neuropharmacology</i> , 2023, 21, 54-66.	1.4	5
50	Color perception matches selectivity in human early visual cortex. <i>Brain Stimulation</i> , 2020, 13, 253-255.	0.7	4
51	Distinguishing Dependent-Stage Secondary Epileptogenesis in a Complex Case of Giant Hypothalamic Hamartoma With Assistance of a Computational Method. <i>Frontiers in Neurology</i> , 2020, 11, 478.	1.1	4
52	Genetic Factors in Rasmussen's Encephalitis Characterized by Whole-Exome Sequencing. <i>Frontiers in Neuroscience</i> , 2021, 15, 744429.	1.4	4
53	Analysis of power spectrum and phase lag index changes following deep brain stimulation of the anterior nucleus of the thalamus in patients with drug-resistant epilepsy: A retrospective study. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2022, 96, 6-12.	0.9	4
54	Electroclinical semiology of the bilateral asymmetric tonic seizures observed in patients with supplementary sensorimotor area epilepsy confirmed by pre- and post-operative MRI. <i>Journal of X-Ray Science and Technology</i> , 2017, 25, 247-259.	0.7	3

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55	Globus Pallidus Internus Electric High-Frequency Stimulation Modulates Dopaminergic Activity in the Striatum of a Rat Model of Tourette Syndrome. <i>World Neurosurgery</i> , 2019, 127, e881-e887.	0.7	3
56	A concordance study determining language dominance between navigated transcranial magnetic stimulation and the Wada test in patients with drug-resistant epilepsy. <i>Epilepsy and Behavior</i> , 2021, 117, 107711.	0.9	3
57	Magnetoencephalography STOUT Method Adapted to Radiofrequency Thermocoagulation for MR-Negative Insular Epilepsy: A Case Report. <i>Frontiers in Neurology</i> , 2021, 12, 683299.	1.1	3
58	Presurgical Thalamus and Brainstem Shifts Predict Distal Motor Function Recovery After Anatomic Hemispherectomy. <i>World Neurosurgery</i> , 2018, 118, e713-e720.	0.7	2
59	Clinically localized seizure focus maybe not exactly the position of abating seizures: a computational evidence. <i>Nonlinear Dynamics</i> , 2021, 105, 1773-1789.	2.7	2
60	Increased inflammasome-activated pyroptosis mediated by caspase-1 in Rasmussen's encephalitis. <i>Epilepsy Research</i> , 2022, 179, 106843.	0.8	2
61	The influencing factors and changes of cognitive function within 40 Rasmussen encephalitis patients that received a hemispherectomy. <i>Neurological Research</i> , 2022, 44, 700-707.	0.6	2
62	Sharp decrease in the Laplacian matrix rank of phase-space graphs: a potential biomarker in epilepsy. <i>Cognitive Neurodynamics</i> , 2021, 15, 649-659.	2.3	1
63	Scalp-HFO indexes are biomarkers for the lateralization and localization of the epileptogenic zone in preoperative assessment. <i>Journal of Neurophysiology</i> , 2021, 126, 1148-1158.	0.9	1
64	The diagnostic value of pain evoked potential by electrical stimulation combined with nociceptive blink reflex in trigeminal neuralgia. <i>Journal of Integrative Neuroscience</i> , 2021, 20, 425.	0.8	0