

Masaki Iwasaki

List of Publications by Year in descending order

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Version: 2024-02-01

116
papers

1,766
citations

331670

21
h-index

330143

37
g-index

132
all docs

132
docs citations

132
times ranked

2125
citing authors

#	ARTICLE	IF	CITATIONS
1	Predictors of Seizure Outcome after Repeat Pediatric Epilepsy Surgery: Reasons for Failure, Sex, Electrophysiology, and Temporal Lobe Surgery. <i>Neurologia Medico-Chirurgica</i> , 2022, 62, 125-132.	2.2	2
2	Optogenetic stimulus-triggered acquisition of seizure resistance. <i>Neurobiology of Disease</i> , 2022, 163, 105602.	4.4	12
3	Sevoflurane-based enhancement of phase-amplitude coupling and localization of the epileptogenic zone. <i>Clinical Neurophysiology</i> , 2022, 134, 1-8.	1.5	4
4	Age-Related Recovery of Daily Living Activity After 1-Stage Complete Corpus Callosotomy: A Retrospective Analysis of 41 Cases. <i>Neurosurgery</i> , 2022, 90, 547-551.	1.1	4
5	Epileptic discharges initiate from brain areas with elevated accumulation of \pm -amino-3-hydroxy-5-methyl-4-isoxazole propionic acid receptors. <i>Brain Communications</i> , 2022, 4, fcae023.	3.3	2
6	Pathologically Verified Corticobasal Degeneration Mimicking Richardson's Syndrome Coexisting with Clinically and Radiologically Shunt-Responsive Normal Pressure Hydrocephalus. <i>Movement Disorders Clinical Practice</i> , 2022, 9, 508-515.	1.5	2
7	Low EEG Gamma Entropy and Glucose Hypometabolism After Corpus Callosotomy Predicts Seizure Outcome After Subsequent Surgery. <i>Frontiers in Neurology</i> , 2022, 13, 831126.	2.4	1
8	Impact of COVID-19 pandemic on epilepsy care in Japan: A national-level multicenter retrospective cohort study. <i>Epilepsia Open</i> , 2022, 7, 431-441.	2.4	7
9	Enhanced MR Conspicuity of Type IIb Focal Cortical Dysplasia by T1WI With CHES. <i>Neurology: Clinical Practice</i> , 2021, 11, e750-e752.	1.6	2
10	Postoperative improvement of executive function and adaptive behavior in children with intractable epilepsy. <i>Brain and Development</i> , 2021, 43, 280-287.	1.1	5
11	Corpus callosotomy in pediatric patients with non-lesional epileptic encephalopathy with electrical status epilepticus during sleep. <i>Epilepsy and Behavior Reports</i> , 2021, 16, 100463.	1.0	3
12	External validation of the Epilepsy Surgery Grading Scale in a Japanese cohort of patients with epilepsy. <i>Epileptic Disorders</i> , 2021, 23, 104-110.	1.3	1
13	Single-Institutional Experience of Chronic Intracranial Electroencephalography Based on the Combined Usage of Subdural and Depth Electrodes. <i>Brain Sciences</i> , 2021, 11, 307.	2.3	7
14	Improvement of brain function after surgery in infants with posterior quadrant cortical dysplasia. <i>Clinical Neurophysiology</i> , 2021, 132, 332-337.	1.5	2
15	Your verbal questions beginning with 'what' will rapidly deactivate the left prefrontal cortex of listeners. <i>Scientific Reports</i> , 2021, 11, 5257.	3.3	3
16	Initial delta and delayed theta/alpha pattern in the temporal region on ictal EEG suggests purely hippocampal epileptogenicity in patients with mesial temporal lobe epilepsy. <i>Clinical Neurophysiology</i> , 2021, 132, 737-743.	1.5	2
17	Facial memory ability and self-awareness in patients with temporal lobe epilepsy after anterior temporal lobectomy. <i>PLoS ONE</i> , 2021, 16, e0248785.	2.5	2
18	Budget Impact Analysis of Treatment Flow Optimization in Epilepsy Patients: Estimating Potential Impacts with Increased Referral Rate to Specialized Care. <i>Journal of Health Economics and Outcomes Research</i> , 2021, 8, 80-87.	1.2	2

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19	Epilepsy surgery in children under 3 years of age: surgical and developmental outcomes. Journal of Neurosurgery: Pediatrics, 2021, 28, 395-403.	1.3	12
20	Histopathological validation and clinical correlates of hippocampal subfield volumetry based on T2-weighted MRI in temporal lobe epilepsy with hippocampal sclerosis. Epilepsy Research, 2021, 177, 106759.	1.6	4
21	Single-subject gray matter networks in temporal lobe epilepsy patients with hippocampal sclerosis. Epilepsy Research, 2021, 177, 106766.	1.6	6
22	Risk factors for psychological distress in electroencephalography technicians during the COVID-19 pandemic: A national-level cross-sectional survey in Japan. Epilepsy and Behavior, 2021, 125, 108361.	1.7	4
23	Epilepsy in Five Long-term Survivors of Pineal Region Tumors. NMC Case Report Journal, 2021, 8, 773-780.	0.5	0
24	The Onset of Interictal Spike-Related Ripples Facilitates Detection of the Epileptogenic Zone. Frontiers in Neurology, 2021, 12, 724417.	2.4	3
25	Efficient Detection of High-frequency Biomarker Signals of Epilepsy by a Transfer-learning-based Convolutional Neural Network. Advanced Biomedical Engineering, 2021, 10, 158-165.	0.6	1
26	Transient water-electrolyte disturbance after hemispherotomy in young infants with epileptic encephalopathy. Child's Nervous System, 2020, 36, 1043-1048.	1.1	6
27	Association between lack of functional connectivity of the frontal brain region and poor response inhibition in children with frontal lobe epilepsy. Epilepsy and Behavior, 2020, 113, 107561.	1.7	0
28	Visualization of AMPA receptors in living human brain with positron emission tomography. Nature Medicine, 2020, 26, 281-288.	30.7	50
29	Adaptive behavior and its related factors in children with focal epilepsy. Epilepsy and Behavior, 2020, 108, 107092.	1.7	2
30	Is intracranial electroencephalography useful for planning resective surgery in intractable epilepsy with ulegria?. Journal of Neurosurgery, 2020, 133, 1576-1581.	1.6	7
31	Revisional Analysis of Electroencephalography and Magnetoencephalography Based on Comprehensive Epilepsy Conference. , 2020, , 191-197.		0
32	Deep Brain Stimulation for Refractory Tourette Syndrome: Electrode Position and Clinical Outcome. Neurologia Medico-Chirurgica, 2020, 61, 33-39.	2.2	6
33	Development of Permeable and Transparent Intracranial Electrode Embedded in Hydrogel Substrate. ECS Meeting Abstracts, 2020, MA2020-02, 3311-3311.	0.0	0
34	Cognitive and developmental outcomes after pediatric insular epilepsy surgery for focal cortical dysplasia. Journal of Neurosurgery: Pediatrics, 2020, 26, 543-551.	1.3	11
35	Hydrogel-Based Organic Subdural Electrode with High Conformability to Brain Surface. Scientific Reports, 2019, 9, 13379.	3.3	42
36	Current and Future Perspectives of Epilepsy Surgery in Japan. Japanese Journal of Neurosurgery, 2019, 28, 326-333.	0.0	0

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37	Disrupted cortico-ponto-cerebellar pathway in patients with hemimegalencephaly. <i>Brain and Development</i> , 2019, 41, 507-515.	1.1	6
38	Altered Expression of Astrocyte-Related Receptors and Channels Correlates With Epileptogenesis in Hippocampal Sclerosis. <i>Pediatric and Developmental Pathology</i> , 2019, 22, 532-539.	1.0	9
39	Postoperative changes in the brain: Assessment with serial T2WI/FLAIR MR images in non-neoplastic patients. <i>Epilepsy Research</i> , 2019, 154, 149-151.	1.6	0
40	Spatiotemporal dynamics of auditory and picture naming-related high-gamma modulations: A study of Japanese-speaking patients. <i>Clinical Neurophysiology</i> , 2019, 130, 1446-1454.	1.5	15
41	Radiologic and Pathologic Features of the Transmantle Sign in Focal Cortical Dysplasia: The T1 Signal Is Useful for Differentiating Subtypes. <i>American Journal of Neuroradiology</i> , 2019, 40, 1060-1066.	2.4	16
42	Multiplex ligation-dependent probe amplification analysis is useful for detecting a copy number gain of the FGFR1 tyrosine kinase domain in dysembryoplastic neuroepithelial tumors. <i>Journal of Neuro-Oncology</i> , 2019, 143, 27-33.	2.9	17
43	Withdrawal of deep brain stimulation in patients with gilles de la tourette syndrome. <i>Movement Disorders</i> , 2019, 34, 1925-1926.	3.9	11
44	Alteration of the anatomical covariance network after corpus callosotomy in pediatric intractable epilepsy. <i>PLoS ONE</i> , 2019, 14, e0222876.	2.5	6
45	Ictal deafness in drug-resistant MRI-negative epilepsy. <i>Epileptic Disorders</i> , 2019, 21, 215-220.	1.3	2
46	MEG in Epilepsy and Pre-surgical Functional Mapping. , 2019, , 1035-1058.		1
47	MEG in Epilepsy and Pre-surgical Functional Mapping. , 2019, , 1-24.		0
48	Surgical strategy to avoid ischemic complications of the pyramidal tract in resective epilepsy surgery of the insula: technical case report. <i>Journal of Neurosurgery</i> , 2018, 128, 1173-1177.	1.6	21
49	Surgical Treatment of Intractable Epilepsy presenting with Hyperkinetic Seizures originating in the Frontal Lobe. <i>Japanese Journal of Neurosurgery</i> , 2018, 27, 764-772.	0.0	0
50	SMART (stroke-like migraine attacks after radiation therapy) syndrome responded to steroid pulse therapy: Report of a case and review of the literature. <i>ENeurologicalSci</i> , 2018, 12, 1-4.	1.3	21
51	Apparently diffuse epileptic abnormalities caused by a small cavernous malformation: a surgical case report. <i>Epilepsy and Seizure</i> , 2018, 10, 107-113.	0.2	1
52	A change in brain white matter after shunt surgery in idiopathic normal pressure hydrocephalus: a tract-based spatial statistics study. <i>Fluids and Barriers of the CNS</i> , 2017, 14, 1.	5.0	29
53	Predicting Tissue Breaking Strengths in the Epileptic Brain with T2 Relaxometry: Application of Pulsed Water Jet Dissection System for Epilepsy Surgery. <i>Journal of Neurological Surgery, Part A: Central European Neurosurgery</i> , 2017, 78, 561-565.	0.8	1
54	Dramatic response after functional hemispherectomy in a patient with epileptic encephalopathy carrying a de novo COL4A1 mutation. <i>Brain and Development</i> , 2017, 39, 337-340.	1.1	6

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55	Differences in sleep architecture between left and right temporal lobe epilepsy. <i>Neurological Sciences</i> , 2017, 38, 189-192.	1.9	9
56	New Application of Actuator-Driven Pulsed Water Jet for Spinal Cord Dissection: An Experimental Study in Pigs. <i>Journal of Neurological Surgery, Part A: Central European Neurosurgery</i> , 2017, 78, 137-143.	0.8	2
57	High-Convexity Tightness Predicts the Shunt Response in Idiopathic Normal Pressure Hydrocephalus. <i>American Journal of Neuroradiology</i> , 2016, 37, 1831-1837.	2.4	60
58	Non-invasive Evaluation for Epilepsy Surgery. <i>Neurologia Medico-Chirurgica</i> , 2016, 56, 632-640.	2.2	16
59	Verbal Dominant Memory Impairment and Low Risk for Post-operative Memory Worsening in Both Left and Right Temporal Lobe Epilepsy Associated with Hippocampal Sclerosis. <i>Neurologia Medico-Chirurgica</i> , 2016, 56, 716-723.	2.2	7
60	Fantastic confabulation in right frontal lobe epilepsy. <i>Epilepsy & Behavior Case Reports</i> , 2016, 6, 55-57.	1.5	3
61	T2 relaxometry improves detection of non-sclerotic epileptogenic hippocampus. <i>Epilepsy Research</i> , 2016, 126, 1-9.	1.6	8
62	Acute encephalitis with refractory, repetitive partial seizures: Pathological findings and a new therapeutic approach using tacrolimus. <i>Brain and Development</i> , 2016, 38, 772-776.	1.1	22
63	Clinical profiles for seizure remission and developmental gains after total corpus callosotomy. <i>Brain and Development</i> , 2016, 38, 47-53.	1.1	24
64	High frequency oscillations are less frequent but more specific to epileptogenicity during rapid eye movement sleep. <i>Clinical Neurophysiology</i> , 2016, 127, 179-186.	1.5	46
65	Three patients with extra-temporal lobe epilepsy having seizures during REM sleep. <i>Sleep Medicine</i> , 2015, 16, S196.	1.6	0
66	Resection of focal cortical dysplasia located in the upper pre-central gyrus. <i>Epileptic Disorders</i> , 2015, 17, 479-484.	1.3	3
67	Obsessive-Compulsive Behavior Induced by Levetiracetam. <i>Journal of Child Neurology</i> , 2015, 30, 942-944.	1.4	12
68	Three patients with posterior quadrant epilepsy showing focal ictal EEG onset during NREM sleep, but not during wakefulness. <i>Sleep Medicine</i> , 2015, 16, S196.	1.6	0
69	Interhemispheric Vertical Hemispherotomy: A Single Center Experience. <i>Pediatric Neurosurgery</i> , 2015, 50, 295-300.	0.7	15
70	Occult dual pathology in mesial temporal lobe epilepsy. <i>Neurological Sciences</i> , 2015, 36, 1743-1745.	1.9	2
71	Practical surgical indicators to identify candidates for radical resection of insulo-opercular gliomas. <i>Journal of Neurosurgery</i> , 2014, 121, 1124-1132.	1.6	23
72	Temporal intermittent rhythmic delta activity and abdominal migraine. <i>Neurological Sciences</i> , 2014, 35, 627-628.	1.9	3

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73	Modification of vertical hemispherotomy for refractory epilepsy. Brain and Development, 2014, 36, 124-129.	1.1	22
74	Earlier tachycardia onset in right than left mesial temporal lobe seizures. Neurology, 2014, 83, 1332-1336.	1.1	31
75	Electro- and magneto-encephalographic spike source localization of small focal cortical dysplasia in the dorsal peri-rolandic region. Clinical Neurophysiology, 2014, 125, 2358-2363.	1.5	19
76	RBPJ is disrupted in a case of proximal 4p deletion syndrome with epilepsy. Brain and Development, 2014, 36, 532-536.	1.1	9
77	Preservation of the Long Insular Artery to Prevent Postoperative Motor Deficits After Resection of Insulo-opercular Glioma: Technical Case Reports. Neurologia Medico-Chirurgica, 2014, 54, 321-326.	2.2	16
78	Seizure Freedom after Lamotrigine Rash: A Peculiar Phenomenon in Epilepsy. Internal Medicine, 2014, 53, 2521-2522.	0.7	2
79	Remote Epilepsy Clinic using a Video Conferencing System. Japanese Journal of Neurosurgery, 2014, 23, 136-140.	0.0	3
80	MEG in Epilepsy and Pre-surgical Functional Mapping. , 2014, , 821-842.		1
81	False Lateralization of Seizure Onset by Scalp EEG in Non-lesional Temporal Lobe Epilepsy : A Surgical Case Report. Japanese Journal of Neurosurgery, 2014, 23, 744-749.	0.0	0
82	Causality analysis in epileptic seizure genesis. IEICE Proceeding Series, 2014, 1, 543-546.	0.0	0
83	Time-varying inter-hemispheric coherence during corpus callosotomy. Clinical Neurophysiology, 2013, 124, 2091-2100.	1.5	14
84	Parental satisfaction and seizure outcome after corpus callosotomy in patients with infantile or early childhood onset epilepsy. Seizure: the Journal of the British Epilepsy Association, 2013, 22, 303-305.	2.0	37
85	The usefulness of subtraction ictal SPECT and ictal near-infrared spectroscopic topography in patients with West syndrome. Brain and Development, 2013, 35, 887-893.	1.1	9
86	Summary of 15 Years Experience of Awake Surgeries for Neuroepithelial Tumors in Tohoku University. Neurologia Medico-Chirurgica, 2013, 53, 455-466.	2.2	5
87	Optogenetically Induced Seizure and the Longitudinal Hippocampal Network Dynamics. PLoS ONE, 2013, 8, e60928.	2.5	75
88	Complete remission of seizures after corpus callosotomy. Journal of Neurosurgery: Pediatrics, 2012, 10, 7-13.	1.3	35
89	Face specific broadband electrocorticographic spectral power change in the rhinal cortex. Neuroscience Letters, 2012, 515, 66-70.	2.1	8
90	Magnetoencephalography in fronto-parietal opercular epilepsy. Epilepsy Research, 2012, 102, 71-77.	1.6	30

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91	Surgical Anatomy of the Temporal lobe and Hippocampus in Epilepsy Surgery(<SPECIAL) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf50 Neurosurgery, 2012, 21, 610-617.	0.0	0
92	Dissociable prefrontal activity accompanying verb generation revealed by ECoG high gamma activity. Neuroscience Research, 2011, 71, e286.	1.9	0
93	Somatotopic distribution of peri-rolandic spikes may predict prognosis in pediatric-onset epilepsy with sensorimotor seizures. Clinical Neurophysiology, 2011, 122, 869-873.	1.5	14
94	Lateralization of interictal spikes after corpus callosotomy. Clinical Neurophysiology, 2011, 122, 2121-2127.	1.5	17
95	Generalized 3-Hz spike-and-wave complexes emanating from focal epileptic activity in pediatric patients. Epilepsy and Behavior, 2011, 20, 103-106.	1.7	21
96	Angiocentric Glioma and Surrounding Cortical Dysplasia Manifesting as Intractable Frontal Lobe Epilepsy-Case Report-. Neurologia Medico-Chirurgica, 2011, 51, 522-526.	2.2	13
97	Unique discrepancy between cerebral blood flow and glucose metabolism in hemimegalencephaly. Epilepsy Research, 2010, 92, 201-208.	1.6	17
98	Accentuated cortico-cortical evoked potentials in neocortical epilepsy in areas of ictal onset. Epileptic Disorders, 2010, 12, 292-302.	1.3	69
99	Endfolium sclerosis in temporal lobe epilepsy diagnosed preoperatively by 3-tesla magnetic resonance imaging. Journal of Neurosurgery, 2009, 110, 1124-1126.	1.6	10
100	Sinus thrombosis in idiopathic hypereosinophilic syndrome causing fatal cerebral haemorrhage. Journal of Clinical Neuroscience, 2008, 15, 585-587.	1.5	18
101	Neurenteric Cyst of the Craniocervical Junction in an Infant -Case Report-. Neurologia Medico-Chirurgica, 2008, 48, 86-89.	2.2	10
102	A Case of Penetrating Craniofacial Injury caused by Chopstick performed Surgical Repair of the CSF Fistula 48 Years Later. Japanese Journal of Neurosurgery, 2008, 17, 150-155.	0.0	1
103	Cavernous sinus dural arteriovenous fistula complicated by pontine venous congestion. A case report. World Neurosurgery, 2006, 65, 516-518.	1.3	28
104	Detection of Epileptiform Activity by Human Interpreters: Blinded Comparison between Electroencephalography and Magnetoencephalography. Epilepsia, 2005, 46, 59-68.	5.1	148
105	Effects of eyelid closure, blinks, and eye movements on the electroencephalogram. Clinical Neurophysiology, 2005, 116, 878-885.	1.5	87
106	Does magnetoencephalography add to scalp video-EEG as a diagnostic tool in epilepsy surgery?. Neurology, 2004, 63, 1987-1988.	1.1	32
107	Neuromagnetic separation of secondarily bilateral synchronized spike foci: report of three cases. Journal of Clinical Neuroscience, 2004, 11, 644-648.	1.5	16
108	Comparison of Magnetoencephalographic Spikes with and without Concurrent Electroencephalographic Spikes in Extratemporal Epilepsy. Tohoku Journal of Experimental Medicine, 2004, 203, 165-174.	1.2	33

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109	Focal magnetoencephalographic spikes in the superior temporal plane undetected by scalp EEG. Journal of Clinical Neuroscience, 2003, 10, 236-238.	1.5	21
110	Cortical somatosensory evoked potential mapping. Handbook of Clinical Neurophysiology, 2003, 3, 287-295.	0.0	2
111	Mesial temporal lobe epilepsy with lateral temporal lobe abnormalities in magnetoencephalography and glucose metabolism. Journal of Clinical Neuroscience, 2002, 9, 192-194.	1.5	2
112	Surgical Removal of the Glioma at the Precentral Gyrus. Japanese Journal of Neurosurgery, 2002, 11, 271-277.	0.0	0
113	Surgical Implications of Neuromagnetic Spike Localization in Temporal Lobe Epilepsy. Epilepsia, 2002, 43, 415-424.	5.1	111
114	Somatosensory evoked fields in comatose survivors after severe traumatic brain injury. Clinical Neurophysiology, 2001, 112, 205-211.	1.5	13
115	Neuromagnetic localization of N15, the initial cortical response to lip stimulus. NeuroReport, 2001, 12, 1-5.	1.2	127
116	Preoperative Correlation of Anatomical and Functional Imaging and Combined Use of a Neuronavigation System and Intraoperative Direct Cortical and Subcortical Stimulation Techniques for Preserving Motor Function. Japanese Journal of Neurosurgery, 2001, 10, 56-64.	0.0	1