

# Masaki Iwasaki

## List of Publications by Year in descending order

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116  
papers

1,766  
citations

331259

21  
h-index

329751

37  
g-index

132  
all docs

132  
docs citations

132  
times ranked

2125  
citing authors

#	ARTICLE	IF	CITATIONS
1	Detection of Epileptiform Activity by Human Interpreters: Blinded Comparison between Electroencephalography and Magnetoencephalography. <i>Epilepsia</i> , 2005, 46, 59-68.	2.6	148
2	Neuromagnetic localization of N15, the initial cortical response to lip stimulus. <i>NeuroReport</i> , 2001, 12, 1-5.	0.6	127
3	Surgical Implications of Neuromagnetic Spike Localization in Temporal Lobe Epilepsy. <i>Epilepsia</i> , 2002, 43, 415-424.	2.6	111
4	Effects of eyelid closure, blinks, and eye movements on the electroencephalogram. <i>Clinical Neurophysiology</i> , 2005, 116, 878-885.	0.7	87
5	Optogenetically Induced Seizure and the Longitudinal Hippocampal Network Dynamics. <i>PLoS ONE</i> , 2013, 8, e60928.	1.1	75
6	Accentuated cortico-cortical evoked potentials in neocortical epilepsy in areas of ictal onset. <i>Epileptic Disorders</i> , 2010, 12, 292-302.	0.7	69
7	High-Convexity Tightness Predicts the Shunt Response in Idiopathic Normal Pressure Hydrocephalus. <i>American Journal of Neuroradiology</i> , 2016, 37, 1831-1837.	1.2	60
8	Visualization of AMPA receptors in living human brain with positron emission tomography. <i>Nature Medicine</i> , 2020, 26, 281-288.	15.2	50
9	High frequency oscillations are less frequent but more specific to epileptogenicity during rapid eye movement sleep. <i>Clinical Neurophysiology</i> , 2016, 127, 179-186.	0.7	46
10	Hydrogel-Based Organic Subdural Electrode with High Conformability to Brain Surface. <i>Scientific Reports</i> , 2019, 9, 13379.	1.6	42
11	Parental satisfaction and seizure outcome after corpus callosotomy in patients with infantile or early childhood onset epilepsy. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2013, 22, 303-305.	0.9	37
12	Complete remission of seizures after corpus callosotomy. <i>Journal of Neurosurgery: Pediatrics</i> , 2012, 10, 7-13.	0.8	35
13	Comparison of Magnetoencephalographic Spikes with and without Concurrent Electroencephalographic Spikes in Extratemporal Epilepsy. <i>Tohoku Journal of Experimental Medicine</i> , 2004, 203, 165-174.	0.5	33
14	Does magnetoencephalography add to scalp video-EEG as a diagnostic tool in epilepsy surgery?. <i>Neurology</i> , 2004, 63, 1987-1988.	1.5	32
15	Earlier tachycardia onset in right than left mesial temporal lobe seizures. <i>Neurology</i> , 2014, 83, 1332-1336.	1.5	31
16	Magnetoencephalography in fronto-parietal opercular epilepsy. <i>Epilepsy Research</i> , 2012, 102, 71-77.	0.8	30
17	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.	2.4	29
18	Cavernous sinus dural arteriovenous fistula complicated by pontine venous congestion. A case report. <i>World Neurosurgery</i> , 2006, 65, 516-518.	1.3	28

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19	Clinical profiles for seizure remission and developmental gains after total corpus callosotomy. <i>Brain and Development</i> , 2016, 38, 47-53.	0.6	24
20	Practical surgical indicators to identify candidates for radical resection of insulo-opercular gliomas. <i>Journal of Neurosurgery</i> , 2014, 121, 1124-1132.	0.9	23
21	Modification of vertical hemispherotomy for refractory epilepsy. <i>Brain and Development</i> , 2014, 36, 124-129.	0.6	22
22	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.	0.6	22
23	Focal magnetoencephalographic spikes in the superior temporal plane undetected by scalp EEG. <i>Journal of Clinical Neuroscience</i> , 2003, 10, 236-238.	0.8	21
24	Generalized 3-Hz spike-and-wave complexes emanating from focal epileptic activity in pediatric patients. <i>Epilepsy and Behavior</i> , 2011, 20, 103-106.	0.9	21
25	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.	0.9	21
26	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.	0.5	21
27	Electro- and magneto-encephalographic spike source localization of small focal cortical dysplasia in the dorsal peri-rolandic region. <i>Clinical Neurophysiology</i> , 2014, 125, 2358-2363.	0.7	19
28	Sinus thrombosis in idiopathic hypereosinophilic syndrome causing fatal cerebral haemorrhage. <i>Journal of Clinical Neuroscience</i> , 2008, 15, 585-587.	0.8	18
29	Unique discrepancy between cerebral blood flow and glucose metabolism in hemimegalencephaly. <i>Epilepsy Research</i> , 2010, 92, 201-208.	0.8	17
30	Lateralization of interictal spikes after corpus callosotomy. <i>Clinical Neurophysiology</i> , 2011, 122, 2121-2127.	0.7	17
31	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.	1.4	17
32	Neuromagnetic separation of secondarily bilateral synchronized spike foci: report of three cases. <i>Journal of Clinical Neuroscience</i> , 2004, 11, 644-648.	0.8	16
33	Preservation of the Long Insular Artery to Prevent Postoperative Motor Deficits After Resection of Insulo-opercular Glioma: Technical Case Reports. <i>Neurologia Medico-Chirurgica</i> , 2014, 54, 321-326.	1.0	16
34	Non-invasive Evaluation for Epilepsy Surgery. <i>Neurologia Medico-Chirurgica</i> , 2016, 56, 632-640.	1.0	16
35	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.	1.2	16
36	Interhemispheric Vertical Hemispherotomy: A Single Center Experience. <i>Pediatric Neurosurgery</i> , 2015, 50, 295-300.	0.4	15

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37	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.	0.7	15
38	Somatotopic distribution of peri-rolandic spikes may predict prognosis in pediatric-onset epilepsy with sensorimotor seizures. <i>Clinical Neurophysiology</i> , 2011, 122, 869-873.	0.7	14
39	Time-varying inter-hemispheric coherence during corpus callosotomy. <i>Clinical Neurophysiology</i> , 2013, 124, 2091-2100.	0.7	14
40	Somatosensory evoked fields in comatose survivors after severe traumatic brain injury. <i>Clinical Neurophysiology</i> , 2001, 112, 205-211.	0.7	13
41	Angiocentric Glioma and Surrounding Cortical Dysplasia Manifesting as Intractable Frontal Lobe Epilepsy-Case Report-. <i>Neurologia Medico-Chirurgica</i> , 2011, 51, 522-526.	1.0	13
42	Obsessive-Compulsive Behavior Induced by Levetiracetam. <i>Journal of Child Neurology</i> , 2015, 30, 942-944.	0.7	12
43	Epilepsy surgery in children under 3 years of age: surgical and developmental outcomes. <i>Journal of Neurosurgery: Pediatrics</i> , 2021, 28, 395-403.	0.8	12
44	Optogenetic stimulus-triggered acquisition of seizure resistance. <i>Neurobiology of Disease</i> , 2022, 163, 105602.	2.1	12
45	Withdrawal of deep brain stimulation in patients with gilles de la tourette syndrome. <i>Movement Disorders</i> , 2019, 34, 1925-1926.	2.2	11
46	Cognitive and developmental outcomes after pediatric insular epilepsy surgery for focal cortical dysplasia. <i>Journal of Neurosurgery: Pediatrics</i> , 2020, 26, 543-551.	0.8	11
47	Neurenteric Cyst of the Craniocervical Junction in an Infant -Case Report-. <i>Neurologia Medico-Chirurgica</i> , 2008, 48, 86-89.	1.0	10
48	Endfolium sclerosis in temporal lobe epilepsy diagnosed preoperatively by 3-tesla magnetic resonance imaging. <i>Journal of Neurosurgery</i> , 2009, 110, 1124-1126.	0.9	10
49	The usefulness of subtraction ictal SPECT and ictal near-infrared spectroscopic topography in patients with West syndrome. <i>Brain and Development</i> , 2013, 35, 887-893.	0.6	9
50	RBPJ is disrupted in a case of proximal 4p deletion syndrome with epilepsy. <i>Brain and Development</i> , 2014, 36, 532-536.	0.6	9
51	Differences in sleep architecture between left and right temporal lobe epilepsy. <i>Neurological Sciences</i> , 2017, 38, 189-192.	0.9	9
52	Altered Expression of Astrocyte-Related Receptors and Channels Correlates With Epileptogenesis in Hippocampal Sclerosis. <i>Pediatric and Developmental Pathology</i> , 2019, 22, 532-539.	0.5	9
53	Face specific broadband electrocorticographic spectral power change in the rhinal cortex. <i>Neuroscience Letters</i> , 2012, 515, 66-70.	1.0	8
54	T2 relaxometry improves detection of non-sclerotic epileptogenic hippocampus. <i>Epilepsy Research</i> , 2016, 126, 1-9.	0.8	8

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55	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.	1.0	7
56	Single-Institutional Experience of Chronic Intracranial Electroencephalography Based on the Combined Usage of Subdural and Depth Electrodes. <i>Brain Sciences</i> , 2021, 11, 307.	1.1	7
57	Is intracranial electroencephalography useful for planning resective surgery in intractable epilepsy with ulegyria?. <i>Journal of Neurosurgery</i> , 2020, 133, 1576-1581.	0.9	7
58	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.	1.3	7
59	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.	0.6	6
60	Disrupted cortico-ponto-cerebellar pathway in patients with hemimegalencephaly. <i>Brain and Development</i> , 2019, 41, 507-515.	0.6	6
61	Alteration of the anatomical covariance network after corpus callosotomy in pediatric intractable epilepsy. <i>PLoS ONE</i> , 2019, 14, e0222876.	1.1	6
62	Transient water-electrolyte disturbance after hemispherotomy in young infants with epileptic encephalopathy. <i>Child's Nervous System</i> , 2020, 36, 1043-1048.	0.6	6
63	Single-subject gray matter networks in temporal lobe epilepsy patients with hippocampal sclerosis. <i>Epilepsy Research</i> , 2021, 177, 106766.	0.8	6
64	Deep Brain Stimulation for Refractory Tourette Syndrome: Electrode Position and Clinical Outcome. <i>Neurologia Medico-Chirurgica</i> , 2020, 61, 33-39.	1.0	6
65	Summary of 15 Years Experience of Awake Surgeries for Neuroepithelial Tumors in Tohoku University. <i>Neurologia Medico-Chirurgica</i> , 2013, 53, 455-466.	1.0	5
66	Postoperative improvement of executive function and adaptive behavior in children with intractable epilepsy. <i>Brain and Development</i> , 2021, 43, 280-287.	0.6	5
67	Histopathological validation and clinical correlates of hippocampal subfield volumetry based on T2-weighted MRI in temporal lobe epilepsy with hippocampal sclerosis. <i>Epilepsy Research</i> , 2021, 177, 106759.	0.8	4
68	Risk factors for psychological distress in electroencephalography technicians during the COVID-19 pandemic: A national-level cross-sectional survey in Japan. <i>Epilepsy and Behavior</i> , 2021, 125, 108361.	0.9	4
69	Sevoflurane-based enhancement of phase-amplitude coupling and localization of the epileptogenic zone. <i>Clinical Neurophysiology</i> , 2022, 134, 1-8.	0.7	4
70	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.	0.6	4
71	Temporal intermittent rhythmic delta activity and abdominal migraine. <i>Neurological Sciences</i> , 2014, 35, 627-628.	0.9	3
72	Resection of focal cortical dysplasia located in the upper pre-central gyrus. <i>Epileptic Disorders</i> , 2015, 17, 479-484.	0.7	3

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73	Fantastic confabulation in right frontal lobe epilepsy. <i>Epilepsy &amp; Behavior Case Reports</i> , 2016, 6, 55-57.	1.5	3
74	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.	0.5	3
75	Your verbal questions beginning with 'what' will rapidly deactivate the left prefrontal cortex of listeners. <i>Scientific Reports</i> , 2021, 11, 5257.	1.6	3
76	Remote Epilepsy Clinic using a Video Conferencing System. <i>Japanese Journal of Neurosurgery</i> , 2014, 23, 136-140.	0.0	3
77	The Onset of Interictal Spike-Related Ripples Facilitates Detection of the Epileptogenic Zone. <i>Frontiers in Neurology</i> , 2021, 12, 724417.	1.1	3
78	Mesial temporal lobe epilepsy with lateral temporal lobe abnormalities in magnetoencephalography and glucose metabolism. <i>Journal of Clinical Neuroscience</i> , 2002, 9, 192-194.	0.8	2
79	Cortical somatosensory evoked potential mapping. <i>Handbook of Clinical Neurophysiology</i> , 2003, 3, 287-295.	0.0	2
80	Seizure Freedom after Lamotrigine Rash: A Peculiar Phenomenon in Epilepsy. <i>Internal Medicine</i> , 2014, 53, 2521-2522.	0.3	2
81	Occult dual pathology in mesial temporal lobe epilepsy. <i>Neurological Sciences</i> , 2015, 36, 1743-1745.	0.9	2
82	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.	0.4	2
83	Enhanced MR Conspicuity of Type IIb Focal Cortical Dysplasia by T1WI With CHES. <i>Neurology: Clinical Practice</i> , 2021, 11, e750-e752.	0.8	2
84	Adaptive behavior and its related factors in children with focal epilepsy. <i>Epilepsy and Behavior</i> , 2020, 108, 107092.	0.9	2
85	Improvement of brain function after surgery in infants with posterior quadrant cortical dysplasia. <i>Clinical Neurophysiology</i> , 2021, 132, 332-337.	0.7	2
86	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.	0.7	2
87	Facial memory ability and self-awareness in patients with temporal lobe epilepsy after anterior temporal lobectomy. <i>PLoS ONE</i> , 2021, 16, e0248785.	1.1	2
88	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.	0.6	2
89	Ictal deafness in drug-resistant MRI-negative epilepsy. <i>Epileptic Disorders</i> , 2019, 21, 215-220.	0.7	2
90	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.	1.0	2

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91	Epileptic discharges initiate from brain areas with elevated accumulation of $\text{L}\pm\text{-amino-3-hydroxy-5-methyl-4-isoxazole propionic acid}$ receptors. <i>Brain Communications</i> , 2022, 4, fcac023.	1.5	2
92	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.	0.8	2
93	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.	0.4	1
94	External validation of the Epilepsy Surgery Grading Scale in a Japanese cohort of patients with epilepsy. <i>Epileptic Disorders</i> , 2021, 23, 104-110.	0.7	1
95	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. <i>Japanese Journal of Neurosurgery</i> , 2001, 10, 56-64.	0.0	1
96	A Case of Penetrating Craniofacial Injury caused by Chopstick performed Surgical Repair of the CSF Fistula 48 Years Later. <i>Japanese Journal of Neurosurgery</i> , 2008, 17, 150-155.	0.0	1
97	MEG in Epilepsy and Pre-surgical Functional Mapping. , 2014, , 821-842.		1
98	Apparently diffuse epileptic abnormalities caused by a small cavernous malformation: a surgical case report. <i>Epilepsy and Seizure</i> , 2018, 10, 107-113.	0.1	1
99	MEG in Epilepsy and Pre-surgical Functional Mapping. , 2019, , 1035-1058.		1
100	Efficient Detection of High-frequency Biomarker Signals of Epilepsy by a Transfer-learning-based Convolutional Neural Network. <i>Advanced Biomedical Engineering</i> , 2021, 10, 158-165.	0.4	1
101	Low EEG Gamma Entropy and Glucose Hypometabolism After Corpus Callosotomy Predicts Seizure Outcome After Subsequent Surgery. <i>Frontiers in Neurology</i> , 2022, 13, 831126.	1.1	1
102	Surgical Removal of the Glioma at the Precentral Gyrus. <i>Japanese Journal of Neurosurgery</i> , 2002, 11, 271-277.	0.0	0
103	Dissociable prefrontal activity accompanying verb generation revealed by ECoG high gamma activity. <i>Neuroscience Research</i> , 2011, 71, e286.	1.0	0
104	Surgical Anatomy of the Temporal lobe and Hippocampus in Epilepsy Surgery(&lt;SPECIAL) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 227 Td <i>Neurosurgery</i> , 2012, 21, 610-617.	0.0	0
105	Three patients with extra-temporal lobe epilepsy having seizures during REM sleep. <i>Sleep Medicine</i> , 2015, 16, S196.	0.8	0
106	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.	0.8	0
107	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
108	Current and Future Perspectives of Epilepsy Surgery in Japan. <i>Japanese Journal of Neurosurgery</i> , 2019, 28, 326-333.	0.0	0

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109	Postoperative changes in the brain: Assessment with serial T2WI/FLAIR MR images in non-neoplastic patients. <i>Epilepsy Research</i> , 2019, 154, 149-151.	0.8	0
110	Association between lack of functional connectivity of the frontal brain region and poor response inhibition in children with frontal lobe epilepsy. <i>Epilepsy and Behavior</i> , 2020, 113, 107561.	0.9	0
111	False Lateralization of Seizure Onset by Scalp EEG in Non-lesional Temporal Lobe Epilepsy : A Surgical Case Report. <i>Japanese Journal of Neurosurgery</i> , 2014, 23, 744-749.	0.0	0
112	Causality analysis in epileptic seizure genesis. <i>IEICE Proceeding Series</i> , 2014, 1, 543-546.	0.0	0
113	MEG in Epilepsy and Pre-surgical Functional Mapping. , 2019, , 1-24.		0
114	Revisional Analysis of Electroencephalography and Magnetoencephalography Based on Comprehensive Epilepsy Conference. , 2020, , 191-197.		0
115	Epilepsy in Five Long-term Survivors of Pineal Region Tumors. <i>NMC Case Report Journal</i> , 2021, 8, 773-780.	0.2	0
116	Development of Permeable and Transparent Intracranial Electrode Embedded in Hydrogel Substrate. <i>ECS Meeting Abstracts</i> , 2020, MA2020-02, 3311-3311.	0.0	0