Akio Ikeda

List of Publications by Year
in descending order

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242 papers	9,197 citations	36303 51 h-index	54911 84 g-index
261 all docs	261 docs citations	261 times ranked	7350 citing authors

#	Article	IF	Citations
1	IFCN standards for digital recording of clinical EEG. Electroencephalography and Clinical Neurophysiology, 1998, 106, 259-261.	0.3	524
2	MOVEMENT-RELATED POTENTIALS RECORDED FROM SUPPLEMENTARY MOTOR AREA AND PRIMARY MOTOR AREA. Brain, 1992, 115, 1017-1043.	7.6	421
3	ExpansionsÂofÂintronic TTTCA and TTTTA repeats in benign adult familial myoclonic epilepsy. Nature Genetics, 2018, 50, 581-590.	21.4	238
4	Subthreshold low-frequency repetitive transcranial magnetic stimulation over the premotor cortex modulates writer's cramp. Brain, 2004, 128, 104-115.	7.6	218
5	Movement-related change of electrocorticographic activity in human supplementary motor area proper. Brain, 2000, 123, 1203-1215.	7.6	192
6	Altered plasticity of the human motor cortex in Parkinson's disease. Annals of Neurology, 2006, 59, 60-71.	5.3	187
7	Primary somatosensory cortex is actively involved in pain processing in human. Brain Research, 2000, 853, 282-289.	2.2	180
8	Simultaneous Recording of Epileptiform Discharges by MEG and Subdural Electrodes in Temporal Lobe Epilepsy. NeuroImage, 1997, 5, 298-306.	4.2	153
9	Increased Synchronization of Cortical Oscillatory Activities between Human Supplementary Motor and Primary Sensorimotor Areas during Voluntary Movements. Journal of Neuroscience, 2001, 21, 9377-9386.	3.6	145
10	Pain-related somatosensory evoked potentials following CO2 laser stimulation in man. Electroencephalography and Clinical Neurophysiology - Evoked Potentials, 1989, 74, 139-146.	2.0	143
11	Human presupplementary motor area is active before voluntary movement: subdural recording of Bereitschaftspotential from medial frontal cortex. Experimental Brain Research, 2000, 131, 165-177.	1.5	141
12	Activities of the Primary and Supplementary Motor Areas Increase in Preparation and Execution of Voluntary Muscle Relaxation: An Event-Related fMRI Study. Journal of Neuroscience, 1999, 19, 3527-3534.	3.6	140
13	The cortical generators of the contingent negative variation in humans: a study with subdural electrodes. Electroencephalography and Clinical Neurophysiology - Evoked Potentials, 1997, 104, 257-268.	2.0	138
14	Dissociation between contingent negative variation (CNV) and Bereitschaftspotential (BP) in patients with parkinsonism. Electroencephalography and Clinical Neurophysiology, 1997, 102, 142-151.	0.3	130
15	How to record highâ€frequency oscillations in epilepsy: A practical guideline. Epilepsia, 2017, 58, 1305-1315.	5.1	127
16	Subdural Recording of Ictal DC Shifts in Neocortical Seizures in Humans. Epilepsia, 1996, 37, 662-674.	5.1	125
17	Low-frequency Electric Cortical Stimulation Has an Inhibitory Effect on Epileptic Focus in Mesial Temporal Lobeâ€ƒEpilepsy. Epilepsia, 2002, 43, 491-495.	5.1	123
18	Intraoperative dorsal language network mapping by using singleâ€pulse electrical stimulation. Human Brain Mapping, 2014, 35, 4345-4361.	3.6	120

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19	CO2 laser-induced pain-related somatosensory evoked potentials in peripheral neuropathies: Correlation between electrophysiological and histopathological findings. Muscle and Nerve, 1991, 14, 441-450.	2.2	110
20	Parietoâ€frontal network in humans studied by corticoâ€cortical evoked potential. Human Brain Mapping, 2012, 33, 2856-2872.	3.6	110
21	Direct Exploration of the Role of the Ventral Anterior Temporal Lobe in Semantic Memory: Cortical Stimulation and Local Field Potential Evidence From Subdural Grid Electrodes. Cerebral Cortex, 2015, 25, 3802-3817.	2.9	109
22	Movement-related potentials associated with bilateral simultaneous and unilateral movements recorded from human supplementary motor area. Electroencephalography and Clinical Neurophysiology, 1995, 95, 323-334.	0.3	102
23	Subdural potentials at orbitofrontal and mesial prefrontal areas accompanying anticipation and decision making in humans: a comparison with Bereitschaftspotential. Electroencephalography and Clinical Neurophysiology, 1996, 98, 206-212.	0.3	101
24	Familial cortical myoclonic tremor as a unique form of cortical reflex myoclonus. Movement Disorders, 1997, 12, 370-377.	3.9	97
25	Electric cortical stimulation suppresses epileptic and background activities in neocortical epilepsy and mesial temporal lobe epilepsy. Clinical Neurophysiology, 2005, 116, 1291-1299.	1.5	87
26	A taxonomy of seizure dynamotypes. ELife, 2020, 9, .	6.0	86
27	Pain-related and cognitive components of somatosensory evoked potentials following CO2 laser stimulation in man. Electroencephalography and Clinical Neurophysiology - Evoked Potentials, 1996, 100, 105-114.	2.0	83
28	Standardized computer-based organized reporting of EEG: SCORE â€“ Second version. Clinical Neurophysiology, 2017, 128, 2334-2346.	1.5	82
29	Dissociation between contingent negative variation and Bereitschaftspotential in a patient with cerebellar efferent lesion. Electroencephalography and Clinical Neurophysiology, 1994, 90, 359-364.	0.3	81
30	Clinical trial of piracetam in patients with myoclonus: Nationwide multiinstitution study in Japan. Movement Disorders, 1996, 11, 691-700.	3.9	80
31	Pathogenesis of cortical myoclonus studied by magnetoencephalography. Annals of Neurology, 1998, 43, 598-607.	5.3	76
32	Electrocorticogramâ€“electromyogram coherence during isometric contraction of hand muscle in human. Clinical Neurophysiology, 2000, 111, 2014-2024.	1.5	76
33	Low-frequency electric cortical stimulation decreases interictal and ictal activity in human epilepsy. Seizure: the Journal of the British Epilepsy Association, 2006, 15, 520-527.	2.0	75
34	Somatosensory evoked potentials following proprioceptive stimulation of finger in man. Experimental Brain Research, 1996, 111, 233-45.	1.5	74
35	Movement-related potentials associated with single and repetitive movements recorded from human supplementary motor area. Electroencephalography and Clinical Neurophysiology - Evoked Potentials, 1993, 89, 269-277.	2.0	71
36	Generator Mechanism of Pain-Related Evoked Potentials Following CO2 Laser Stimulation of the Hand. Journal of Clinical Neurophysiology, 1994, 11, 242-254.	1.7	71

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37	Abnormal cortical processing of voluntary muscle relaxation in patients with focal hand dystonia studied by movement-related potentials. Brain, 1999, 122, 1357-1366.	7.6	71
38	Role of primary sensorimotor cortex and supplementary motor area in volitional swallowing: a movement-related cortical potential study. American Journal of Physiology - Renal Physiology, 2004, 287, G459-G470.	3.4	70
39	Electric Stimulation on Human Cortex Suppresses Fast Cortical Activity and Epileptic Spikes. Epilepsia, 2004, 45, 787-791.	5.1	70
40	Intracranially recorded ictal direct current shifts may precede high frequency oscillations in human epilepsy. Clinical Neurophysiology, 2015, 126, 47-59.	1.5	70
41	Low-frequency repetitive transcranial magnetic stimulation for seizure suppression in patients with extratemporal lobe epilepsyâ€”A pilot study. Seizure: the Journal of the British Epilepsy Association, 2005, 14, 387-392.	2.0	69
42	Improved cerebral function in mesial temporal lobe epilepsy after subtemporal amygdalohippocampectomy. Brain, 2009, 132, 185-194.	7.6	69
43	Invasive Recording of Movement-Related Cortical Potentials in Humans. Journal of Clinical Neurophysiology, 1992, 9, 509-520.	1.7	67
44	Evidence for a wide distribution of negative motor areas in the perirolandic cortex. Clinical Neurophysiology, 2006, 117, 33-40.	1.5	67
45	Multisensory convergence at human temporo-parietal junction â€“ epicortical recording of evoked responses. Clinical Neurophysiology, 2004, 115, 1145-1160.	1.5	66
46	Abnormal contingent negative variation in writer's cramp. Clinical Neurophysiology, 1999, 110, 508-515.	1.5	65
47	Cortical mechanism underlying externally cued gait initiation studied by contingent negative variation. Electroencephalography and Clinical Neurophysiology - Electromyography and Motor Control, 1997, 105, 390-399.	1.4	63
48	In Vivo Epileptogenicity of Focal Cortical Dysplasia: A Direct Cortical Paired Stimulation Study. Epilepsia, 2005, 46, 1744-1749.	5.1	59
49	Sleep modulates cortical connectivity and excitability in humans: Direct evidence from neural activity induced by singleâ€pulse electrical stimulation. Human Brain Mapping, 2015, 36, 4714-4729.	3.6	59
50	Clinical impact of intraoperative CCEP monitoring in evaluating the dorsal language white matter pathway. Human Brain Mapping, 2017, 38, 1977-1991.	3.6	58
51	Amygdalar enlargement in patients with temporal lobe epilepsy. Journal of Neurology, Neurosurgery and Psychiatry, 2011, 82, 652-657.	1.9	56
52	Abnormal sensorimotor integration in writer's cramp: Study of contingent negative variation. Movement Disorders, 1996, 11, 683-690.	3.9	54
53	Cortical reflex negative myoclonus. Brain, 1994, 117, 477-486.	7.6	51
54	Human supplementary motor area is active in preparation for both voluntary muscle relaxation and contraction: subdural recording of Bereitschaftspotential. Neuroscience Letters, 1998, 244, 145-148.	2.1	51

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55	Peri-rolandic and fronto-parietal components of scalp-recorded giant SEPs in cortical myoclonus. Electroencephalography and Clinical Neurophysiology - Evoked Potentials, 1995, 96, 300-309.	2.0	49
56	Cortical Motor Mapping in Epilepsy Patients: Information from Subdural Electrodes in Presurgicalâ€ƒ Evaluation. Epilepsia, 2002, 43, 56-60.	5.1	48
57	Epilepsy care during the COVIDâ€19 pandemic. Epilepsia, 2021, 62, 2322-2332.	5.1	48
58	Conversion of semantic information into phonological representation: a function in left posterior basal temporal area. Brain, 2003, 126, 632-641.	7.6	47
59	Use of magnetoencephalography in the presurgical evaluation of epilepsy patients. Clinical Neurophysiology, 2007, 118, 1438-1448.	1.5	47
60	Functional mapping of human medial frontal motor areas. Experimental Brain Research, 2001, 138, 403-409.	1.5	46
61	Human eye fields in the frontal lobe as studied by epicortical recording of movementâ€related cortical potentials. Brain, 2004, 127, 873-887.	7.6	43
62	Ictal wideband ECoG: Direct comparison between ictal slow shifts and high frequency oscillations. Clinical Neurophysiology, 2011, 122, 1500-1504.	1.5	43
63	Effect of CYP2C19 polymorphisms on the clinical outcome of low-dose clobazam therapy in Japanese patients with epilepsy. European Journal of Clinical Pharmacology, 2015, 71, 51-58.	1.9	43
64	Movement-related cortical potentials before jaw excursions in oromandibular dystonia. Movement Disorders, 2003, 18, 94-100.	3.9	42
65	Cortical mechanisms of unilateral voluntary motor inhibition in humans. Neuroscience Research, 2005, 53, 428-435.	1.9	40
66	Negative motor seizure arising from the negative motor area: Is it ictal apraxia?. Epilepsia, 2009, 50, 2072-2084.	5.1	40
67	Partial Epilepsy Manifesting Atonic Seizure: Report of Two Cases. Epilepsia, 2002, 43, 1425-1431.	5.1	39
68	Left anterior temporal cortex actively engages in speech perception: A direct cortical stimulation study. Neuropsychologia, 2011, 49, 1350-1354.	1.6	39
69	Neural correlates of mirth and laughter: A direct electrical cortical stimulation study. Cortex, 2015, 66, 134-140.	2.4	39
70	Generator locations of movement-related potentials with tongue protrusions and vocalizations: subdural recording in human. Electroencephalography and Clinical Neurophysiology - Evoked Potentials, 1995, 96, 310-328.	2.0	38
71	Signal separation of background EEG and spike by using morphological filter. Medical Engineering and Physics, 1999, 21, 601-608.	1.7	38
72	Low-dose perampanel improves refractory cortical myoclonus by the dispersed and suppressed paroxysmal depolarization shifts in the sensorimotor cortex. Clinical Neurophysiology, 2019, 130, 1804-1812.	1.5	38

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73	Pain-related somatosensory evoked potentials following CO2 laser stimulation of foot in man. Electroencephalography and Clinical Neurophysiology - Evoked Potentials, 1995, 96, 12-23.	2.0	37
74	Desynchronization and synchronization of central 20-Hz rhythms associated with voluntary muscle relaxation: a magnetoencephalographic study. Experimental Brain Research, 2000, 134, 417-425.	1.5	37
75	Technical quality evaluation of EEG recording based on electroencephalographersâ€™ knowledge. Medical Engineering and Physics, 2005, 27, 93-100.	1.7	37
76	An Automatic Spike Detection System Based on Elimination of False Positives Using the Large-Area Context in the Scalp EEG. IEEE Transactions on Biomedical Engineering, 2011, 58, 2478-2488.	4.2	37
77	Supplementary Motor Area Seizure Resembling Sleep Disorder. Sleep, 1996, 19, 811-816.	1.1	36
78	Serial processing of the somesthetic information revealed by different effects of stimulus rate on the somatosensory-evoked potentials and magnetic fields. Brain Research, 1998, 791, 200-208.	2.2	36
79	Increased cortical hyperexcitability and exaggerated myoclonus with aging in benign adult familial myoclonus epilepsy. Movement Disorders, 2011, 26, 1509-1514.	3.9	36
80	A rat model for LGI1-related epilepsies. Human Molecular Genetics, 2012, 21, 3546-3557.	2.9	36
81	Clinical Usefulness of the Dipole Tracing Method for Localizing Interictal Spikes in Partial Epilepsy. Epilepsia, 1998, 39, 371-379.	5.1	34
82	Movement-related cortical potentials associated with voluntary relaxation of foot muscles. Clinical Neurophysiology, 1999, 110, 397-403.	1.5	34
83	Motor-related functional subdivisions of human lateral premotor cortex: epicortical recording in conditional visuomotor task. Clinical Neurophysiology, 2003, 114, 1102-1115.	1.5	34
84	Asymmetric bilateral effect of the supplementary motor area proper in the human motor system. Clinical Neurophysiology, 2012, 123, 324-334.	1.5	34
85	Inhibition of Inwardly Rectifying Potassium (Kir) 4.1 Channels Facilitates Brain-Derived Neurotrophic Factor (BDNF) Expression in Astrocytes. Frontiers in Molecular Neuroscience, 2017, 10, 408.	2.9	34
86	Scalp topography of giant SEP and pre-myoclonus spike in cortical reflex myoclonus. Electroencephalography and Clinical Neurophysiology - Evoked Potentials, 1991, 81, 31-37.	2.0	33
87	Clinical application of automatic integrative interpretation of awake background. EEG: quantitative interpretation, report making, and detection of artifacts and reduced vigilance level. Electroencephalography and Clinical Neurophysiology, 1996, 98, 103-112.	0.3	33
88	A Combined Subtemporal and Transventricular/Transchoroidal Fissure Approach to Medial Temporal Lesions. Neurosurgery, 2004, 54, 1162-1169.	1.1	33
89	Subtemporal Hippocampectomy Preserving the Basal Temporal Language Area for Intractable Mesial Temporal Lobe Epilepsy: Preliminary Results. Epilepsia, 2006, 47, 1347-1353.	5.1	33
90	Connectivity Gradient in the Human Left Inferior Frontal Gyrus: Intraoperative Cortico-Cortical Evoked Potential Study. Cerebral Cortex, 2020, 30, 4633-4650.	2.9	33

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91	Active direct current (DC) shifts and â€œRed slowâ€• two new concepts for seizure mechanisms and identification of the epileptogenic zone. Neuroscience Research, 2020, 156, 95-101.	1.9	33
92	A step-by-step resection guided by electrocorticography for nonmalignant brain tumors associated with long-term intractable epilepsy. Epilepsy and Behavior, 2006, 8, 560-564.	1.7	32
93	Efficacy of low-dose, add-on therapy of clobazam (CLB) is produced by its major metabolite, N-desmethyl-CLB. Journal of the Neurological Sciences, 2007, 263, 44-48.	0.6	30
94	Anterior temporal lobe white matter abnormal signal (ATLAS) as an indicator of seizure focus laterality in temporal lobe epilepsy: comparison of double inversion recovery, FLAIR and T2W MR imaging. European Radiology, 2013, 23, 3-11.	4.5	30
95	Temporal Lobe Epilepsy with Amygdala Enlargement: A Morphologic and Functional Study. Journal of Neuroimaging, 2014, 24, 54-62.	2.0	29
96	Modality-specific organization for cutaneous and proprioceptive sense in human primary sensory cortex studied by chronic epicortical recording. Electroencephalography and Clinical Neurophysiology - Evoked Potentials, 1997, 104, 103-107.	2.0	28
97	â€œSupplementary motor area (SMA) seizureâ€•rather than â€œSMA epilepsyâ€•in optimal surgical candidates: a document of subdural mapping. Journal of the Neurological Sciences, 2002, 202, 43-52.	0.6	27
98	Nationwide survey in Japan endorsed diagnostic criteria of benign adult familial myoclonus epilepsy. Seizure: the Journal of the British Epilepsy Association, 2018, 61, 14-22.	2.0	27
99	Automatic EEG interpretation: a new computer-assisted system for the automatic integrative interpretation of awake background EEG. Electroencephalography and Clinical Neurophysiology, 1992, 82, 423-431.	0.3	26
100	"Cavernous Sinus EEG": A New Method for the Preoperative Evaluation of Temporal Lobe Epilepsy. Epilepsia, 1997, 38, 472-482.	5.1	26
101	Processing of Japanese morphogram and syllabogram in the left basal temporal area: electrical cortical stimulation studies. Cognitive Brain Research, 2005, 24, 274-283.	3.0	26
102	Generators and temporal succession of giant somatosensory evoked potentials in cortical reflex myoclonus: Epicortical recording from sensorimotor cortex. Clinical Neurophysiology, 2006, 117, 1481-1486.	1.5	26
103	Evidence for a deep, distributed and dynamic code for animacy in human ventral anterior temporal cortex. ELife, 2021, 10, .	6.0	26
104	Different activation of presupplementary motor area, supplementary motor area proper, and primary sensorimotor area, depending on the movement repetition rate in humans. Experimental Brain Research, 2000, 135, 163-172.	1.5	25
105	Mutations in LGI1 gene in Japanese families with autosomal dominant lateral temporal lobe epilepsy: The first report from Asian families. Epilepsia, 2010, 51, 690-693.	5.1	25
106	Clinical anticipation in Japanese families of benign adult familial myoclonus epilepsy. Epilepsia, 2012, 53, e33-6.	5.1	25
107	Nicotine Elicits Convulsive Seizures by Activating Amygdalar Neurons. Frontiers in Pharmacology, 2017, 8, 57.	3.5	25
108	Wave form decomposition of â€˜giant SEPâ€™ and its computer model for scalp topography. Electroencephalography and Clinical Neurophysiology - Evoked Potentials, 1990, 77, 286-294.	2.0	24

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109	Event-related potentials during paired associate memory paradigm. Electroencephalography and Clinical Neurophysiology - Evoked Potentials, 1996, 100, 407-421.	2.0	24
110	Cortical mechanisms underlying point localization of pain spot as studied by event-related potentials following CO 2 laser stimulation in man. Experimental Brain Research, 1999, 127, 131-140.	1.5	24
111	Implication of sensorimotor integration in the generation of periodic dystonic myoclonus in subacute sclerosing panencephalitis (SSPE). Movement Disorders, 2000, 15, 1173-1183.	3.9	24
112	Pre-SMA actively engages in conflict processing in human: A combined study of epicortical ERPs and direct cortical stimulation. Neuropsychologia, 2013, 51, 1011-1017.	1.6	24
113	The neural tides of sleep and consciousness revealed by single-pulse electrical brain stimulation. Sleep, 2019, 42, .	1.1	24
114	Automatic Detection of P300 in Single Sweep Records of Auditory Event-Related Potential. Journal of Clinical Neurophysiology, 1994, 11, 448-460.	1.7	23
115	Reappraisal of the effect of electrode property on recording slow potentials. Electroencephalography and Clinical Neurophysiology, 1998, 107, 59-63.	0.3	23
116	Role of Astrocytic Inwardly Rectifying Potassium (Kir) 4.1 Channels in Epileptogenesis. Frontiers in Neurology, 2020, 11, 626658.	2.4	23
117	Presurgical identification of epileptic foci with iodine-123 iomazenil SPET: Comparison with brain perfusion SPET and FDG PET. European Journal of Nuclear Medicine and Molecular Imaging, 1997, 24, 27-34.	2.1	22
118	Role of lateral non-primary motor cortex in humans as revealed by epicortical recording of Bereitschaftspotentials. Experimental Brain Research, 2004, 156, 135-148.	1.5	21
119	Scalp-Recorded, Ictal Focal DC Shift in a Patient with Tonic Seizure. Epilepsia, 1997, 38, 1350-1354.	5.1	20
120	Use of Cavernous Sinus EEG in the Detection of Seizure Onset and Spread in Mesial Temporal Lobe Epilepsy. Epilepsia, 2000, 41, 1411-1419.	5.1	20
121	Epileptic network of hypothalamic hamartoma: An EEG-fMRI study. Epilepsy Research, 2016, 125, 1-9.	1.6	20
122	High frequency activity overriding cortico-cortical evoked potentials reflects altered excitability in the human epileptic focus. Clinical Neurophysiology, 2017, 128, 1673-1681.	1.5	20
123	Somesthetic function of supplementary motor area during voluntary movements. NeuroReport, 1999, 10, 1859-1862.	1.2	19
124	Surgical resection of an epileptogenic cortical dysplasia in the deep foot sensorimotor area. Epilepsy and Behavior, 2005, 7, 559-562.	1.7	19
125	Bereitschaftspotential augmentation by neuro-feedback training in Parkinsonâ€™s disease. Clinical Neurophysiology, 2013, 124, 1398-1405.	1.5	19
126	Down-Regulation of Astrocytic Kir4.1 Channels during the Audiogenic Epileptogenesis in Leucine-Rich Glioma-Inactivated 1 (Lgi1) Mutant Rats. International Journal of Molecular Sciences, 2019, 20, 1013.	4.1	19

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127	Preoperative mapping for patients with supplementary motor area epilepsy: multimodality brain mapping. Psychiatry and Clinical Neurosciences, 2004, 58, S16-S21.	1.8	18
128	Standards for data acquisition and softwareâ€based analysis of inÂvivo electroencephalography recordings from animals. A TASK 1â€•WG 5 report of the AES/ ILAE Translational Task Force of the ILAE. Epilepsia, 2017, 58, 53-67.	5.1	18
129	Propagation of tonic posturing in supplementary motor area (SMA) seizures. Epilepsy Research, 2004, 62, 179-187.	1.6	17
130	Increased clinical anticipation with maternal transmission in benign adult familial myoclonus epilepsy in Japan. Epileptic Disorders, 2013, 15, 428-432.	1.3	17
131	Network specific change in white matter integrity in mesial temporal lobe epilepsy. Epilepsy Research, 2016, 120, 65-72.	1.6	17
132	How do we use inÂvitro models to understand epileptiform and ictal activity? A report of the <scp>TASK</scp>1â€‹<scp>WG</scp>4 group of the <scp>ILAE</scp>/<scp>AES</scp> Joint Translational Task Force. Epilepsia Open, 2018, 3, 460-473.	2.4	17
133	Event-Related Potentials Associated With Judgment: Comparison of S1- and S2-Choice Conditions in a Contingent Negative Variation (CNV) Paradigm. Journal of Clinical Neurophysiology, 1997, 14, 394-405.	1.7	17
134	Limited value of interictal brain perfusion SPECT for detection of epileptic foci: High resolution SPECT studies in comparison with FDG-PET. Annals of Nuclear Medicine, 1995, 9, 59-63.	2.2	16
135	Afferent mechanism of cortical myoclonus studied by proprioception-related SEPs. Electroencephalography and Clinical Neurophysiology - Evoked Potentials, 1997, 104, 51-59.	2.0	16
136	Adaptive EEG spike detection: determination of threshold values based on conditional probability. Frontiers of Medical and Biological Engineering: the International Journal of the Japan Society of Medical Electronics and Biological Engineering, 2001, 11, 261-277.	0.2	16
137	Persistent frequent subclinical seizures and memory impairment after clinical remission in smoldering limbic encephalitis. Epileptic Disorders, 2014, 16, 312-317.	1.3	16
138	Autosomal dominant temporal lobe epilepsy in a Japanese family. Journal of the Neurological Sciences, 2000, 176, 162-165.	0.6	15
139	Evaluation of focus laterality in temporal lobe epilepsy: A quantitative study comparing double inversionâ€recovery <scp>MR</scp> imaging at 3<scp>T</scp> with FDGâ€PET. Epilepsia, 2013, 54, 2174-2183.	5.1	15
140	Antiepileptic Drugs Elevate Astrocytic Kir4.1 Expression in the Rat Limbic Region. Frontiers in Pharmacology, 2018, 9, 845.	3.5	15
141	Generator Mechanisms of Bereitschaftspotentials as Studied by Epicortical Recording in Patients with Intractable Partial Epilepsy. , 2003, , 45-59.		15
142	Possible anticipation in BAFME: Three generations examined in a Japanese family. Movement Disorders, 2005, 20, 1076-1077.	3.9	14
143	Automatic interpretation and writing report of the adult waking electroencephalogram. Clinical Neurophysiology, 2014, 125, 1081-1094.	1.5	14
144	Alpha-band desynchronization in human parietal area during reach planning. Clinical Neurophysiology, 2015, 126, 756-762.	1.5	14

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145	Benign adult familial myoclonus epilepsy is a progressive disorder: no longer idiopathic generalized epilepsy. Epileptic Disorders, 2016, 18, 67-72.	1.3	13
146	Efficacy and tolerability of levetiracetam as adjunctive therapy in <scp>J</scp>apanese patients with uncontrolled partialâ€onset seizures. Psychiatry and Clinical Neurosciences, 2015, 69, 640-648.	1.8	12
147	Human entorhinal cortex electrical stimulation evoked shortâ€latency potentials in the broad neocortical regions: Evidence from corticoâ€cortical evoked potential recordings. Brain and Behavior, 2019, 9, e01366.	2.2	12
148	Prescription patterns of antiepileptic drugs for adult patients with newly diagnosed focal epilepsy from 2006 to 2017 in Japan. Epilepsy Research, 2021, 169, 106503.	1.6	12
149	Frontopolar Ictal Epileptiform Discharges on Scalp Electroencephalogram in Temporal Lobe Epilepsy. Journal of Clinical Neurophysiology, 1997, 14, 507-512.	1.7	12
150	Distinct cortical areas for motor preparation and execution in human identified by Bereitschaftspotential recording and ECoG-EMG coherence analysis. Clinical Neurophysiology, 2003, 114, 1259-1264.	1.5	11
151	Evaluation of seizure foci and genes in the Lgi1 mutant rat. Neuroscience Research, 2014, 80, 69-75.	1.9	11
152	Long-term follow-up of cortical hyperexcitability in Japanese Unverrichtâ€“Lundborg disease. Seizure: the Journal of the British Epilepsy Association, 2014, 23, 746-750.	2.0	11
153	Effects of propofol on cortico-cortical evoked potentials in the dorsal language white matter pathway. Clinical Neurophysiology, 2021, 132, 1919-1926.	1.5	11
154	Markov Process Amplitude EEG Model for Spontaneous Background Activity. Journal of Clinical Neurophysiology, 2001, 18, 283-290.	1.7	10
155	Fibers from the dorsal premotor cortex elicit motor-evoked potential in a cortical dysplasia. NeuroImage, 2007, 34, 12-18.	4.2	10
156	Temporal Dynamics of Japanese Morphogram and Syllabogram Processing in the Left Basal Temporal Area Studied by Event-Related Potentials. Journal of Clinical Neurophysiology, 2009, 26, 160-166.	1.7	10
157	Role of posterior parietal cortex in reaching movements in humans: Clinical implication for â€˜optic ataxiaâ€™. Clinical Neurophysiology, 2013, 124, 2230-2241.	1.5	10
158	Phasic REM Transiently Approaches Wakefulness in the Human Cortexâ€”A Single-Pulse Electrical Stimulation Study. Sleep, 2017, 40, .	1.1	10
159	Interictal Slow and High-Frequency Oscillations: Is it an Epileptic Slow or Red Slow?. Journal of Clinical Neurophysiology, 2019, 36, 166-170.	1.7	10
160	Pattern Recognition in Epileptic EEG Signals via Dynamic Mode Decomposition. Mathematics, 2020, 8, 481.	2.2	10
161	A new form of congenital proprioceptive sensory neuropathy associated with arthrogryposis multiplex. Journal of Neurology, 2004, 251, 1340-1344.	3.6	9
162	Abnormal auditory cortex with giant N100m signal in patients with autosomal dominant lateral temporal lobe epilepsy. Clinical Neurophysiology, 2009, 120, 1923-1926.	1.5	9

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163	How does voluntary movement stop resting tremor?. Clinical Neurophysiology, 2010, 121, 983-985.	1.5	9
164	Different Mode of Afferents Determines the Frequency Range of High Frequency Activities in the Human Brain: Direct Electrocorticographic Comparison between Peripheral Nerve and Direct Cortical Stimulation. PLoS ONE, 2015, 10, e0130461.	2.5	9
165	We could predict good responders to vagus nerve stimulation: A surrogate marker by slow cortical potential shift. Clinical Neurophysiology, 2017, 128, 1583-1589.	1.5	9
166	Importance of access to epilepsy monitoring units during the COVID-19 pandemic: Consensus statement of the International League against epilepsy and the International Federation of Clinical Neurophysiology. Clinical Neurophysiology, 2021, 132, 2248-2250.	1.5	9
167	Effects of Trans-sylvian Approach to Basal Forebrain Projection Fibers: Verbal Memory Decline after Selective Amygdalohippocampectomy. Epilepsia, 2005, 46, 334-334.	5.1	8
168	Transient Myoclonic State with Asterixis: Primary Motor Cortex Hyperexcitability is Correlated with Myoclonus. Internal Medicine, 2011, 50, 2303-2309.	0.7	8
169	Network hyperexcitability in a patient with partial reading epilepsy: Converging evidence from magnetoencephalography, diffusion tractography, and functional magnetic resonance imaging. Clinical Neurophysiology, 2015, 126, 675-681.	1.5	8
170	Hashimoto's Encephalopathy Presenting with Smoldering Limbic Encephalitis. Internal Medicine, 2019, 58, 1167-1172.	0.7	8
171	Intraoperative Electrophysiologic Mapping of Medial Frontal Motor Areas and Functional Outcomes. World Neurosurgery, 2020, 138, e389-e404.	1.3	8
172	Painful Focal Sensory Seizure Arising from the Primary Somatosensory Cortex. Internal Medicine, 2003, 42, 875-879.	0.7	7
173	Epileptic polyopia with right temporal lobe epilepsy as studied by FDG-PET and MRI: A case report. Journal of the Neurological Sciences, 2006, 247, 109-111.	0.6	7
174	Ipsilateral facial sensory and motor responses to basal fronto-temporal cortical stimulation: Evidence suggesting direct activation of cranial nerves. Epilepsy Research, 2006, 71, 216-222.	1.6	7
175	Decreased cortical excitability in Unverrichtâ€“Lundborg disease in the long-term follow-up: A consecutive SEP study. Clinical Neurophysiology, 2011, 122, 1617-1621.	1.5	7
176	Cortico-cortical evoked potential by single-pulse electrical stimulation is a generally safe procedure. Clinical Neurophysiology, 2021, 132, 1033-1040.	1.5	7
177	A Biomarker for Benign Adult Familial Myoclonus Epilepsy: Highâ€Frequency Activities in Giant Somatosensory Evoked Potentials. Movement Disorders, 2021, 36, 2335-2345.	3.9	7
178	Impact of <scp>COVID</scp>â€19 pandemic on epilepsy care in Japan: AÂnationalâ€level multicenter retrospective cohort study. Epilepsia Open, 2022, 7, 431-441.	2.4	7
179	Right parietal source in Mahjongâ€induced seizure: a system epilepsy of focal origin. Clinical Case Reports (discontinued), 2016, 4, 948-951.	0.5	6
180	Multi-component intrinsic brain activities as a safe alternative to cortical stimulation for sensori-motor mapping in neurosurgery. Clinical Neurophysiology, 2018, 129, 2038-2048.	1.5	6

#	Article	IF	Citations
181	Engagement of cortico-cortical and cortico-subcortical networks in a patient with epileptic spasms: An integrated neurophysiological study. Clinical Neurophysiology, 2020, 131, 2255-2264.	1.5	6
182	Bereitschaftspotentials recorded from the lateral part of the superior frontal gyrus in humans. Neuroscience Letters, 2006, 399, 1-5.	2.1	5
183	Automatic detection of the topographical distribution of EEG rhythms based on an iterative adjustment of the averaged reference potential. Artificial Life and Robotics, 2011, 16, 243-247.	1.2	5
184	Automatic reference selection for quantitative EEG interpretation: Identification of diffuse/localised activity and the active earlobe reference, iterative detection of the distribution of EEG rhythms. Medical Engineering and Physics, 2014, 36, 88-95.	1.7	5
185	Risk Factors for Infective Complications with Long-Term Subdural Electrode Implantation in Patients with Medically Intractable Partial Epilepsy. World Neurosurgery, 2015, 84, 320-326.	1.3	5
186	Magnetoencephalography with temporal spread imaging to visualize propagation of epileptic activity. Clinical Neurophysiology, 2017, 128, 734-743.	1.5	5
187	A Role of Aging in the Progression of Cortical Excitability in Benign Adult Familial Myoclonus Epilepsy type 1 Patients. Movement Disorders, 2021, 36, 2446-2448.	3.9	5
188	Automatic EEG Spike Detection by Use of Adaptive Decision Criteria to Individual EEG Records. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1997, 30, 1263-1268.	0.4	4
189	A possible variant of negative motor seizure arising from the supplementary negative motor area. Clinical Neurology and Neurosurgery, 2015, 134, 126-129.	1.4	4
190	Sleep is associated with reduction of epileptiform discharges in benign adult familial myoclonus epilepsy. Epilepsy & Behavior Case Reports, 2019, 11, 18-21.	1.5	4
191	Scalp EEG Could Record Both Ictal Direct Current Shift and High-Frequency Oscillation Together Even With a Time Constant of 2 Seconds. Journal of Clinical Neurophysiology, 2020, 37, 191-194.	1.7	4
192	Importance of access to epilepsy monitoring units during the COVIDâ€19 pandemic: consensus statement of the International League Against Epilepsy and the International Federation of Clinical Neurophysiologyâ^—. Epileptic Disorders, 2021, 23, 533-536.	1.3	4
193	1533 Movement preparation in human pre-supplementary motor area as studied by subdural recording of bereitschaftspotential. Neuroscience Research, 1997, 28, S191.	1.9	3
194	Signal separation of background EEG and spike by using morphological filter. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1999, 32, 4301-4306.	0.4	3
195	Automatic EEG interpretation adaptable to individual electroencephalographer using artificial neural network. International Journal of Adaptive Control and Signal Processing, 2002, 16, 25-37.	4.1	3
196	Bipolar EEG Analysis Based on Cross Spectrum: Focal Detection of Slowing Wave for Automatic EEG Interpretation. , 2009, , .		3
197	Automatic interpretation of hyperventilation-induced electroencephalogram constructed in the way of qualified electroencephalographerâ€™s visual inspection. Medical and Biological Engineering and Computing, 2011, 49, 171-180.	2.8	3
198	Convergence paralysis caused by a localized cerebral infarction affecting the white matter underlying the right frontal eye field. Journal of the Neurological Sciences, 2017, 375, 94-96.	0.6	3

#	Article	IF	Citations
199	Novel <scp>LGI</scp>1 mutation in a Japanese autosomal dominant lateral temporal lobe epilepsy family. Neurology and Clinical Neuroscience, 2017, 5, 44-45.	0.4	3
200	Psychogenic non-epileptic seizures in Japan: Trends in prevalence, delay in diagnosis, and frequency of hospital visits. Epilepsy and Seizure, 2018, 10, 73-86.	0.2	3
201	Do scalp-recorded slow potentials during neuro-feedback training reflect the cortical activity?. Clinical Neurophysiology, 2018, 129, 1884-1890.	1.5	3
202	A rational, multispectral mapping algorithm for primary motor cortex: A primary step before cortical stimulation. Epilepsia, 2019, 60, 547-559.	5.1	3
203	Two types of clinical ictal direct current shifts in invasive EEG of intractable focal epilepsy identified by waveform cluster analysis. Clinical Neurophysiology, 2022, 137, 113-121.	1.5	3
204	Characteristics of auditory P300 in children: application of single trial analysis. Brain and Development, 1994, 16, 374-381.	1.1	2
205	Chapter 4 Electrocorticography in motor control and movement disorders. Handbook of Clinical Neurophysiology, 2003, 1, 31-44.	0.0	2
206	Rapid Recovery from Coma with Multifocal PLEDs in a Patient with Severe Dementia and Transient Hypoxemia. Internal Medicine, 2006, 45, 823-826.	0.7	2
207	Absence of an Autonomic Sign Assists in the Diagnosis of Extratemporal Lobe Epilepsy Manifesting Generalized Convulsion with Retained Awareness. Internal Medicine, 2019, 58, 1151-1155.	0.7	2
208	Mathematical structures for epilepsy: High-frequency oscillation and interictal epileptic slow (red) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.9	2
209	The initial impact of the SARSâ€CoVâ€2 pandemic on epilepsy research. Epilepsia Open, 2021, 6, 255-265.	2.4	2
210	Appropriate conversion from valproate monotherapy to lamotrigine monotherapy in Japanese women with epilepsy. Epilepsy and Seizure, 2016, 8, 21-31.	0.2	2
211	Automatic Reference Selection for Quantitative EEG Component Interpretation: Cross Spectrum Analysis Based on Bipolar EEG. Lecture Notes in Computer Science, 2010, , 79-86.	1.3	2
212	Investigation of Glia Function in Intractable Epilepsy and Creation of Clinical Guideline. Journal of the Japan Epilepsy Society, 2017, 35, 3-13.	0.2	2
213	Revised Proposal of Clinical Practice Parameter in Recording and Analysis of Ictal DC Shifts and ictal HFOs in Intractable Partial Epilepsy for Epilepsy Surgery. Journal of the Japan Epilepsy Society, 2019, 37, 38-50.	0.2	2
214	Epilepsy research in 2021: multidisciplinary achievements. Lancet Neurology, The, 2022, 21, 8-10.	10.2	2
215	1532 Subdural recording of slow potentials with choice reaction paradigm in human frontal lobe. Neuroscience Research, 1997, 28, S191.	1.9	1
216	Automatic detection of eye state for background EEG interpretation. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1999, 32, 4307-4312.	0.4	1

#	Article	IF	Citations
217	Automatic detection of open and closed eye states in the electroencephalographic (EEG) record for background EEG interpretation by the trigger method. Frontiers of Medical and Biological Engineering: the International Journal of the Japan Society of Medical Electronics and Biological Engineering, 2000, 10, 1-15.	0.2	1
218	Special recording techniques for detection of the seizure onset zone: DC shifts and high-frequency discharges. Handbook of Clinical Neurophysiology, 2003, 3, 135-145.	0.0	1
219	Event-related evoked potentials in the definition of eloquent cortical areas. Handbook of Clinical Neurophysiology, 2003, , 333-345.	0.0	1
220	Development of real-time evaluation system for qualitative improvement of awake EEG records. , 2012, , .		1
221	Phantom of oscillation: Operational definition bound to improve. Clinical Neurophysiology, 2016, 127, 8-9.	1.5	1
222	Short â€œInfraslowâ€•Activity (SISA) With Burst Suppression in Acute Anoxic Encephalopathy: A Rare, Specific Ominous Sign With Acute Posthypoxic Myoclonus or Acute Symptomatic Seizures. Journal of Clinical Neurophysiology, 2018, 35, 496-503.	1.7	1
223	A score to map the lateral nonprimary motor area: Multispectrum intrinsic brain activity versus cortical stimulation. Epilepsia, 2019, 60, 2294-2305.	5.1	1
224	Marked response to perampanel: A decade-long course of giant somatosensory evoked potentials in Unverricht-Lundborg disease. Clinical Neurophysiology, 2021, 132, 2329-2331.	1.5	1
225	Application of the 2001 diagnostic scheme and the 2006 ILAE report of seizure and epilepsy: a feedback from the clinical practice of adult epilepsy. Journal of the Japan Epilepsy Society, 2008, 26, 57-62.	0.2	1
226	Heterogeneous epileptogenicity and cortical function within malformations of cortical development: A case report. Journal of the Neurological Sciences, 2006, 251, 129-133.	0.6	0
227	Automatic Interpretation of Dominant Rhythm in Awake Electroencephalogram Based on Coherence and Phase Analysis for Bipolar Derivation. , 2009, , .		0
228	Automatic detection of photic evoked spikes contaminated with slow burst by use of morphological filter and similarity coefficient. , 2012, , .		0
229	Temporal Spread Image to delineate MEG spike foci in epilepsy patients. , 2012, , .		0
230	Automatic identification of diffuse and localized activity for topographical distribution of EEG rhythm based on suitable reference selection with pre-judgments. , 2013, , .		0
231	Elderly woman with exaggerated startle reflex and unconscious drop attack. Neurology and Clinical Neuroscience, 2016, 4, 156-158.	0.4	0
232	Presurgical Evaluations for Epilepsy Surgery : State-of-the-Art 2019. Japanese Journal of Neurosurgery, 2019, 28, 316-325.	0.0	0
233	Automatic Judgment of Open/Closed Eye States for Accurate Interpretation of Awake Background EEG. , 2019, , .		0
234	Electrical cortical stimulations modulate spike and post-spike slow-related high-frequency activities in human epileptic foci. Clinical Neurophysiology, 2020, 131, 1741-1754.	1.5	0

#	Article	IF	Citations
235	Long Time Constant May Endorses Sharp Waves and Spikes Than Sharp Transients in Scalp Electroencephalography: A Comparison of Both After-Slow Among Different Time Constant and High-Frequency Activity Analysis. Frontiers in Human Neuroscience, 2021, 15, 748893.	2.0	0
236	Status epilepticus-induced changes in astrocytic Kir4.1 channel expression in pilocarpine model of temporal lobe epilepsy. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO3-1-89.	0.0	0
237	Inhibition of Kir4.1 channel elevates BDNF expression in primary cultures of astrocytes. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO1-1-104.	0.0	0
238	Time Series of Awake Background EEG Generated by a Model Reflecting the EEG Report. , 2007, , 489-498.		0
239	Language and Semantic Memory : Recent Findings from the Field of Cognitive Neurophysiology. Higher Brain Function Research, 2020, 40, 250-260.	0.0	0
240	OUP accepted manuscript. Cerebral Cortex, 2022, , .	2.9	0
241	Neural Sources of Vagus Nerve Stimulationâ€“Induced Slow Cortical Potentials. Neuromodulation, 2022, 25, 407-413.	0.8	0
242	Clinical and imaging features of nonmotor onset seizure in poststroke epilepsy. Epilepsia, 2022, , .	5.1	0