Nobuhiro Mikuni

List of Publications by Year
in descending order

131	2,169	279798	302126
papers	citations	23 h-index	39 g-index

132	132	132	2570
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Intraoperative dorsal language network mapping by using singleâ€pulse electrical stimulation. Human Brain Mapping, 2014, 35, 4345-4361.	3.6	120
2	Clinical impact of integrated functional neuronavigation and subcortical electrical stimulation to preserve motor function during resection of brain tumors. Journal of Neurosurgery, 2007, 106, 593-598.	1.6	114
3	Parietoâ€frontal network in humans studied by corticoâ€cortical evoked potential. Human Brain Mapping, 2012, 33, 2856-2872.	3.6	110
4	Function of the nucleus accumbens in motor control during recovery after spinal cord injury. Science, 2015, 350, 98-101.	12.6	81
5	Intracranially recorded ictal direct current shifts may precede high frequency oscillations in human epilepsy. Clinical Neurophysiology, 2015, 126, 47-59.	1.5	70
6	Improved cerebral function in mesial temporal lobe epilepsy after subtemporal amygdalohippocampectomy. Brain, 2009, 132, 185-194.	7.6	69
7	Evidence for a wide distribution of negative motor areas in the perirolandic cortex. Clinical Neurophysiology, 2006, 117, 33-40.	1.5	67
8	Multisensory convergence at human temporo-parietal junction â€“ epicortical recording of evoked responses. Clinical Neurophysiology, 2004, 115, 1145-1160.	1.5	66
9	In Vivo Epileptogenicity of Focal Cortical Dysplasia: A Direct Cortical Paired Stimulation Study. Epilepsia, 2005, 46, 1744-1749.	5.1	59
10	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
11	Clinical impact of intraoperative CCEP monitoring in evaluating the dorsal language white matter pathway. Human Brain Mapping, 2017, 38, 1977-1991.	3.6	58
12	Influence of Inflammatory Disease on the Pathophysiology of Moyamoya Disease and Quasi-moyamoya Disease. Neurologia Medico-Chirurgica, 2019, 59, 361-370.	2.2	53
13	Left anterior temporal cortex actively engages in speech perception: A direct cortical stimulation study. Neuropsychologia, 2011, 49, 1350-1354.	1.6	39
14	Discrepancy Between Voluntary Movement and Motor-Evoked Potentials in Evaluation of Motor Function During Clipping of Anterior Circulation Aneurysms. World Neurosurgery, 2014, 82, e739-e745.	1.3	38
15	Arterial Spin-Labeling Magnetic Resonance Imaging After Revascularization of Moyamoya Disease. Journal of Stroke and Cerebrovascular Diseases, 2013, 22, 811-816.	1.6	36
16	Asymmetric bilateral effect of the supplementary motor area proper in the human motor system. Clinical Neurophysiology, 2012, 123, 324-334.	1.5	34
17	A Combined Subtemporal and Transventricular/Transchoroidal Fissure Approach to Medial Temporal Lesions. Neurosurgery, 2004, 54, 1162-1169.	1.1	33
18	Subtemporal Hippocampectomy Preserving the Basal Temporal Language Area for Intractable Mesial Temporal Lobe Epilepsy: Preliminary Results. Epilepsia, 2006, 47, 1347-1353.	5.1	33

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19	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
20	Training for Skull Base Surgery with a Colored Temporal Bone Model Created byÂThree-Dimensional Printing Technology. World Neurosurgery, 2016, 91, 66-72.	1.3	32
21	The influence of depth of anesthesia on motor evoked potential response during awake craniotomy. Journal of Neurosurgery, 2017, 126, 260-265.	1.6	30
22	Frontal Fibers Connecting the Superior Frontal Gyrus to Broca Area: A Corticocortical Evoked Potential Study. World Neurosurgery, 2017, 107, 239-248.	1.3	28
23	Invasive Evaluations for Epilepsy Surgery: A Review of the Literature. Neurologia Medico-Chirurgica, 2016, 56, 221-227.	2.2	27
24	Advantages and Disadvantages of Combined Chemotherapy with Carmustine Wafer and Bevacizumab in Patients with Newly Diagnosed Glioblastoma: A Single-Institutional Experience. World Neurosurgery, 2018, 113, e508-e514.	1.3	26
25	Diagnosis of Moyamoya Disease on Magnetic Resonance Imaging: Are Flow Voids in the Basal Ganglia an Essential Criterion for Definitive Diagnosis?. Journal of Stroke and Cerebrovascular Diseases, 2013, 22, 862-868.	1.6	25
26	Reversibility of White Matter Hyperintensity by Revascularization Surgery in Moyamoya Disease. Journal of Stroke and Cerebrovascular Diseases, 2016, 25, 1495-1502.	1.6	25
27	The neural tides of sleep and consciousness revealed by single-pulse electrical brain stimulation. Sleep, 2019, 42, .	1.1	24
28	Surgical Treatment for Glioma: Extent of Resection Applying Functional Neurosurgery. Neurologia Medico-Chirurgica, 2010, 50, 720-726.	2.2	23
29	Predictive Factors for Epilepsy in Moyamoya Disease. Journal of Stroke and Cerebrovascular Diseases, 2015, 24, 17-23.	1.6	23
30	IgG4-related disease initially presented as an orbital mass lesion mimicking optic nerve sheath meningioma. Brain Tumor Pathology, 2015, 32, 286-290.	1.7	23
31	Characteristics of cerebral hemodynamics assessed by CT perfusion in moyamoya disease. Journal of Clinical Neuroscience, 2018, 47, 183-189.	1.5	23
32	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
33	The Influence of Anesthesia on Corticocortical Evoked Potential Monitoring Network Between Frontal and Temporoparietal Cortices. World Neurosurgery, 2019, 123, e685-e692.	1.3	21
34	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
35	Assessment of Moyamoya Disease Using Multidetector Row Computed Tomography. Journal of Stroke and Cerebrovascular Diseases, 2013, 22, 644-649.	1.6	19
36	Evaluation of Language Function under Awake Craniotomy. Neurologia Medico-Chirurgica, 2015, 55, 367-373.	2.2	19

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37	Predictive factors for acute thrombogenesis occurring immediately after bypass procedure for moyamoya disease. Neurosurgical Review, 2020, 43, 609-617.	2.4	19
38	Deep Learning-Based Approach for the Diagnosis of Moyamoya Disease. Journal of Stroke and Cerebrovascular Diseases, 2020, 29, 105322.	1.6	19
39	Prevalence of and risk factors for enlarged perivascular spaces in adult patients with moyamoya disease. BMC Neurology, 2017, 17, 149.	1.8	18
40	Network specific change in white matter integrity in mesial temporal lobe epilepsy. Epilepsy Research, 2016, 120, 65-72.	1.6	17
41	Distribution and Network of Basal Temporal Language Areas: A Study of the Combination of Electric Cortical Stimulation and Diffusion Tensor Imaging. World Neurosurgery, 2017, 106, 1-8.	1.3	17
42	Effects of Hemosiderosis on Epilepsy Following Subarachnoid Hemorrhage. Neurologia Medico-Chirurgica, 2019, 59, 27-32.	2.2	17
43	Rigid endoscopic resection of deep-seated or intraventricular brain tumors. Neurological Research, 2015, 37, 278-282.	1.3	16
44	Arterial transit artifacts observed by arterial spin labeling in Moyamoya disease. Journal of Stroke and Cerebrovascular Diseases, 2020, 29, 105058.	1.6	15
45	The Immediate Effects of Vagus Nerve Stimulation in Intractable Epilepsy: An Intra-operative Electrocorticographic Analysis. Neurologia Medico-Chirurgica, 2020, 60, 244-251.	2.2	15
46	Pathophysiological consideration of medullary streaks on FLAIR imaging in pediatric moyamoya disease. Journal of Neurosurgery: Pediatrics, 2017, 19, 560-566.	1.3	14
47	Assessment of the cortical artery using computed tomography angiography for bypass surgery in moyamoya disease. Neurosurgical Review, 2017, 40, 299-307.	2.4	14
48	Endovascular treatment of asymptomatic free-floating thrombus in the carotid artery bifurcation: a direct aspiration first-pass technique under double balloon protection. BMJ Case Reports, 2019, 12, e230295.	0.5	14
49	Vascular remodeling of the circle of Willis in moyamoya disease. Neurological Research, 2015, 37, 880-885.	1.3	13
50	Intraoperative Subcortical Fiber Mapping with Subcortico-Cortical Evoked Potentials. World Neurosurgery, 2016, 86, 478-483.	1.3	13
51	Inflammation promotes progression of thrombi in intracranial thrombotic aneurysms. Neurosurgical Review, 2020, 43, 1565-1573.	2.4	13
52	The Japan Neurosurgical Database: Overview and Results of the First-year Survey. Neurologia Medico-Chirurgica, 2020, 60, 165-190.	2.2	13
53	Assessment of Hemodynamic Compromise Using Computed Tomography Perfusion in Combination with 123I-IMP Single-Photon Emission Computed Tomography without Acetazolamide Challenge Test. Journal of Stroke and Cerebrovascular Diseases, 2017, 26, 627-635.	1.6	12
54	Complementary Relation Between Direct and Indirect Bypass in Progress of Collateral Circulation in Moyamoya Disease. World Neurosurgery, 2017, 104, 197-204.	1.3	11

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55	Effectiveness of the 3D Monitor System for Medical Education During Neurosurgical Operation. World Neurosurgery, 2018, 109, e105-e109.	1.3	11
56	Location and Threshold of Electrical Cortical Stimulation for Functional Brain Mapping. World Neurosurgery, 2018, 119, e125-e130.	1.3	11
57	Effectiveness of intraoperative visual evoked potential in avoiding visual deterioration during endonasal transsphenoidal surgery for pituitary tumors. Neurosurgical Review, 2020, 43, 177-183.	2.4	11
58	Effect of adjuvant radiotherapy after subtotal resection for WHO grade I meningioma: a propensity score matching analysis of the Brain Tumor Registry of Japan. Journal of Neuro-Oncology, 2021, 153, 351-360.	2.9	11
59	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
60	Surgical Anatomy of Rats for the Training of Microvascular Anastomosis. World Neurosurgery, 2018, 120, e1310-e1318.	1.3	10
61	Nation-wide Brain Tumor Registry-based Study of Intracranial Meningioma in Japan: Analysis of Surgery-related Risks. Neurologia Medico-Chirurgica, 2021, 61, 98-106.	2.2	10
62	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
63	Neuromodulatory Role of Revascularization Surgery in Moyamoya Disease. World Neurosurgery, 2016, 91, 473-482.	1.3	9
64	Interhemispheric Asymmetry of Network Connecting Between Frontal and Temporoparietal Cortices: A Corticocortical-Evoked Potential Study. World Neurosurgery, 2018, 120, e628-e636.	1.3	9
65	Interdisciplinary Prevention and Management of Wound-Related Complications in Extracranial-to-Intracranial Bypass Surgery. World Neurosurgery, 2018, 115, 247-253.	1.3	9
66	Forgetting to take antiseizure medications is associated with focal to bilateral tonic-clonic seizures, as revealed by a cross-sectional study. PLoS ONE, 2020, 15, e0240082.	2.5	9
67	Accumulation of Macromolecules in Idiopathic Normal Pressure Hydrocephalus. Neurologia Medico-Chirurgica, 2021, 61, 211-218.	2.2	9
68	The Japan Neurosurgical Database: Statistics Update 2018 and 2019. Neurologia Medico-Chirurgica, 2021, 61, 675-710.	2.2	8
69	Cortical and subcortical vascular hypointensity on T2* weighted imaging in moyamoya disease. Neurological Research, 2016, 38, 110-116.	1.3	7
70	Co-expression of tissue factor and IL-6 in immature endothelial cells of cerebral cavernous malformations. Journal of Clinical Neuroscience, 2017, 37, 83-90.	1.5	7
71	Chronic Spinal Subdural Hematoma Associated with Antiplatelet Therapy. World Neurosurgery, 2017, 105, 1032.e1-1032.e5.	1.3	7
72	Influence of hemodynamics on enlarged perivascular spaces in atherosclerotic large vessel disease. Neurological Research, 2018, 40, 1021-1027.	1.3	7

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73	Neuroimaging and neurophysiological evaluation of severity of Parkinsonâ€™s disease. Journal of Clinical Neuroscience, 2020, 74, 135-140.	1.5	7
74	ANCA-negative granulomatosis with polyangiitis presenting with orbital apex syndrome and recurrent pachymeningitis: A case report. Journal of the Neurological Sciences, 2016, 368, 175-177.	0.6	6
75	Development of moyamoya disease after non-herpetic acute limbic encephalitis: A case report. Journal of Clinical Neuroscience, 2018, 53, 250-253.	1.5	6
76	Subarachnoid Hemorrhage after Resuscitation from Out-of-hospital Cardiac Arrest. Journal of Stroke and Cerebrovascular Diseases, 2014, 23, 446-452.	1.6	5
77	Intraoperative Mapping and Monitoring of the Pyramidal Tract Using Endoscopic Depth Electrodes. World Neurosurgery, 2017, 105, 14-19.	1.3	5
78	Magnetoencephalography with temporal spread imaging to visualize propagation of epileptic activity. Clinical Neurophysiology, 2017, 128, 734-743.	1.5	5
79	The Involvement of Sensory-motor Networks in Reflex Seizure. NMC Case Report Journal, 2017, 4, 127-130.	0.5	5
80	The auditory cortex network in the posterior superior temporal area. Clinical Neurophysiology, 2018, 129, 2132-2136.	1.5	5
81	Natural Y-shaped radial artery graft bypass for a complex middle cerebral artery aneurysm: A case report. Journal of Stroke and Cerebrovascular Diseases, 2020, 29, 104853.	1.6	5
82	Molecular Aberrations Associated with Seizure Control in Diffuse Astrocytic and Oligodendroglial Tumors. Neurologia Medico-Chirurgica, 2020, 60, 147-155.	2.2	5
83	Japanese National Questionnaire Survey in 2018 on Complications Related to Cranial Implants in Neurosurgery. Neurologia Medico-Chirurgica, 2020, 60, 337-350.	2.2	5
84	Preoperative Prediction of Communication Difficulties during Awake Craniotomy in Glioma Patients: A Retrospective Evaluation of 136 Cases at a Single Institution. Neurologia Medico-Chirurgica, 2020, 61, 21-32.	2.2	5
85	Quantitative Assessment of Flow Reduction After Feeder Embolization in Meningioma by Using Pseudocontinuous Arterial Spin Labeling. World Neurosurgery, 2016, 93, 237-245.	1.3	4
86	Giant petrous internal carotid aneurysm causing epistaxis: A case report. Journal of Clinical Neuroscience, 2018, 58, 221-223.	1.5	4
87	Threshold and distribution of afterdischarges with electrical cortical stimulation. Journal of Clinical Neuroscience, 2018, 55, 71-75.	1.5	4
88	Psychogenic Pseudo-responses in an Electrical Cortical Stimulation. Neurologia Medico-Chirurgica, 2019, 59, 287-290.	2.2	4
89	Intraoperative Monitoring for Vagus Nerve Stimulation. World Neurosurgery, 2019, 131, 191-193.	1.3	4
90	Vascular assessment after clipping surgery using four-dimensional CT angiography. Neurosurgical Review, 2019, 42, 107-114.	2.4	4

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91	Preoperatively estimated graft flow rate contributes to the improvement of hemodynamics in revascularization for Moyamoya disease. Journal of Stroke and Cerebrovascular Diseases, 2021, 30, 105450.	1.6	4
92	Eye Movement Network Originating from Frontal Eye Field: Electric Cortical Stimulation and Diffusion Tensor Imaging. Neurologia Medico-Chirurgica, 2021, 61, 219-227.	2.2	4
93	Cortical regions and networks of hyperkinetic seizures: Electrocorticography and diffusion tensor imaging study. Epilepsy and Behavior, 2021, 125, 108405.	1.7	4
94	Possible induction of multiple seizure foci due to parietal tumour and anti-NMDAR antibody. Epileptic Disorders, 2015, 17, 89-94.	1.3	3
95	Meandering flow void around the splenium in moyamoya disease. Neurological Research, 2017, 39, 702-708.	1.3	3
96	Geometrical Complexity of Cortical Microvascularization in Moyamoya Disease. World Neurosurgery, 2017, 106, 51-59.	1.3	3
97	Electrophysiological influence of temporal occlusion of the parent artery during aneurysm surgery. Journal of Clinical Neuroscience, 2017, 45, 199-204.	1.5	3
98	Traumatic Basilar Artery Entrapment without Longitudinal Clivus Fracture: A Case Report and Review of the Literature. Neurologia Medico-Chirurgica, 2018, 58, 362-367.	2.2	3
99	Moyamoya disease with epileptic nystagmus: A case report. Journal of Clinical Neuroscience, 2019, 70, 251-254.	1.5	3
100	Flattening the curvature of synthetic materials to relieve scalp skin tension in cranioplasty. Journal of Clinical Neuroscience, 2019, 61, 196-200.	1.5	3
101	Aging-associated inflammation and fibrosis in arachnoid membrane. BMC Neurology, 2021, 21, 169.	1.8	3
102	Endovascular Therapy of Radicular Arteriovenous Fistula at the Craniocervical Junction Fed by the Posterior Inferior Cerebellar Artery. Journal of Neuroendovascular Therapy, 2017, 11, 88-93.	0.1	3
103	Current Status and Future Objectives of Surgical Therapies for Epilepsy in Japan. Neurologia Medico-Chirurgica, 2021, 61, 619-628.	2.2	3
104	Comparison of Thresholds between Bipolar and Monopolar Electrical Cortical Stimulation. Neurologia Medico-Chirurgica, 2022, 62, 294-299.	2.2	3
105	Anatomical and functional distribution of functional MRI language mapping. Journal of Clinical Neuroscience, 2020, 77, 116-122.	1.5	2
106	Pitfalls of Commonly Used Ischemic and Dementia Models Due to Early Seizure by Carotid Ligation. Neurologia Medico-Chirurgica, 2021, 61, 312-320.	2.2	2
107	Stroke Mimics and Chameleons from the Radiological Viewpoint of Glioma Diagnosis. Neurologia Medico-Chirurgica, 2021, 61, 134-143.	2.2	2
108	Interleukin-13 receptor alpha 2 as a marker of poorer prognosis in high-grade astrocytomas. Journal of Neurosurgical Sciences, 2018, 62, 239-244.	0.6	2

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109	Motor Mapping with Functional Magnetic Resonance Imaging: Comparison with Electrical Cortical Stimulation. Neurologia Medico-Chirurgica, 2022, 62, 215-222.	2.2	2
110	Evaluation of Posterior Hippocampal Epileptogenicity During Epilepsy Surgery For Temporal Lobe Cavernoma by the Occipital Approach. World Neurosurgery, 2015, 84, 1494.e1-1494.e6.	1.3	1
111	Gelastic attack in a child with moyamoya disease. Neurology, 2018, 91, 141-142.	1.1	1
112	Pseudoaneurysm presenting around polytetrafluoroethylene fiber following microvascular decompression: A case report and literature review. Journal of Clinical Neuroscience, 2019, 63, 231-234.	1.5	1
113	COVID-19 infection in Hokkaido, Japan might depend on the viscosity of atmospheric air. Virus Research, 2021, 293, 198259.	2.2	1
114	Virtual test occlusion for assessing ischemic tolerance using computational fluid dynamics. , 2021, 12, 378.		1
115	Additional Revascularization Using Multiple Burr Holes for PCA Involvement in Moyamoya Disease. Journal of Stroke and Cerebrovascular Diseases, 2021, 30, 105852.	1.6	1
116	Cerebral aneurysms associated with segmental dilative arteriopathy of the circle of Willis. , 2015, 6, 291.		1
117	Progressive edematous lesions in subacute phase after neuroendovascular therapy. , 2018, 9, 173.		1
118	Macrohistory of Moyamoya Disease Analyzed Using Artificial Intelligence. Cerebrovascular Diseases, 2022, , 1-14.	1.7	1
119	Physiological rapid growth of spinal lipoma in the early postnatal period. Journal of Neurosurgery: Pediatrics, 2022, 29, 634-642.	1.3	1
120	Effect of Early Surgical Intervention for Brain Tumors Associated with Epilepsy on the Improvement in Memory Performance. Neurologia Medico-Chirurgica, 2022, 62, 286-293.	2.2	1
121	Burr Hole Surgery for Chronic Subdural Hematoma with Extensive Scalp Burn. World Neurosurgery, 2018, 113, 86-90.	1.3	0
122	Spina Bifida Occulta. Japanese Journal of Neurosurgery, 2018, 27, 662-669.	0.0	0
123	Misleading non-epileptic epileptiform activities on intracranial recordings. Journal of Clinical Neuroscience, 2020, 71, 158-163.	1.5	0
124	Recurrence Interval Within 1 Year Leads to Death in Patients with Grade 2 Meningioma. World Neurosurgery, 2020, 142, e58-e65.	1.3	0
125	Preserved arachnoid membrane acts as a predictor of postoperative visual improvement in clinoidal meningioma. Clinical Neurology and Neurosurgery, 2021, 208, 106874.	1.4	0
126	Evaluation of Brain Function in Neurosurgery. Japanese Journal of Neurosurgery, 2014, 23, 306-310.	0.0	0

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127	Transfemoral Carotid Artery Stenting Using Proximal Balloon Protection for Patients with Severe Elongation of the Aortic Arch: Inner-catheter Exchange with the Balloon Guide Catheter Anchored (â€œBGA Exchangeâ€). Journal of Neuroendovascular Therapy, 2016, 10, 225-230.	0.1	0
128	Japanese Congress of Neurological Surgeons Presidential Address. Neurosurgery, 2016, 63, 83-84.	1.1	0
129	Endovascular Therapy for a Post-irradiated Cervical Pseudoaneurysm at the Carotid Stump: A Case Report. NMC Case Report Journal, 2017, 4, 59-62.	0.5	0
130	Retained Medullary Cord : A Report of Two Cases. Spinal Surgery, 2020, 34, 79-83.	0.0	0
131	A case of paroxysmal kinesigenic dyskinesia suspected to be reflex epilepsy. Nagoya Journal of Medical Science, 2021, 83, 361-365.	0.3	0