

Mikael von und zu Fraunberg

List of Publications by Year in descending order

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Version: 2024-02-01

69
papers

2,730
citations

186265

28
h-index

189892

50
g-index

71
all docs

71
docs citations

71
times ranked

3659
citing authors

#	ARTICLE	IF	CITATIONS
1	Genome-wide association study of intracranial aneurysm identifies three new risk loci. <i>Nature Genetics</i> , 2010, 42, 420-425.	21.4	262
2	Susceptibility loci for intracranial aneurysm in European and Japanese populations. <i>Nature Genetics</i> , 2008, 40, 1472-1477.	21.4	247
3	ELAPSS score for prediction of risk of growth of unruptured intracranial aneurysms. <i>Neurology</i> , 2017, 88, 1600-1606.	1.1	164
4	Genome-wide association study of intracranial aneurysms identifies 17 risk loci and genetic overlap with clinical risk factors. <i>Nature Genetics</i> , 2020, 52, 1303-1313.	21.4	163
5	Irregular Shape of Intracranial Aneurysm Indicates Rupture Risk Irrespective of Size in a Population-Based Cohort. <i>Stroke</i> , 2016, 47, 1219-1226.	2.0	160
6	Upregulated Signaling Pathways in Ruptured Human Saccular Intracranial Aneurysm Wall: An Emerging Regulative Role of Toll-Like Receptor Signaling and Nuclear Factor- κ B, Hypoxia-Inducible Factor-1A, and ETS Transcription Factors. <i>Neurosurgery</i> , 2011, 68, 1667-1676.	1.1	111
7	Saccular Intracranial Aneurysm Disease. <i>Neurosurgery</i> , 2010, 66, 631-638.	1.1	94
8	Molecular and Biochemical Studies of Acute Intermittent Porphyrin in 196 Patients and Their Families. <i>Clinical Chemistry</i> , 2002, 48, 1891-1900.	3.2	83
9	Epilepsy after aneurysmal subarachnoid hemorrhage. <i>Neurology</i> , 2015, 84, 2229-2237.	1.1	70
10	Hypertension predisposes to the formation of saccular intracranial aneurysms in 467 unruptured and 1053 ruptured patients in Eastern Finland. <i>Annals of Medicine</i> , 2014, 46, 169-176.	3.8	60
11	Risk Factors for Three Phases of 12-Month Mortality in 1657 Patients from a Defined Population After Acute Aneurysmal Subarachnoid Hemorrhage. <i>World Neurosurgery</i> , 2012, 78, 631-639.	1.3	59
12	Cortical Brain Biopsy in Long-Term Prognostication of 468 Patients with Possible Normal Pressure Hydrocephalus. <i>Neurodegenerative Diseases</i> , 2012, 10, 166-169.	1.4	56
13	High Risk Population Isolate Reveals Low Frequency Variants Predisposing to Intracranial Aneurysms. <i>PLoS Genetics</i> , 2014, 10, e1004134.	3.5	55
14	Genome-Wide Association Study of Intracranial Aneurysm Identifies a New Association on Chromosome 7. <i>Stroke</i> , 2014, 45, 3194-3199.	2.0	52
15	Clinical and Biochemical Characteristics and Genotype-Phenotype Correlation in 143 Finnish and Russian Patients With Acute Intermittent Porphyrin. <i>Medicine (United States)</i> , 2005, 84, 35-47.	1.0	51
16	Clinical and biochemical characteristics and genotype-phenotype correlation in Finnish variegate porphyria patients. <i>European Journal of Human Genetics</i> , 2002, 10, 649-657.	2.8	49
17	Long-term Excess Mortality of 244 Familial and 1502 Sporadic One-Year Survivors of Aneurysmal Subarachnoid Hemorrhage Compared With a Matched Eastern Finnish Catchment Population. <i>Neurosurgery</i> , 2011, 68, 20-27.	1.1	46
18	Type 2 Diabetes and Risk of Rupture of Saccular Intracranial Aneurysm in Eastern Finland. <i>Diabetes Care</i> , 2013, 36, 2020-2026.	8.6	45

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19	Shared Genetic Risk Factors of Intracranial, Abdominal, and Thoracic Aneurysms. <i>Journal of the American Heart Association</i> , 2016, 5, .	3.7	45
20	Gaze behaviour of expert and novice microneurosurgeons differs during observations of tumor removal recordings. , 2012, , .		44
21	Irregular Shape Identifies Ruptured Intracranial Aneurysm in Subarachnoid Hemorrhage Patients With Multiple Aneurysms. <i>Stroke</i> , 2017, 48, 1986-1989.	2.0	44
22	Long-Term Outcome of Spinal Cord Stimulation in Failed Back Surgery Syndrome: 20 Years of Experience With 224 Consecutive Patients. <i>Neurosurgery</i> , 2019, 84, 1011-1018.	1.1	44
23	Microsurgery for Previously Coiled Aneurysms: Experience With 81 Patients. <i>Neurosurgery</i> , 2011, 68, 140-154.	1.1	41
24	De Novo Aneurysm Formation in Carriers of Saccular Intracranial Aneurysm Disease in Eastern Finland. <i>Stroke</i> , 2016, 47, 1213-1218.	2.0	41
25	Amyloid- β^2 and Tau Dynamics in Human Brain Interstitial Fluid in Patients with Suspected Normal Pressure Hydrocephalus. <i>Journal of Alzheimer's Disease</i> , 2015, 46, 261-269.	2.6	39
26	Polycystic kidney disease among 4,436 intracranial aneurysm patients from a defined population. <i>Neurology</i> , 2017, 89, 1852-1859.	1.1	39
27	The impact of endovascular management on the outcome of aneurysmal subarachnoid hemorrhage in the elderly in Eastern Finland. <i>Acta Neurochirurgica</i> , 2010, 152, 1493-1502.	1.7	38
28	Characteristics of Posterior Cerebral Artery Aneurysms. <i>Neurosurgery</i> , 2014, 75, 134-144.	1.1	36
29	Subtemporal Approach to Posterior Cerebral Artery Aneurysms. <i>World Neurosurgery</i> , 2015, 83, 842-851.	1.3	33
30	MicroRNA-Attenuated Clone of Virulent Semliki Forest Virus Overcomes Antiviral Type I Interferon in Resistant Mouse CT-2A Glioma. <i>Journal of Virology</i> , 2015, 89, 10637-10647.	3.4	30
31	Early Moderate Hyperoxemia Does Not Predict Outcome After Aneurysmal Subarachnoid Hemorrhage. <i>Neurosurgery</i> , 2016, 78, 540-545.	1.1	29
32	Genetic risk load according to the site of intracranial aneurysms. <i>Neurology</i> , 2014, 83, 34-39.	1.1	28
33	Posterior Cerebral Artery Aneurysms: Treatment and Outcome Analysis in 121 Patients. <i>World Neurosurgery</i> , 2016, 92, 521-532.	1.3	26
34	Antidepressant Use After Aneurysmal Subarachnoid Hemorrhage. <i>Stroke</i> , 2016, 47, 2242-2248.	2.0	25
35	Embedding an Eye Tracker Into a Surgical Microscope: Requirements, Design, and Implementation. <i>IEEE Sensors Journal</i> , 2016, 16, 2070-2078.	4.7	24
36	Differences in Aneurysm and Patient Characteristics Between Cohorts of Finnish and Dutch Patients With Subarachnoid Hemorrhage. <i>Stroke</i> , 2008, 39, 3166-3171.	2.0	23

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37	Intracranial Aneurysm Risk Locus 5q23.2 Is Associated with Elevated Systolic Blood Pressure. <i>PLoS Genetics</i> , 2012, 8, e1002563.	3.5	23
38	Association of Intracranial Aneurysms With Aortic Aneurysms in 125 Patients With Fusiform and 4253 Patients With Saccular Intracranial Aneurysms and Their Family Members and Population Controls. <i>Journal of the American Heart Association</i> , 2019, 8, e013277.	3.7	23
39	Epilepsy-associated long-term mortality after aneurysmal subarachnoid hemorrhage. <i>Neurology</i> , 2017, 89, 263-268.	1.1	19
40	Mitochondrial Targeting of Normal and Mutant Protoporphyrinogen Oxidase. <i>Journal of Biological Chemistry</i> , 2003, 278, 13376-13381.	3.4	17
41	Aneurysm Size is the Strongest Risk Factor for Intracranial Aneurysm Growth in the Eastern Finnish Population. <i>Neurosurgery</i> , 2019, 84, 1098-1103.	1.1	17
42	Expression and Characterization of Six Mutations in the Protoporphyrinogen oxidase gene among Finnish Variegate Porphyria Patients. <i>Molecular Medicine</i> , 2001, 7, 320-328.	4.4	14
43	Antipsychotic Use Among 1144 Patients After Aneurysmal Subarachnoid Hemorrhage. <i>Stroke</i> , 2019, 50, 1711-1718.	2.0	14
44	Secondary hypertension in patients with saccular intracranial aneurysm disease: A population based study. <i>PLoS ONE</i> , 2018, 13, e0206432.	2.5	11
45	Higher Preimplantation Opioid Doses Associated With Long-Term Spinal Cord Stimulation Failure in 211 Patients With Failed Back Surgery Syndrome. <i>Neuromodulation</i> , 2021, 24, 102-111.	0.8	11
46	Effect of Spinal Cord Stimulation on Early Disability Pension in 198 Failed Back Surgery Syndrome Patients: Case-Control Study. <i>Neurosurgery</i> , 2019, 84, 1225-1232.	1.1	10
47	Neurofibromatosis type 1 is not associated with subarachnoid haemorrhage. <i>PLoS ONE</i> , 2017, 12, e0178711.	2.5	10
48	Pupil size as an indicator of visual-motor workload and expertise in microsurgical training tasks. , 2018, , .		9
49	Shunt performance in 349 patients with hydrocephalus after aneurysmal subarachnoid hemorrhage. <i>Acta Neurochirurgica</i> , 2021, 163, 2703-2714.	1.7	9
50	Impact of Young Age on the Presentation of Saccular Intracranial Aneurysms: Population-Based Analysis of 4082 Patients. <i>Neurosurgery</i> , 2018, 82, 815-823.	1.1	8
51	Spectral imaging of neurosurgical target tissues through operation microscope. <i>Optical Review</i> , 2011, 18, 458-461.	2.0	7
52	Increased Incidence of Aneurysmal Subarachnoid Hemorrhage on Sundays and Mondays in 1,862 Patients from Eastern Finland. <i>Neuroepidemiology</i> , 2011, 37, 203-208.	2.3	7
53	Saccular Intracranial Aneurysms in Children When Both Parents Are Sporadic or Familial Carriers of Saccular Intracranial Aneurysms. <i>Neuroepidemiology</i> , 2019, 52, 47-54.	2.3	7
54	Long-Term Outcome of Spinal Cord Stimulation in Complex Regional Pain Syndrome. <i>Neurosurgery</i> , 2021, 89, 597-609.	1.1	7

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55	Increased Relative Risk of Lung Cancer in 2,904 Patients with Saccular Intracranial Aneurysm Disease in Eastern Finland. <i>Neuroepidemiology</i> , 2012, 38, 93-99.	2.3	5
56	Immunohistochemical Characterization and Sensitivity to Human Adenovirus Serotypes 3, 5, and 11p of New Cell Lines Derived from Human Diffuse Grade II to IV Gliomas. <i>Translational Oncology</i> , 2017, 10, 772-779.	3.7	5
57	Pre-eclampsia, gestational diabetes and hypertensive disorders in patients with intracranial aneurysms: A case-control study. <i>European Journal of Neurology</i> , 2022, 29, 199-207.	3.3	5
58	Benzodiazepine Use Is Associated With Poorer Spinal Cord Stimulation Outcome in 373 Neuropathic Pain Patients. <i>Neuromodulation</i> , 2020, 23, 646-652.	0.8	4
59	Lack of impact of polycystic kidney disease on the outcome of aneurysmal subarachnoid hemorrhage: a matched case-control study. <i>Journal of Neurosurgery</i> , 2021, 134, 1871-1878.	1.6	4
60	Efficacy and tolerability in patients with chronic facial pain of two consecutive treatment periods of rTMS applied over the facial motor cortex, using protocols differing in stimulation frequency, duration, and train pattern. <i>Neurophysiologie Clinique</i> , 2022, 52, 95-108.	2.2	4
61	Analgesic Use after Aneurysmal Subarachnoid Hemorrhage: A Population-Based Case-control Study of 1187 Patients. <i>World Neurosurgery</i> , 2019, 126, e1276-e1286.	1.3	3
62	Spectrally Tunable Neural Network-Assisted Segmentation of Microneurosurgical Anatomy. <i>Frontiers in Neuroscience</i> , 2020, 14, 640.	2.8	3
63	Clinical condition of 120 patients alive at 3 years after poor-grade aneurysmal subarachnoid hemorrhage. <i>Acta Neurochirurgica</i> , 2021, 163, 1153-1166.	1.7	3
64	Use of antihypertensive medication and formation of de novo intracranial aneurysms. <i>European Journal of Neurology</i> , 2022, 29, 2708-2715.	3.3	3
65	The Genetics of Intracranial Aneurysms. <i>Current Genetic Medicine Reports</i> , 2017, 5, 8-14.	1.9	2
66	Gabapentinoids Associated With Lower Explantation Rate in 203 Patients With Spinal Cord Stimulation for Failed Back Surgery Syndrome. <i>Neurosurgery</i> , 2021, 89, 626-634.	1.1	2
67	High Level of Childhood Trauma Predicts a Poor Response to Spinal Cord Stimulation in Chronic Neuropathic Pain. <i>Pain Physician</i> , 2019, 22, E37-E44.	0.4	2
68	TAFEL: Independent Enrichment Analysis of gene sets. <i>BMC Bioinformatics</i> , 2011, 12, 171.	2.6	1
69	Risk factor management matters more than pharmaceutical cyclooxygenase inhibition in the prevention of de novo intracranial aneurysms. <i>European Journal of Neurology</i> , 0, , .	3.3	0