

# Martin SmrÄka

## List of Publications by Year in descending order

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Version: 2024-02-01

63  
papers

3,305  
citations

304743

22  
h-index

223800

46  
g-index

64  
all docs

64  
docs citations

64  
times ranked

4589  
citing authors

#	ARTICLE	IF	CITATIONS
1	Early surgery versus initial conservative treatment in patients with spontaneous supratentorial lobar intracerebral haematomas (STICH II): a randomised trial. <i>Lancet, The</i> , 2013, 382, 397-408.	13.7	1,050
2	NovoTTF-100A versus physician's choice chemotherapy in recurrent glioblastoma: A randomised phase III trial of a novel treatment modality. <i>European Journal of Cancer</i> , 2012, 48, 2192-2202.	2.8	661
3	Lateral supraorbital approach as an alternative to the classical pterional approach. , 2005, 94, 17-21.		177
4	MiR-195, miR-196b, miR-181c, miR-21 expression levels and CpG methylguanine-DNA methyltransferase methylation status are associated with clinical outcome in glioblastoma patients. <i>Cancer Science</i> , 2011, 102, 2186-2190.	3.9	145
5	MicroRNA-181 family predicts response to concomitant chemoradiotherapy with temozolomide in glioblastoma patients. <i>Neoplasma</i> , 2010, 57, 264-269.	1.6	126
6	Propionibacterium acnes biofilm is present in intervertebral discs of patients undergoing microdiscectomy. <i>PLoS ONE</i> , 2017, 12, e0174518.	2.5	81
7	Advanced MRI increases the diagnostic accuracy of recurrent glioblastoma: Single institution thresholds and validation of MR spectroscopy and diffusion weighted MR imaging. <i>NeuroImage: Clinical</i> , 2016, 11, 316-321.	2.7	76
8	Mild hypothermia therapy for patients with severe brain injury. <i>Clinical Neurology and Neurosurgery</i> , 2002, 104, 318-321.	1.4	73
9	International Variations in Surgical Practice for Spontaneous Intracerebral Hemorrhage. <i>Stroke</i> , 2003, 34, 2593-2597.	2.0	72
10	Expression of immune-modulatory molecules HLA-G and HLA-E by tumor cells in glioblastomas: An unexpected prognostic significance?. <i>Neuropathology</i> , 2011, 31, 129-134.	1.2	72
11	Prevalence of Propionibacterium acnes in Intervertebral Discs of Patients Undergoing Lumbar Microdiscectomy: A Prospective Cross-Sectional Study. <i>PLoS ONE</i> , 2016, 11, e0161676.	2.5	63
12	Personalized Treatment of H3K27M-Mutant Pediatric Diffuse Gliomas Provides Improved Therapeutic Opportunities. <i>Frontiers in Oncology</i> , 2019, 9, 1436.	2.8	50
13	MiR-338-5p sensitizes glioblastoma cells to radiation through regulation of genes involved in DNA damage response. <i>Tumor Biology</i> , 2016, 37, 7719-7727.	1.8	49
14	Production of immune-modulatory nonclassical molecules HLA-G and HLA-E by tumor infiltrating ameboid microglia/macrophages in glioblastomas: A role in innate immunity?. <i>Journal of Neuroimmunology</i> , 2010, 220, 131-135.	2.3	45
15	Cerebrospinal Fluid MicroRNA Signatures as Diagnostic Biomarkers in Brain Tumors. <i>Cancers</i> , 2019, 11, 1546.	3.7	45
16	Real-World Evidence in Glioblastoma: Stupp's Regimen After a Decade. <i>Frontiers in Oncology</i> , 2020, 10, 840.	2.8	41
17	The influence of mild hypothermia on ICP, CPP and outcome in patients with primary and secondary brain injury. <i>Acta Neurochirurgica Supplementum</i> , 2005, 95, 273-275.	1.0	41
18	Single-Dose Intraventricular Nimodipine Microparticles Versus Oral Nimodipine for Aneurysmal Subarachnoid Hemorrhage. <i>Stroke</i> , 2020, 51, 1142-1149.	2.0	38

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19	Identification of microRNAs differentially expressed in glioblastoma stem-like cells and their association with patient survival. <i>Scientific Reports</i> , 2018, 8, 2836.	3.3	37
20	Induced Hypertension Improves Regional Blood Flow and Protects against Infarction during Focal Ischemia: Time Course of Changes in Blood Flow Measured by Laser Doppler Imaging. <i>Neurosurgery</i> , 1998, 42, 617-625.	1.1	35
21	Risk Score based on microRNA expression signature is independent prognostic classifier of glioblastoma patients. <i>Carcinogenesis</i> , 2014, 35, 2756-2762.	2.8	30
22	Long Non-Coding RNAs in Gliomas: From Molecular Pathology to Diagnostic Biomarkers and Therapeutic Targets. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2754.	4.1	30
23	Neurosurgical procedures performed during residency in Europe – preliminary numbers and time trends. <i>Acta Neurochirurgica</i> , 2019, 161, 843-853.	1.7	26
24	Filling the gap between the OR and virtual simulation: a European study on a basic neurosurgical procedure. <i>Acta Neurochirurgica</i> , 2018, 160, 2087-2097.	1.7	21
25	Decompressive surgery for malignant supratentorial infarction remains underutilized after guideline publication. <i>Journal of Neurology</i> , 2011, 258, 1689-1694.	3.6	20
26	Trends and outcomes for non-elective neurosurgical procedures in Central Europe during the COVID-19 pandemic. <i>Scientific Reports</i> , 2021, 11, 6171.	3.3	20
27	MicroRNA isolation and quantification in cerebrospinal fluid: A comparative methodical study. <i>PLoS ONE</i> , 2018, 13, e0208580.	2.5	18
28	Lumbar Disc Surgery in Regional Anaesthesia - 40 years of Experience. <i>Acta Neurochirurgica</i> , 2001, 143, 377-381.	1.7	16
29	Early Dynamics of Interleukin-6 in Cerebrospinal Fluid after Aneurysmal Subarachnoid Hemorrhage. <i>Journal of Neurological Surgery, Part A: Central European Neurosurgery</i> , 2018, 79, 145-151.	0.8	15
30	Middle cerebral artery aneurysms with intracerebral hematoma – the impact of side and volume on final outcome. <i>Acta Neurochirurgica</i> , 2017, 159, 543-547.	1.7	14
31	Pro-Inflammatory and Neurotrophic Factor Responses of Cells Derived from Degenerative Human Intervertebral Discs to the Opportunistic Pathogen <i>Cutibacterium acnes</i> . <i>International Journal of Molecular Sciences</i> , 2021, 22, 2347.	4.1	14
32	On approximation of affine Baire-one functions. <i>Israel Journal of Mathematics</i> , 2003, 134, 255-287.	0.8	13
33	Intervertebral disc penetration by antibiotics used prophylactically in spinal surgery: implications for the current standards and treatment of disc infections. <i>European Spine Journal</i> , 2019, 28, 783-791.	2.2	13
34	Global MicroRNA Expression Profiling Identifies Unique MicroRNA Pattern of Radioresistant Glioblastoma Cells. <i>Anticancer Research</i> , 2017, 37, 1099-1104.	1.1	13
35	Therapeutic potential of vitamin E and its derivatives in traumatic brain injury-associated dementia. <i>Neurological Sciences</i> , 2018, 39, 989-998.	1.9	11
36	HLA-E and HLA-F Are Overexpressed in Glioblastoma and HLA-E Increased After Exposure to Ionizing Radiation. <i>Cancer Genomics and Proteomics</i> , 2022, 19, 151-162.	2.0	11

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37	Testing of library preparation methods for transcriptome sequencing of real life glioblastoma and brain tissue specimens: A comparative study with special focus on long non-coding RNAs. PLoS ONE, 2019, 14, e0211978.	2.5	7
38	What is the risk of venous cerebellar infarction in the supracerebellar infratentorial approach?. Neurosurgical Review, 2021, 44, 897-900.	2.4	7
39	Small RNA Sequencing Identifies PIWI-Interacting RNAs Deregulated in Glioblastoma" piR-9491 and piR-12488 Reduce Tumor Cell Colonies In Vitro. Frontiers in Oncology, 2021, 11, 707017.	2.8	6
40	Choquet like sets in function spaces. Bulletin Des Sciences Mathematiques, 2003, 127, 397-437.	1.0	5
41	The Significance of MicroRNAs in the Molecular Pathology of Brain Metastases. Cancers, 2022, 14, 3386.	3.7	5
42	Pre-Radiotherapy Progression after Surgery of Newly Diagnosed Glioblastoma: Corroboration of New Prognostic Variable. Diagnostics, 2020, 10, 676.	2.6	4
43	MicroRNAs in Cerebrospinal Fluid as Biomarkers in Brain Tumor Patients. Klinicka Onkologie, 2019, 32, 181-186.	0.3	3
44	Missile Head Injury with a Replica of a Historical Weapon " Pathophysiology and a Case Study. Ceska A Slovenska Neurologie A Neurochirurgie, 2014, 77/110, 770-774.	0.1	2
45	Current Treatment of Anterior Communicating Artery Aneurysms: Single Center Study. Brain Sciences, 2020, 10, 501.	2.3	1
46	The efficacy of surgical treatment of cerebral arteriovenous malformations in a single academic institution: a case series. Croatian Medical Journal, 2021, 62, 353-359.	0.7	1
47	Cerebral Perfusion Pressure and Spect in Patients after Craniocerebral Injury with Transtentorial Herniation. , 2002, 81, 73-75.		1
48	Abstract 3445: ZFAS1 is upregulated in GBM tissue and affects viability and migration of GBM cells in vitro. Cancer Research, 2017, 77, 3445-3445.	0.9	1
49	Giant intranidal aneurysm associated with the arteriovenous malformation. Clinical Neurology and Neurosurgery, 2011, 113, 813-815.	1.4	0
50	PT-12 * SURGICAL APPROACH FOR THALAMIC TUMORS. Neuro-Oncology, 2014, 16, v177-v177.	1.2	0
51	NI-71 * DEVELOPING ROLE OF ADVANCED MRI TECHNIQUES FOR DIAGNOSIS OF HIGH-GRADE GLIOMA RELAPSE AFTER COMPLEX ONCOLOGY TREATMENT. Neuro-Oncology, 2014, 16, v154-v154.	1.2	0
52	MR-06 * MicroRNA SIGNATURE ASSOCIATED WITH POOR OUTCOME OF GLIOBLASTOMA PATIENTS. Neuro-Oncology, 2014, 16, v126-v126.	1.2	0
53	Reaching the inferior fronto-occipital fascicle with the help of Klingler dissection and DTI tractography. Ceska A Slovenska Neurologie A Neurochirurgie, 2021, 84/117, .	0.1	0
54	The Influence of Mild Hypothermia on the Incidence of Vasospasms in Patients After Severe Subarachnoid Hemorrhage. , 2004, , 225-228.		0

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55	Abstract 1496: MicroRNA signature associated with poor outcome of glioblastoma patients. , 2014, , .		0
56	Abstract 2459: Clinicopathological subgroups of glioblastoma patients are characterized by specific lncRNA expression patterns. , 2018, , .		0
57	Relationship between epidemiology and subjective perception of pain in patients with carpal tunnel syndrome. Ceska A Slovenska Neurologie A Neurochirurgie, 2018, 81/114, 570-575.	0.1	0
58	TNF $\alpha$ and microRNA-15b expression changes in experimental model of subarachnoid haemorrhage. Ceska A Slovenska Neurologie A Neurochirurgie, 2019, 82/115, 53-59.	0.1	0
59	Abstract 3575: Dysregulated expression of lncRNAs in glioblastoma multiforme and their association with overall survival. , 2019, , .		0
60	Endoscopic surgery for lumbar disc herniation – the first experience. Ceska A Slovenska Neurologie A Neurochirurgie, 2019, 82/115, 541-547.	0.1	0
61	It is evident when to make a surgery for lumbar disc herniation?. Ceska A Slovenska Neurologie A Neurochirurgie, 2020, 83/116, 360-363.	0.1	0
62	Spatial patterns of glioblastoma failure related to contouring strategy of adjuvant radiotherapy (RTOG vs. EORTC target volumes approach): clinical trial introduction. Klinicka Onkologie, 2020, 33, .	0.3	0
63	Surgical treatment of brain metastases. Ceska A Slovenska Neurologie A Neurochirurgie, 2020, 83/116, 157-165.	0.1	0