

# Nils Ole Schmidt

## List of Publications by Year in descending order

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112  
papers

4,721  
citations

186209

28  
h-index

106281

65  
g-index

115  
all docs

115  
docs citations

115  
times ranked

6998  
citing authors

#	ARTICLE	IF	CITATIONS
1	Evidence for Sequenced Molecular Evolution of <i>IDH1</i> Mutant Glioblastoma From a Distinct Cell of Origin. <i>Journal of Clinical Oncology</i> , 2011, 29, 4482-4490.	0.8	420
2	A bioinformatic assay for pluripotency in human cells. <i>Nature Methods</i> , 2011, 8, 315-317.	9.0	410
3	A Novel One-Armed Anti-c-Met Antibody Inhibits Glioblastoma Growth In vivo. <i>Clinical Cancer Research</i> , 2006, 12, 6144-6152.	3.2	327
4	Regulatory networks define phenotypic classes of human stem cell lines. <i>Nature</i> , 2008, 455, 401-405.	13.7	321
5	Levels of vascular endothelial growth factor, hepatocyte growth factor/scatter factor and basic fibroblast growth factor in human gliomas and their relation to angiogenesis. <i>International Journal of Cancer</i> , 1999, 84, 10-18.	2.3	253
6	Brain Tumor Tropism of Transplanted Human Neural Stem Cells Is Induced by Vascular Endothelial Growth Factor. <i>Neoplasia</i> , 2005, 7, 623-630.	2.3	185
7	DNA methylation profiling to predict recurrence risk in meningioma: development and validation of a nomogram to optimize clinical management. <i>Neuro-Oncology</i> , 2019, 21, 901-910.	0.6	184
8	Intravascular Delivery of Neural Stem Cell Lines to Target Intracranial and Extracranial Tumors of Neural and Non-Neural Origin. <i>Human Gene Therapy</i> , 2003, 14, 1777-1785.	1.4	162
9	Vascular Endothelial Growth Factor, Hepatocyte Growth Factor/Scatter Factor, Basic Fibroblast Growth Factor, and Placenta Growth Factor in Human Meningiomas and Their Relation to Angiogenesis and Malignancy. <i>Neurosurgery</i> , 2000, 46, 938-948.	0.6	129
10	Targeting of melanoma brain metastases using engineered neural stem/progenitor cells <sup>1</sup> . <i>Neuro-Oncology</i> , 2006, 8, 119-126.	0.6	129
11	Vascular Endothelial Growth Factor, Hepatocyte Growth Factor/Scatter Factor, Basic Fibroblast Growth Factor, and Placenta Growth Factor in Human Meningiomas and Their Relation to Angiogenesis and Malignancy. <i>Neurosurgery</i> , 2000, 46, 938-948.	0.6	116
12	Immunophenotyping of Newly Diagnosed and Recurrent Glioblastoma Defines Distinct Immune Exhaustion Profiles in Peripheral and Tumor-infiltrating Lymphocytes. <i>Clinical Cancer Research</i> , 2018, 24, 4187-4200.	3.2	114
13	Scatter factor promotes motility of human glioma and neuromicrovascular endothelial cells. , 1998, 75, 19-28.		108
14	Advances in multidisciplinary therapy for meningiomas. <i>Neuro-Oncology</i> , 2019, 21, i18-i31.	0.6	102
15	Imaging and diagnostic advances for intracranial meningiomas. <i>Neuro-Oncology</i> , 2019, 21, i44-i61.	0.6	100
16	Molecular and translational advances in meningiomas. <i>Neuro-Oncology</i> , 2019, 21, i4-i17.	0.6	92
17	Intranasal Delivery of Neural Stem/Progenitor Cells: A Noninvasive Passage to Target Intracerebral Glioma. <i>Stem Cells Translational Medicine</i> , 2012, 1, 866-873.	1.6	89
18	Imaging flow cytometry facilitates multiparametric characterization of extracellular vesicles in malignant brain tumours. <i>Journal of Extracellular Vesicles</i> , 2019, 8, 1588555.	5.5	86

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19	Volume Reconstruction Techniques Improve the Correlation Between Histological and in vivo Tumor Volume Measurements in Mouse Models of Human Gliomas. <i>Journal of Neuro-Oncology</i> , 2004, 68, 207-215.	1.4	83
20	Glioma-produced extracellular matrix influences brain tumor tropism of human neural stem cells. <i>Journal of Neuro-Oncology</i> , 2006, 79, 125-133.	1.4	79
21	Vascular endothelial growth factor-stimulated cerebral microvascular endothelial cells mediate the recruitment of neural stem cells to the neurovascular niche. <i>Brain Research</i> , 2009, 1268, 24-37.	1.1	75
22	Perfusion MRI of U87 brain tumors in a mouse model. <i>Magnetic Resonance in Medicine</i> , 2004, 51, 893-899.	1.9	64
23	Life after surgical resection of a meningioma: a prospective cross-sectional study evaluating health-related quality of life. <i>Neuro-Oncology</i> , 2019, 21, i32-i43.	0.6	56
24	Antiangiogenic Therapy by Local Intracerebral Microinfusion Improves Treatment Efficiency and Survival in an Orthotopic Human Glioblastoma Model. <i>Clinical Cancer Research</i> , 2004, 10, 1255-1262.	3.2	55
25	Isolation and culture of human neuromicrovascular endothelial cells for the study of angiogenesis in vitro. <i>Journal of Neuroscience Research</i> , 1999, 55, 370-381.	1.3	45
26	Impact of intraventricular hemorrhage measured by Graeb and LeRoux score on case fatality risk and chronic hydrocephalus in aneurysmal subarachnoid hemorrhage. <i>Acta Neurochirurgica</i> , 2015, 157, 409-415.	0.9	43
27	Perianeurysmal edema in giant intracranial aneurysms in relation to aneurysm location, size, and partial thrombosis. <i>Journal of Neurosurgery</i> , 2015, 123, 446-452.	0.9	38
28	Intramedullary spinal cavernoma: clinical presentation, microsurgical approach, and long-term outcome in a cohort of 48 patients. <i>Neurosurgical Focus</i> , 2015, 39, E19.	1.0	33
29	Surgical resection of symptomatic brain metastases improves the clinical status and facilitates further treatment. <i>Cancer Medicine</i> , 2020, 9, 7503-7510.	1.3	33
30	Immune Characterization in Aneurysmal Subarachnoid Hemorrhage Reveals Distinct Monocytic Activation and Chemokine Patterns. <i>Translational Stroke Research</i> , 2020, 11, 1348-1361.	2.3	32
31	The burden of headache following aneurysmal subarachnoid hemorrhage: a prospective single-center cross-sectional analysis. <i>Acta Neurochirurgica</i> , 2020, 162, 893-903.	0.9	31
32	Local Intracerebral Immunomodulation Using Interleukin-Expressing Mesenchymal Stem Cells in Glioblastoma. <i>Clinical Cancer Research</i> , 2020, 26, 2626-2639.	3.2	31
33	A novel threshold criterion in transcranial motor evoked potentials during surgery for gliomas close to the motor pathway. <i>Journal of Neurosurgery</i> , 2016, 125, 795-802.	0.9	30
34	Angioarchitectural Risk Factors for Hemorrhage and Clinical Long-Term Outcome in Pediatric Patients with Cerebral Arteriovenous Malformations. <i>World Neurosurgery</i> , 2016, 89, 540-551.	0.7	28
35	Preclinical analysis of human mesenchymal stem cells: tumor tropism and therapeutic efficiency of local HSV-TK suicide gene therapy in glioblastoma. <i>Oncotarget</i> , 2019, 10, 6049-6061.	0.8	28
36	Impact of dexamethasone in patients with aneurysmal subarachnoid haemorrhage. <i>European Journal of Neurology</i> , 2017, 24, 645-651.	1.7	27

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37	Clinical Relevance of Associated Aneurysms with Arteriovenous Malformations of the Posterior Fossa. <i>Acta Neurochirurgica Supplementum</i> , 2011, 112, 131-135.	0.5	27
38	Quantification of water diffusion and relaxation times of human U87 tumors in a mouse model. <i>NMR in Biomedicine</i> , 2004, 17, 399-404.	1.6	25
39	Intraoperative imaging of brain tumors with fluorescein: confocal laser endomicroscopy in neurosurgery. Clinical and user experience. <i>Neurosurgical Focus</i> , 2021, 50, E19.	1.0	22
40	The Management of Brain Metastases—Systematic Review of Neurosurgical Aspects. <i>Cancers</i> , 2021, 13, 1616.	1.7	21
41	Suppression of experimental autoimmune encephalomyelitis by interleukin-10 transduced neural stem/progenitor cells. <i>Journal of Neuroinflammation</i> , 2013, 10, 117.	3.1	20
42	A 3-dimensional extracellular matrix as a delivery system for the transplantation of glioma-targeting neural stem/progenitor cells. <i>Neuro-Oncology</i> , 2010, 12, 645-654.	0.6	19
43	Functional outcome after surgical treatment of spinal meningioma. <i>Journal of Clinical Neuroscience</i> , 2020, 77, 62-66.	0.8	19
44	Initial pupil status is a strong predictor for in-hospital mortality after aneurysmal subarachnoid hemorrhage. <i>Scientific Reports</i> , 2020, 10, 4764.	1.6	19
45	A comprehensive DNA panel next generation sequencing approach supporting diagnostics and therapy prediction in neurooncology. <i>Acta Neuropathologica Communications</i> , 2020, 8, 124.	2.4	18
46	Lighting Up the Tumor—Fluorescein-Guided Resection of Gangliogliomas. <i>Journal of Clinical Medicine</i> , 2020, 9, 2405.	1.0	18
47	Non-Invasive Prediction of IDH Mutation in Patients with Glioma WHO II/III/IV Based on F-18-FET PET-Guided In Vivo 1H-Magnetic Resonance Spectroscopy and Machine Learning. <i>Cancers</i> , 2020, 12, 3406.	1.7	17
48	Giant intracranial aneurysms: natural history and 1-year case fatality after endovascular or surgical treatment. <i>Journal of Neurosurgery</i> , 2021, 134, 49-57.	0.9	17
49	Radiomics for the noninvasive prediction of the BRAF mutation status in patients with melanoma brain metastases. <i>Neuro-Oncology</i> , 2022, 24, 1331-1340.	0.6	17
50	DHEA(S)—a novel marker in Cushing's disease. <i>Acta Neurochirurgica</i> , 2013, 155, 479-484.	0.9	16
51	Dexamethasone PONV Prophylaxis Alters the Hypothalamic-Pituitary-Adrenal Axis After Transsphenoidal Pituitary Surgery. <i>Journal of Neurosurgical Anesthesiology</i> , 2014, 26, 216-219.	0.6	16
52	Validation of the modified Graeb score in aneurysmal subarachnoid hemorrhage. <i>Acta Neurochirurgica</i> , 2015, 157, 1867-1872.	0.9	14
53	Surgical management of pituitary metastases. <i>Pituitary</i> , 2016, 19, 11-18.	1.6	14
54	Surgical treatment and outcome of TSH-producing pituitary adenomas. <i>Acta Neurochirurgica</i> , 2017, 159, 1219-1226.	0.9	14

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55	Rate and risk factors for a hyperactivity delirium in patients with aneurysmal subarachnoid haemorrhage. <i>Neurosurgical Review</i> , 2019, 42, 481-488.	1.2	14
56	Exome sequencing in 38 patients with intracranial aneurysms and subarachnoid hemorrhage. <i>Journal of Neurology</i> , 2020, 267, 2533-2545.	1.8	14
57	Minimally invasive approach for small ventrally located intradural lesions of the craniocervical junction. <i>Neurosurgical Focus</i> , 2015, 38, E10.	1.0	13
58	Acute hyponatremia after aneurysmal subarachnoid hemorrhage: Frequency, treatment, and outcome. <i>Journal of Clinical Neuroscience</i> , 2021, 88, 237-242.	0.8	12
59	Quantifying unruptured giant intracranial aneurysms by measuring diameter and volume—a comparative analysis of 69 cases. <i>Acta Neurochirurgica</i> , 2015, 157, 361-368.	0.9	11
60	Changes in volume of giant intracranial aneurysms treated by surgical strategies other than direct clipping. <i>Acta Neurochirurgica</i> , 2015, 157, 1117-1123.	0.9	10
61	The simplified acute physiology score II to predict hospital mortality in aneurysmal subarachnoid hemorrhage. <i>Acta Neurochirurgica</i> , 2015, 157, 2051-2059.	0.9	10
62	Giant intracranial aneurysms of the posterior circulation and their relation to the brainstem: analysis of risk factors for neurological deficits. <i>Journal of Neurosurgery</i> , 2019, 131, 403-409.	0.9	10
63	Brain Metastases in Elderly Patients—The Role of Surgery in the Context of Systemic Treatment. <i>Brain Sciences</i> , 2021, 11, 123.	1.1	10
64	Inhibition of Thromboxane Synthase Activity Improves Glioblastoma Response to Alkylation Chemotherapy. <i>Translational Oncology</i> , 2010, 3, 43-49.	1.7	9
65	Interobserver variability in the characterization of giant intracranial aneurysms with special emphasis on aneurysm diameter and shape. <i>Acta Neurochirurgica</i> , 2015, 157, 1859-1865.	0.9	9
66	Correlation of oxygenation and perfusion sensitive MRI with invasive micro probe measurements in healthy mice brain. <i>Zeitschrift Fur Medizinische Physik</i> , 2015, 25, 77-85.	0.6	9
67	Neural Stem Cell-mediated Therapy of Primary and Metastatic Solid Tumors. , 2007, , 335-372.		9
68	Intraoperative Micro-Doppler in Cerebral Arteriovenous Malformations. <i>Journal of Neurological Surgery, Part A: Central European Neurosurgery</i> , 2015, 76, 451-455.	0.4	8
69	Timing of Development of Symptomatic Brain Metastases from Non-Small Cell Lung Cancer: Impact on Symptoms, Treatment, and Survival in the Era of Molecular Treatments. <i>Cancers</i> , 2020, 12, 3618.	1.7	8
70	Application of a Novel Metal Artifact Correction Algorithm in Flat-Panel CT After Coil Embolization of Brain Aneurysms: Intraindividual Comparison. <i>RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren</i> , 2013, 185, 824-829.	0.7	7
71	Real-world experience of treatment decision-making in carotid stenosis in a neurovascular board. <i>Neurology</i> , 2017, 89, 399-407.	1.5	7
72	REPEATED INTRANASAL APPLICATION OF NEURAL STEM CELL-MEDIATED ENZYM/PRODRUG THERAPY USING A NOVEL HSV-THYMIDINE KINASE VARIANT IMPROVES THERAPEUTIC EFFICIENCY IN AN INTRACRANIAL GLIOBLASTOMA MODEL. <i>Neuro-Oncology</i> , 2014, 16, iii50-iii50.	0.6	6

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73	Clinical implications and radiographic characteristics of the relation between giant intracranial aneurysms of the posterior circulation and the brainstem. <i>Acta Neurochirurgica</i> , 2019, 161, 1747-1753.	0.9	6
74	Proposed definition of competencies for surgical neuro-oncology training. <i>Journal of Neuro-Oncology</i> , 2021, 153, 121-131.	1.4	6
75	Somatosensory evoked potentials in patients with high-grade aneurysmal subarachnoid hemorrhage. <i>Neurosurgical Focus</i> , 2017, 43, E17.	1.0	5
76	Postoperative Nausea and Vomiting Following Craniotomy: Risk Factors and Complications in Context of Perioperative High-dose Dexamethasone Application. <i>Journal of Neurological Surgery, Part A: Central European Neurosurgery</i> , 2019, 80, 381-386.	0.4	5
77	Neurological outcome after resection of spinal schwannoma. <i>Clinical Neurology and Neurosurgery</i> , 2020, 198, 106127.	0.6	5
78	Early clinical course after aneurysmal subarachnoid hemorrhage: comparison of patients treated with Woven EndoBridge, microsurgical clipping, or endovascular coiling. <i>Acta Neurochirurgica</i> , 2019, 161, 1763-1773.	0.9	4
79	Features of tumor texture influence surgery and outcome in intracranial meningioma. <i>Neuro-Oncology Advances</i> , 2020, 2, vdaa113.	0.4	4
80	Structural Connectivity Patterns of Side Effects Induced by Subthalamic Deep Brain Stimulation for Parkinson's Disease. <i>Brain Connectivity</i> , 2022, 12, 374-384.	0.8	4
81	Declining Numbers of Neurosurgical Emergencies at a German University Medical Center during the Coronavirus Lockdown. <i>Journal of Neurological Surgery, Part A: Central European Neurosurgery</i> , 2022, 83, 314-320.	0.4	4
82	Does usage of a parachute in contrast to free fall prevent major trauma?: a prospective randomised-controlled trial in rag dolls. <i>European Spine Journal</i> , 2016, 25, 1349-1354.	1.0	3
83	Maternal Aneurysmal Subarachnoid Hemorrhage During Pregnancy as an Interdisciplinary Task. <i>Zeitschrift Fur Geburtshilfe Und Neonatologie</i> , 2017, 221, 276-282.	0.2	3
84	Application of the Endoscopic Micro-Inspection Tool QEVO® in the Surgical Treatment of Anterior Circulation Aneurysms – A Technical Note and Case Series. <i>Frontiers in Surgery</i> , 2020, 7, 602080.	0.6	3
85	Meningioma infiltrating into porous polymethylmethacrylate cranioplasty – report of a unique case. <i>Journal of Surgical Case Reports</i> , 2020, 2020, rjaa149.	0.2	2
86	Diagnostic reliability of the Berlin classification for complex MCA aneurysms – usability in a series of only giant aneurysms. <i>Acta Neurochirurgica</i> , 2020, 162, 2753-2758.	0.9	2
87	Altered brain responses to emotional facial expressions in tinnitus patients. <i>Progress in Brain Research</i> , 2021, 262, 189-207.	0.9	2
88	Massively calcified aneurysm of the anterior communicating artery: an unsuccessful clipping attempt followed by successful pCONus2-assisted coil occlusion. <i>Journal of Surgical Case Reports</i> , 2021, 2021, rjab107.	0.2	2
89	Scatter factor promotes motility of human glioma and neuromicrovascular endothelial cells. <i>International Journal of Cancer</i> , 1998, 75, 19-28.	2.3	2
90	Preoperative Assessment of Language Dominance through Combined Resting-State and Task-Based Functional Magnetic Resonance Imaging. <i>Journal of Personalized Medicine</i> , 2021, 11, 1342.	1.1	2

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91	A 19-year-Old Male with an Intraventricular Tumor. <i>Brain Pathology</i> , 2015, 25, 657-658.	2.1	1
92	Dexamethasone PONV-Prophylaxis Alters the Hypothalamic-Pituitary-Adrenal Axis After Transsphenoidal Pituitary Surgery. <i>Journal of Neurosurgical Anesthesiology</i> , 2015, 27, 181-182.	0.6	1
93	Brain multimodality monitoring in patients suffering from acute aneurysmal subarachnoid hemorrhage: clinical value and complications. <i>Journal of Integrative Neuroscience</i> , 2021, 20, 703.	0.8	1
94	A Novel Language Paradigm for Intraoperative Language Mapping: Feasibility and Evaluation. <i>Journal of Clinical Medicine</i> , 2021, 10, 655.	1.0	1
95	Endoscopic Assistance in the Deep and Narrow Spaces of the Brain—Microscopic Tumor Surgery Supported by the New Micro-Inspection Tool QEVO® (Technical Note). <i>Frontiers in Surgery</i> , 2021, 8, 648853.	0.6	1
96	fMRI Retinotopic Mapping in Patients with Brain Tumors and Space-Occupying Brain Lesions in the Area of the Occipital Lobe. <i>Cancers</i> , 2021, 13, 2439.	1.7	1
97	Levels of vascular endothelial growth factor, hepatocyte growth factor/scatter factor and basic fibroblast growth factor in human gliomas and their relation to angiogenesis. <i>International Journal of Cancer</i> , 1999, 84, 10-18.	2.3	1
98	Stem Cell Transplantation in the Brain. , 2007, , 332-350.		1
99	Surgical Treatment and outcome of TSH-producing pituitary adenoma. <i>Endocrine Abstracts</i> , 0, , .	0.0	1
100	NIMG-01. INTEROBSERVER VARIABILITY OF THE REVISED IMAGING SCORECARD FOR LEPTOMENINGEAL METASTASIS: A JOINT EORTC BRAIN TUMOR GROUP AND RANO EFFORT. <i>Neuro-Oncology</i> , 2021, 23, vi126-vi127.	0.6	1
101	56-year-old woman with sphenoid wing tumor. <i>Brain Pathology</i> , 2011, 21, 225-228.	2.1	0
102	Intranasal Delivery of Neural Stem/Progenitor Cells: A Noninvasive Passage to Target Intracerebral Glioma. <i>Stem Cells Translational Medicine</i> , 2013, 2, 159-159.	1.6	0
103	SC-07 * CYCLIC INTRANASAL APPLICATION OF NEURAL STEM CELL-MEDIATED ENZYM/PRODRUG THERAPY USING A NOVEL HSV-THYMIDINE KINASE VARIANT INHIBITS INTRACEREBRAL GLIOMA GROWTH AND IMPROVES SURVIVAL. <i>Neuro-Oncology</i> , 2014, 16, v198-v198.	0.6	0
104	NIMG-38. MAPPING OF BRAIN TUMOR OXYGEN METABOLISM IN NATIVE MRI. <i>Neuro-Oncology</i> , 2016, 18, vi132-vi133.	0.6	0
105	IMMU-55. IMMUNOMODULATORY IL-7 AND IL-12-EXPRESSING MSCs INDUCE LONG-TERM SURVIVAL AND IMMUNITY IN SYNGENEIC INTRACEREBRAL GLIOBLASTOMA MODELS. <i>Neuro-Oncology</i> , 2018, 20, vi133-vi134.	0.6	0
106	MNGI-02. FEATURES OF TUMOR TEXTURE INFLUENCE SURGERY AND OUTCOME IN INTRACRANIAL MENINGIOMA. <i>Neuro-Oncology</i> , 2019, 21, vi139-vi139.	0.6	0
107	Resection of Ventrally Located Meningiomas of the Craniovertebral Junction Using an Adaptable Minimal Invasive Approach via the Posterior Atlantooccipital Membrane. <i>Journal of Neurological Surgery, Part B: Skull Base</i> , 2016, 77, .	0.4	0
108	Continuous intra-arterial nimodipine infusion as rescue treatment of severe refractory cerebral vasospasm after aneurysmal subarachnoid hemorrhage. <i>Journal of Clinical Neuroscience</i> , 2022, 96, 163-171.	0.8	0

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109	BRMP-02. Feasibility and evaluation of a novel language paradigm for intraoperative language testing. Neuro-Oncology, 2021, 23, vi223-vi223.	0.6	0
110	CBIO-01. INHIBITION OF EXTRACELLULAR CARBONIC ANHYDRASES INHIBITS GLIOBLASTOMA CELL INVASION. Neuro-Oncology, 2021, 23, vi27-vi27.	0.6	0
111	CNTM-03. Functional connectivity networks in patients with brain tumors and vascular lesions in the occipital cortex. Neuro-Oncology, 2021, 23, vi224-vi225.	0.6	0
112	CBIO-09. INTRATUMORAL HETEROGENEITY OF DIELECTRIC PROPERTIES IN GLIOBLASTOMA. Neuro-Oncology, 2020, 22, ii17-ii17.	0.6	0