

Niklas Thon

List of Publications by Year in descending order

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Version: 2024-02-01

89
papers

3,596
citations

186265

28
h-index

138484

58
g-index

92
all docs

92
docs citations

92
times ranked

5311
citing authors

#	ARTICLE	IF	CITATIONS
1	Persistently modified h-channels after complex febrile seizures convert the seizure-induced enhancement of inhibition to hyperexcitability. <i>Nature Medicine</i> , 2001, 7, 331-337.	30.7	395
2	Suppression of antitumor T cell immunity by the oncometabolite (R)-2-hydroxyglutarate. <i>Nature Medicine</i> , 2018, 24, 1192-1203.	30.7	359
3	Promoter methylation and expression of <i>MGMT</i> and the DNA mismatch repair genes <i>MLH1</i> , <i>MSH2</i> , <i>MSH6</i> and <i>PMS2</i> in paired primary and recurrent glioblastomas. <i>International Journal of Cancer</i> , 2011, 129, 659-670.	5.1	247
4	Expression of Integrin $\alpha_3\beta_1$ in Gliomas Correlates with Tumor Grade and Is not Restricted to Tumor Vasculature. <i>Brain Pathology</i> , 2008, 18, 378-386.	4.1	161
5	Entorhinal Cortex Lesion in Adult Rats Induces the Expression of the Neuronal Chondroitin Sulfate Proteoglycan Neurocan in Reactive Astrocytes. <i>Journal of Neuroscience</i> , 1999, 19, 9953-9963.	3.6	142
6	Increased ^{68}Ga -DOTATATE Uptake in PET Imaging Discriminates Meningioma and Tumor-Free Tissue. <i>Journal of Nuclear Medicine</i> , 2015, 56, 347-353.	5.0	137
7	Personalized treatment strategies in glioblastoma: MGMT promoter methylation status. <i>OncoTargets and Therapy</i> , 2013, 6, 1363.	2.0	127
8	Dynamic ^{18}F -FET PET in Newly Diagnosed Astrocytic Low-Grade Glioma Identifies High-Risk Patients. <i>Journal of Nuclear Medicine</i> , 2014, 55, 198-203.	5.0	123
9	The chondroitin sulphate proteoglycan brevican is upregulated by astrocytes after entorhinal cortex lesions in adult rats. <i>European Journal of Neuroscience</i> , 2000, 12, 2547-2558.	2.6	97
10	O6-Methylguanine-DNA Methyltransferase (MGMT) mRNA Expression Predicts Outcome in Malignant Glioma Independent of MGMT Promoter Methylation. <i>PLoS ONE</i> , 2011, 6, e17156.	2.5	97
11	Trigeminal Neuralgia due to Neurovascular Compression: High-Spatial-Resolution Diffusion-Tensor Imaging Reveals Microstructural Neural Changes. <i>Radiology</i> , 2011, 258, 524-530.	7.3	93
12	Prediction of oligodendroglial histology and LOH 1p/19q using dynamic ^{18}F -FET-PET imaging in intracranial WHO grade II and III gliomas. <i>Neuro-Oncology</i> , 2012, 14, 1473-1480.	1.2	91
13	<i>IDH1</i> mutations in grade II astrocytomas are associated with unfavorable progression-free survival and prolonged postrecurrence survival. <i>Cancer</i> , 2012, 118, 452-460.	4.1	77
14	Presence of pluripotent CD133+ cells correlates with malignancy of gliomas. <i>Molecular and Cellular Neurosciences</i> , 2010, 43, 51-59.	2.2	76
15	Iodine-125 brachytherapy for brain tumours - a review. <i>Radiation Oncology</i> , 2012, 7, 30.	2.7	76
16	In human glioblastomas transcript elongation by alternative polyadenylation and miRNA targeting is a potent mechanism of MGMT silencing. <i>Acta Neuropathologica</i> , 2013, 125, 671-681.	7.7	73
17	Dynamic ^{18}F -FET PET in suspected WHO grade II gliomas defines distinct biological subgroups with different clinical courses. <i>International Journal of Cancer</i> , 2015, 136, 2132-2145.	5.1	68
18	Novel Molecular Stereotactic Biopsy Procedures Reveal Intratumoral Homogeneity of Loss of Heterozygosity of 1p/19q and TP53 Mutations in World Health Organization Grade II Gliomas. <i>Journal of Neuropathology and Experimental Neurology</i> , 2009, 68, 1219-1228.	1.7	66

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19	Microstructural alterations in trigeminal neuralgia determined by diffusion tensor imaging are independent of symptom duration, severity, and type of neurovascular conflict. <i>Journal of Neurosurgery</i> , 2016, 124, 823-830.	1.6	62
20	Resting-state fMRI detects alterations in whole brain connectivity related to tumor biology in glioma patients. <i>Neuro-Oncology</i> , 2020, 22, 1388-1398.	1.2	60
21	Enhanced analysis of intracerebral arteriovenous malformations by the intraoperative use of analytical indocyanine green videoangiography: technical note. <i>Acta Neurochirurgica</i> , 2011, 153, 2181-2187.	1.7	53
22	Epigenetics in human gliomas. <i>Cancer Letters</i> , 2014, 342, 185-192.	7.2	48
23	Cerebrospinal fluid penetration of meropenem in neurocritical care patients with proven or suspected ventriculitis: a prospective observational study. <i>Critical Care</i> , 2016, 20, 343.	5.8	47
24	Predominant influence of MGMT methylation in non-resectable glioblastoma after radiotherapy plus temozolomide. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2011, 82, 441-446.	1.9	45
25	Interleukin 6 in the Cerebrospinal Fluid as a Biomarker for Onset of Vasospasm and Ventriculitis After Severe Subarachnoid Hemorrhage. <i>World Neurosurgery</i> , 2017, 99, 132-139.	1.3	34
26	Bevacizumab reduces toxicity of reirradiation in recurrent high-grade glioma. <i>Radiotherapy and Oncology</i> , 2019, 138, 99-105.	0.6	34
27	Male sex as a risk factor for the clinical course of skull base chordomas. <i>Journal of Neurosurgery</i> , 2014, 120, 1313-1320.	1.6	30
28	Dynamic 18F-FET PET is a powerful imaging biomarker in gadolinium-negative gliomas. <i>Neuro-Oncology</i> , 2019, 21, 274-284.	1.2	30
29	Interstitial Photodynamic Therapy Using 5-ALA for Malignant Glioma Recurrences. <i>Cancers</i> , 2021, 13, 1767.	3.7	30
30	Ruptured basilar artery perforator aneurysmsâ€™ treatment regimen and long-term follow-up in eight cases. <i>Neuroradiology</i> , 2016, 58, 285-291.	2.2	27
31	Outcome in unresectable glioblastoma: MGMT promoter methylation makes the difference. <i>Journal of Neurology</i> , 2017, 264, 350-358.	3.6	27
32	Orbit-associated tumors: navigation and control of resection using intraoperative computed tomography. <i>Journal of Neurosurgery</i> , 2016, 124, 1319-1327.	1.6	26
33	Effect of early palliative care for patients with glioblastoma (EPCOG): a randomised phase III clinical trial protocol. <i>BMJ Open</i> , 2020, 10, e034378.	1.9	26
34	Therapeutic management of neuro-oncologic patients - potential relevance of CSF liquid biopsy. <i>Theranostics</i> , 2020, 10, 856-866.	10.0	25
35	Introduction of intraoperative neuromonitoring does not necessarily improve overall long-term outcome in elective aneurysm clipping. <i>Journal of Neurosurgery</i> , 2020, 132, 1188-1196.	1.6	25
36	Trabectedin for recurrent WHO grade 2 or 3 meningioma: A randomized phase II study of the EORTC Brain Tumor Group (EORTC-1320-BTG). <i>Neuro-Oncology</i> , 2022, 24, 755-767.	1.2	25

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37	Primary dural lymphomas: Clinical presentation, management, and outcome. <i>Cancer</i> , 2020, 126, 2811-2820.	4.1	24
38	Outcome and toxicity profile of salvage low-dose-rate iodine-125 stereotactic brachytherapy in recurrent high-grade gliomas. <i>Acta Neurochirurgica</i> , 2015, 157, 1757-1764.	1.7	23
39	Role of Cerebrospinal Fluid Markers for Predicting Shunt-Dependent Hydrocephalus in Patients with Subarachnoid Hemorrhage and External Ventricular Drain Placement. <i>World Neurosurgery</i> , 2019, 121, e535-e542.	1.3	22
40	Intronic miR-744 Inhibits Glioblastoma Migration by Functionally Antagonizing Its Host Gene MAP2K4. <i>Cancers</i> , 2018, 10, 400.	3.7	20
41	Î±-Internexin in the Diagnosis of Oligodendroglial Tumors and Association With 1p/19q Status. <i>Journal of Neuropathology and Experimental Neurology</i> , 2011, 70, 970-978.	1.7	19
42	CSF penetration of vancomycin in critical care patients with proven or suspected ventriculitis: a prospective observational study. <i>Journal of Antimicrobial Chemotherapy</i> , 2019, 74, 991-996.	3.0	19
43	Inflammatory Markers in Serum and Cerebrospinal Fluid for Early Detection of External Ventricular Drain-associated Ventriculitis in Patients With Subarachnoid Hemorrhage. <i>Journal of Neurosurgical Anesthesiology</i> , 2019, 31, 227-233.	1.2	19
44	Chimeric Antigen Receptor T Cells for Glioblastoma. <i>Neurology</i> , 2021, 97, 218-230.	1.1	19
45	<p>The surgical perspective in precision treatment of diffuse gliomas</p>. <i>OncoTargets and Therapy</i> , 2019, Volume 12, 1497-1508.	2.0	18
46	Diagnostic Yield and Complication Rate of Stereotactic Biopsies in Precision Medicine of Gliomas. <i>Frontiers in Neurology</i> , 2022, 13, 822362.	2.4	18
47	CAR T-Cells for CNS Lymphoma: Driving into New Terrain?. <i>Cancers</i> , 2021, 13, 2503.	3.7	15
48	Bevacizumab versus alkylating chemotherapy in recurrent glioblastoma. <i>Journal of Cancer Research and Clinical Oncology</i> , 2020, 146, 659-670.	2.5	14
49	Significance of cerebrospinal fluid inflammatory markers for diagnosing external ventricular drain-associated ventriculitis in patients with severe traumatic brain injury. <i>Neurosurgical Focus</i> , 2019, 47, E15.	2.3	13
50	Differential Spatial Distribution of TSPO or Amino Acid PET Signal and MRI Contrast Enhancement in Gliomas. <i>Cancers</i> , 2022, 14, 53.	3.7	12
51	State of Practice: Endovascular Treatment of Acute Aneurysmal SAH in Germany. <i>American Journal of Neuroradiology</i> , 2017, 38, 1574-1579.	2.4	11
52	The role of surgery for brain metastases from solid tumors. <i>Handbook of Clinical Neurology</i> / Edited By P J Vinken and G W Bruyn, 2018, 149, 113-121.	1.8	11
53	Extent and prognostic value of MGMT promotor methylation in glioma WHO grade II. <i>Scientific Reports</i> , 2020, 10, 19758.	3.3	11
54	Simultaneous stereotactic radiosurgery of multiple brain metastases using single-isocenter dynamic conformal arc therapy: a prospective monocentric registry trial. <i>Strahlentherapie Und Onkologie</i> , 2021, 197, 601-613.	2.0	11

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55	Multifocal high-grade glioma radiotherapy safety and efficacy. <i>Radiation Oncology</i> , 2021, 16, 165.	2.7	11
56	Telomerase reverse transcriptase promoter mutation and O6-methylguanine DNA methyltransferase promoter methylation-mediated sensitivity to temozolomide in isocitrate dehydrogenase wild-type glioblastoma: is there a link?. <i>European Journal of Cancer</i> , 2021, 147, 84-94.	2.8	10
57	Long-term outcome in orbital meningiomas: progression-free survival after targeted resection combined with early or postponed postoperative radiotherapy. <i>Journal of Neurosurgery</i> , 2020, 133, 302-312.	1.6	10
58	In vivo two-photon characterization of tumor-associated macrophages and microglia (TAM/M) and CX3CR1 during different steps of brain metastasis formation from lung cancer. <i>Neoplasia</i> , 2021, 23, 1089-1100.	5.3	9
59	Risks and Benefits of Glioblastoma Resection in Older Adults: A Retrospective Austrian Multicenter Study. <i>World Neurosurgery</i> , 2020, 133, e583-e591.	1.3	8
60	Advanced MRI Findings in Medulloblastomas: Relationship to Genetic Subtypes, Histopathology, and Immunohistochemistry. <i>Journal of Neuroimaging</i> , 2021, 31, 306-316.	2.0	8
61	The role of surgery in grade II/III oligodendroglial tumors. <i>CNS Oncology</i> , 2015, 4, 317-323.	3.0	7
62	Scalp Reconstruction after Malignant Tumor Resection: An Analysis and Algorithm. <i>Journal of Neurological Surgery, Part B: Skull Base</i> , 2020, 81, 149-157.	0.8	7
63	Prognostic value of a bilateral motor threshold criterion for facial corticobulbar MEP monitoring during cerebellopontine angle tumor resection. <i>Journal of Clinical Monitoring and Computing</i> , 2020, 34, 1331-1341.	1.6	7
64	Interrelation between Spectral Online Monitoring and Postoperative T1-Weighted MRI in Interstitial Photodynamic Therapy of Malignant Gliomas. <i>Cancers</i> , 2022, 14, 120.	3.7	7
65	Increased TSPO PET signal after radiochemotherapy in IDH-wildtype glioma indicator for treatment-induced immune activation?. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2022, 49, 4282-4283.	6.4	7
66	Intramedullary Pilomyxoid Astrocytoma with Intracerebral Metastasis Exhibiting Oligodendrogloma-Like Features. <i>Rare Tumors</i> , 2012, 4, 92-95.	0.6	5
67	Long-term outcome of stereotactic brachytherapy with temporary Iodine-125 seeds in patients with WHO grade II gliomas. <i>Radiation Oncology</i> , 2020, 15, 275.	2.7	5
68	Extent, pattern, and prognostic value of MGMT promoter methylation: does it differ between glioblastoma and IDH-wildtype/TERT-mutated astrocytoma?. <i>Journal of Neuro-Oncology</i> , 2022, 156, 317-327.	2.9	5
69	Therapeutic Options for Recurrent High-Grade Gliomas: A Perspective Statement. <i>World Neurosurgery</i> , 2017, 105, 985-987.	1.3	4
70	Fibroblast Growth Factor 23-Producing Phosphaturic Mesenchymal Tumor with Extraordinary Morphology Causing Oncogenic Osteomalacia. <i>Medicina (Lithuania)</i> , 2020, 56, 34.	2.0	4
71	Endotracheal Tube Electrodes to Assess Vocal Cord Motor Function During Surgery in the Cerebellopontine Angle. <i>Neurosurgery</i> , 2015, 77, 471-478.	1.1	3
72	Stenotrophomonas maltophilia brain abscesses after implantation of motor cortex stimulator. <i>Journal of the Neurological Sciences</i> , 2019, 400, 32-33.	0.6	3

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73	Radiation necrosis after a combination of external beam radiotherapy and iodine-125 brachytherapy in gliomas. <i>Radiation Oncology</i> , 2021, 16, 40.	2.7	3
74	VarioGuide® frameless neuronavigation-guided stereoelectroencephalography in adult epilepsy patients: technique, accuracy and clinical experience. <i>Acta Neurochirurgica</i> , 2021, 163, 1355-1364.	1.7	3
75	Letter to the Editor: Low-grade gliomas. <i>Journal of Neurosurgery</i> , 2012, 116, 468-470.	1.6	2
76	Use of an ultrasonic aspirator in transnasal surgery of tumorous lesions of the anterior skull base. <i>Interdisciplinary Neurosurgery: Advanced Techniques and Case Management</i> , 2019, 18, 100545.	0.3	2
77	Identification of Distant Metastases From Recurrent Gliosarcoma Using Whole-Body 18F-FDG PET/CT. <i>Clinical Nuclear Medicine</i> , 2019, 44, 923-924.	1.3	2
78	Physiology of Limbic Hyperexcitability after Experimental Complex Febrile Seizures. , 2002, , 203-213.		2
79	Diffusion-weighted magnetic resonance imaging for detection of postoperative intracranial pyogenic abscesses in neurosurgery. <i>Acta Neurochirurgica</i> , 2019, 161, 985-993.	1.7	1
80	Case Report: Minimal Neurological Deficit of Two Adult Patients With Westons Hurst Syndrome Due to Early Craniectomy: Case Series and Review of Literature on Craniectomy. <i>Frontiers in Neurology</i> , 2021, 12, 673611.	2.4	1
81	Subventricular zone involvement is associated with worse outcome in glioma WHO grade 2 depending on molecular markers. <i>Scientific Reports</i> , 2021, 11, 20045.	3.3	1
82	Finding the Optimal Surgical Incision Pattern – A Biomechanical Study. <i>Journal of Clinical Medicine</i> , 2022, 11, 2600.	2.4	1
83	177 Microstructural Neural Changes Due to Neurovascular Compression in Trigeminal Neuralgia		