

# Stefan J Grau

## List of Publications by Year in descending order

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89  
papers

2,085  
citations

304743

22  
h-index

265206

42  
g-index

94  
all docs

94  
docs citations

94  
times ranked

3341  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effector T-Cell Infiltration Positively Impacts Survival of Glioblastoma Patients and Is Impaired by Tumor-Derived TGF- $\beta$ 2. <i>Clinical Cancer Research</i> , 2011, 17, 4296-4308.	7.0	290
2	Expression of Integrin $\alpha$ 5 $\beta$ 3 in Gliomas Correlates with Tumor Grade and Is not Restricted to Tumor Vasculature. <i>Brain Pathology</i> , 2008, 18, 378-386.	4.1	161
3	Bevacizumab Plus Irinotecan Versus Temozolomide in Newly Diagnosed O <sup>6</sup> -Methylguanine $\epsilon$ -DNA Methyltransferase Nonmethylated Glioblastoma: The Randomized GLARIUS Trial. <i>Journal of Clinical Oncology</i> , 2016, 34, 1611-1619.	1.6	151
4	Vascular endothelial growth factor A contributes to glioma-induced migration of human marrow stromal cells (hMSC). <i>Experimental Neurology</i> , 2006, 199, 301-310.	4.1	120
5	Long-Term Outcome After Suboccipital Decompressive Craniectomy for Malignant Cerebellar Infarction. <i>Stroke</i> , 2009, 40, 3045-3050.	2.0	98
6	Presence of pluripotent CD133+ cells correlates with malignancy of gliomas. <i>Molecular and Cellular Neurosciences</i> , 2010, 43, 51-59.	2.2	76
7	Isolation and Culture of Microvascular Endothelial Cells from Gliomas of Different WHO Grades. <i>Journal of Neuro-Oncology</i> , 2006, 76, 39-48.	2.9	68
8	Interstitial <sup>125</sup> I radiosurgery of supratentorial de novo WHO Grade 2 astrocytoma and oligoastrocytoma in adults. <i>Cancer</i> , 2006, 106, 1372-1381.	4.1	55
9	Extracranial Metastases of a Cerebral Glioblastoma: A Case Report and Review of the Literature. <i>Case Reports in Oncology</i> , 2018, 11, 591-600.	0.7	51
10	Identification of valid endogenous control genes for determining gene expression in human glioma. <i>Neuro-Oncology</i> , 2010, 12, 570-579.	1.2	48
11	Different microsurgical approaches to meningiomas of the anterior cranial base. <i>Acta Neurochirurgica</i> , 2010, 152, 931-939.	1.7	43
12	Surgical management of lower-grade glioma in the spotlight of the 2016 WHO classification system. <i>Journal of Neuro-Oncology</i> , 2019, 141, 223-233.	2.9	36
13	Improvement of walking speed and gait symmetry in older patients after hip arthroplasty: a prospective cohort study. <i>BMC Musculoskeletal Disorders</i> , 2015, 16, 291.	1.9	33
14	Surgical resection of symptomatic brain metastases improves the clinical status and facilitates further treatment. <i>Cancer Medicine</i> , 2020, 9, 7503-7510.	2.8	33
15	Impact of time to initiation of radiotherapy on survival after resection of newly diagnosed glioblastoma. <i>Radiation Oncology</i> , 2019, 14, 73.	2.7	30
16	Automated Detection and Segmentation of Brain Metastases in Malignant Melanoma: Evaluation of a Dedicated Deep Learning Model. <i>American Journal of Neuroradiology</i> , 2021, 42, 655-662.	2.4	29
17	Stereotactic biopsy combined with stereotactic <sup>125</sup> Iodine brachytherapy for diagnosis and treatment of locally recurrent single brain metastases. <i>Journal of Neuro-Oncology</i> , 2011, 105, 109-118.	2.9	28
18	Bevacizumab can induce reactivity to VEGF-C and -D in human brain and tumour derived endothelial cells. <i>Journal of Neuro-Oncology</i> , 2011, 104, 103-112.	2.9	27

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19	Long-term follow-up after stereotactic radiosurgery of intracranial acoustic neuroma. <i>Radiation Oncology</i> , 2017, 12, 68.	2.7	27
20	Acoustic Neuroma Treated with Stereotactic Radiosurgery: Follow-up of 335 Patients. <i>World Neurosurgery</i> , 2018, 116, e194-e202.	1.3	26
21	Frame-based stereotactic biopsy of deep-seated and midline structures in 511 procedures: feasibility, risk profile, and diagnostic yield. <i>Acta Neurochirurgica</i> , 2019, 161, 2065-2071.	1.7	26
22	Observation after surgery for low grade glioma: long-term outcome in the light of the 2016 WHO classification. <i>Journal of Neuro-Oncology</i> , 2019, 145, 501-507.	2.9	26
23	Fully Automated <sc>MR</sc> Detection and Segmentation of Brain Metastases in Non-small Cell Lung Cancer Using Deep Learning. <i>Journal of Magnetic Resonance Imaging</i> , 2021, 54, 1608-1622.	3.4	25
24	Stereotactic iodine-125 brachytherapy for the treatment of WHO grades II and III gliomas located in the central sulcus region. <i>Neuro-Oncology</i> , 2013, 15, 1721-1731.	1.2	24
25	VEGF-dependent induction of CD62E on endothelial cells mediates glioma tropism of adult haematopoietic progenitor cells. <i>Brain</i> , 2008, 131, 2579-2595.	7.6	21
26	Impact of treatment on survival of patients with secondary glioblastoma. <i>Journal of Neuro-Oncology</i> , 2017, 133, 309-313.	2.9	21
27	The Treatment of Gliomas in Adulthood. <i>Deutsches A&amp;#x0308;rzteblatt International</i> , 2018, 115, 356-364.	0.9	20
28	Long-Term Outcome and Health-Related Quality of Life of Elderly Patients After Meningioma Surgery. <i>World Neurosurgery</i> , 2019, 125, e697-e710.	1.3	20
29	Evaluation of the rule-of-thumb: calculation of the toe allowance for developing feet. <i>Footwear Science</i> , 2016, 8, 119-127.	2.1	19
30	Gait velocity and step length at baseline predict outcome of Nordic walking training in patients with Parkinson's disease. <i>Parkinsonism and Related Disorders</i> , 2015, 21, 413-416.	2.2	17
31	Stereotactic biopsy in elderly patients: risk assessment and impact on treatment decision. <i>Journal of Neuro-Oncology</i> , 2017, 134, 303-307.	2.9	17
32	Clinical routine assessment of palliative care symptoms and concerns and caregiver burden in glioblastoma patients: an explorative field study. <i>Journal of Neuro-Oncology</i> , 2018, 138, 321-333.	2.9	17
33	Radiomics for the noninvasive prediction of the BRAF mutation status in patients with melanoma brain metastases. <i>Neuro-Oncology</i> , 2022, 24, 1331-1340.	1.2	17
34	The Debatable Benefit of Gross-Total Resection of Brain Metastases in a Comprehensive Treatment Setting. <i>Cancers</i> , 2021, 13, 1435.	3.7	16
35	The evolving role of neurosurgery for central nervous system metastases in the era of personalized cancer therapy. <i>European Journal of Cancer</i> , 2021, 156, 93-108.	2.8	16
36	The choice of anaesthesia for glioblastoma surgery does not impact the time to recurrence. <i>Scientific Reports</i> , 2020, 10, 5556.	3.3	15

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37	Feasibility, Risk Profile and Diagnostic Yield of Stereotactic Biopsy in Children and Young Adults with Brain Lesions. <i>Klinische Padiatrie</i> , 2017, 229, 133-141.	0.6	14
38	Improvement of safety shoe fit - evaluation of dynamic foot structure. <i>Footwear Science</i> , 2018, 10, 179-187.	2.1	13
39	Postoperative local fractionated radiotherapy for resected single brain metastases. <i>Strahlentherapie Und Onkologie</i> , 2018, 194, 1163-1170.	2.0	13
40	Applying the Global Trigger Tool in German Hospitals: A Pilot in Surgery and Neurosurgery. <i>Journal of Patient Safety</i> , 2020, 16, e340-e351.	1.7	13
41	MGMT-Positive vs MGMT-Negative Patients With Glioblastoma: Identification of Prognostic Factors and Resection Threshold. <i>Neurosurgery</i> , 2021, 88, E323-E329.	1.1	13
42	Repair of Cerebrospinal Fluid Leakage Using a Transfrontal, Radial Adipofascial Flap: An Individual Approach Supported by Three-Dimensional Printing for Surgical Planning. <i>World Neurosurgery</i> , 2018, 110, 315-318.	1.3	12
43	Study protocol of a 52-week Prospective Running INjury study in Gothenburg (SPRING). <i>BMJ Open Sport and Exercise Medicine</i> , 2018, 4, e000394.	2.9	12
44	Stereotactic Radiosurgery of Cavernous Sinus Meningiomas. <i>Journal of Neurological Surgery, Part B: Skull Base</i> , 2020, 81, 158-164.	0.8	12
45	Outcome and toxicity analysis of single dose stereotactic radiosurgery in vestibular schwannoma based on the Koos grading system. <i>Scientific Reports</i> , 2020, 10, 9309.	3.3	12
46	Quality of life in the GLARIUS trial randomizing bevacizumab/irinotecan versus temozolomide in newly diagnosed, MGMT-nonmethylated glioblastoma. <i>Neuro-Oncology</i> , 2018, 20, 975-985.	1.2	11
47	Monitoring Treatment Response to Erlotinib in EGFR-mutated Non-small-cell Lung Cancer Brain Metastases Using Serial O-(2-[ <sup>18</sup> F]fluoroethyl)-L-tyrosine PET. <i>Clinical Lung Cancer</i> , 2019, 20, e148-e151.	2.6	11
48	Athlete availability and incidence of overuse injuries over an athletics season in a cohort of elite Swedish athletics athletes - a prospective study. <i>Injury Epidemiology</i> , 2020, 7, 16.	1.8	11
49	Stereotactic radiosurgery for treating meningiomas eligible for complete resection. <i>Radiation Oncology</i> , 2021, 16, 22.	2.7	11
50	Primary Meningeal T-Cell Lymphoma at the Clivus Mimicking a Meningioma. <i>World Neurosurgery</i> , 2010, 74, 513-516.	1.3	10
51	Hemidiaphragmatic paralysis with recurrent lung infections due to degenerative motor root compression of C3 and C4. <i>Acta Neurochirurgica</i> , 2011, 153, 597-599.	1.7	10
52	Associations between biomechanical and clinical/anthropometrical factors and running-related injuries among recreational runners: a 52-week prospective cohort study. <i>Injury Epidemiology</i> , 2020, 7, 10.	1.8	10
53	Brain Metastases in Elderly Patients—The Role of Surgery in the Context of Systemic Treatment. <i>Brain Sciences</i> , 2021, 11, 123.	2.3	10
54	Youth sport injury research: a narrative review and the potential of interdisciplinarity. <i>BMJ Open Sport and Exercise Medicine</i> , 2021, 7, e000933.	2.9	9

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55	Nitric Oxide-Induced Changes in Endothelial Expression of Phosphodiesterases 2, 3, and 5. <i>Headache</i> , 2010, 50, 431-441.	3.9	8
56	Workplace activity classification from shoe-based movement sensors. <i>BMC Biomedical Engineering</i> , 2020, 2, 8.	2.6	8
57	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.	3.7	8
58	Tissue metabolites in diffuse glioma and their modulations by IDH1 mutation, histology, and treatment. <i>JCI Insight</i> , 2022, 7, .	5.0	8
59	Impact of Resection on Survival of Isocitrate Dehydrogenase 1-Mutated World Health Organization Grade II Astrocytoma After Malignant Progression. <i>World Neurosurgery</i> , 2017, 103, 180-185.	1.3	7
60	Resection of symptomatic non-small cell lung cancer brain metastasis in the setting of multiple brain metastases. <i>Journal of Neurosurgery</i> , 2022, 136, 1576-1582.	1.6	7
61	Acute effects of whole-body vibration on trunk and neck muscle activity in consideration of different vibration loads. <i>Journal of Sports Science and Medicine</i> , 2015, 14, 155-62.	1.6	7
62	Recurrent brain metastases: the role of resection of in a comprehensive multidisciplinary treatment setting. <i>BMC Cancer</i> , 2022, 22, 275.	2.6	7
63	Benign orbital angiomatous tumors with intracranial extension. <i>European Journal of Medical Research</i> , 2015, 20, 63.	2.2	6
64	Stereotactic radiosurgery of benign brain tumors in elderly patients: evaluation of outcome and toxicity. <i>Radiation Oncology</i> , 2020, 15, 274.	2.7	6
65	Long-term Functional Recovery and Quality of Life after Surgical Treatment of Putaminal Hemorrhages. <i>Journal of Stroke and Cerebrovascular Diseases</i> , 2015, 24, 925-929.	1.6	5
66	Brain metastases from esophageal cancer. <i>Medicine (United States)</i> , 2019, 98, e16653.	1.0	5
67	Injury-Free Children and Adolescents: Towards Better Practice in Swedish Football (FIT project). <i>Research Ideas and Outcomes</i> , 0, 4, .	1.0	5
68	Monoclonal antibodies and Fc fragments for treating solid tumors. <i>Biologics: Targets and Therapy</i> , 2012, 6, 13.	3.2	4
69	Stereotactic iodine-125 brachytherapy for brain tumors: temporary versus permanent implantation. <i>Radiation Oncology</i> , 2012, 7, 94.	2.7	4
70	Bilateral hypoglossal nerve palsy and unilateral recurrent laryngeal nerve palsy following lumbar discectomy. <i>European Journal of Anaesthesiology</i> , 2016, 33, 464-466.	1.7	4
71	Overuse injuries in Swedish elite athletics—a study protocol for a prospective multifactorial cohort study. <i>BMC Musculoskeletal Disorders</i> , 2018, 19, 370.	1.9	4
72	Changes in intracranial pressure and cerebral blood flow during volatile anaesthesia. <i>European Journal of Anaesthesiology</i> , 2016, 33, 468-469.	1.7	3

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73	Current treatment concepts for iatrogenic ventriculitis: a nationwide survey in Germany. <i>Acta Neurochirurgica</i> , 2018, 160, 505-508.	1.7	3
74	Spontaneous intraneural hematoma of the common fibular nerve due to oral anticoagulation. <i>Journal of Surgical Case Reports</i> , 2020, 2020, rjaa207.	0.4	3
75	Cyberknife® hypofractionated stereotactic radiosurgery (CK-hSRS) as salvage treatment for brain metastases. <i>Journal of Cancer Research and Clinical Oncology</i> , 2021, 147, 2765-2773.	2.5	3
76	Risk factors for overuse injuries in a cohort of elite Swedish track and field athletes. <i>BMC Sports Science, Medicine and Rehabilitation</i> , 2021, 13, 73.	1.7	3
77	Clinical Characteristics and Magnetic Resonance Imaging-Based Prediction of the KLF4 Mutation in Meningioma. <i>World Neurosurgery</i> , 2021, 154, e665-e670.	1.3	3
78	Occurrence of overuse injuries in elite Swedish athletics—A prospective cohort study over one athletics season. <i>Translational Sports Medicine</i> , 2020, 3, 649-656.	1.1	2
79	Measurement of Physical Activity by Shoe-Based Accelerometers—Calibration and Free-Living Validation. <i>Sensors</i> , 2021, 21, 2333.	3.8	2
80	Methodological implications of adapting and applying a web-based questionnaire on health problems to adolescent football players. <i>BMC Medical Research Methodology</i> , 2021, 21, 252.	3.1	2
81	Superficial cerebral and spinal haemosiderosis caused by secondary tethered cord syndrome after resection of a spinal lymphoma. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2006, 78, 767-768.	1.9	1
82	SURG-24APPLICATION OF NANOTHERMABY STEREOTACTIC GUIDANCE: A TECHNICAL NOTE. <i>Neuro-Oncology</i> , 2015, 17, v219.4-v219.	1.2	1
83	Improvement of fit of security shoes — evaluation of dynamic foot structure. <i>Footwear Science</i> , 2017, 9, S36-S37.	2.1	1
84	Letter to the Editor re: Ultrasound Guided Lumbar Puncture Is Not Necessarily Useful for VIIP/SANS: Letters. <i>Aerospace Medicine and Human Performance</i> , 2019, 90, 579-579.	0.4	1
85	66-Year Old Man with Facial Pain. <i>Brain Pathology</i> , 2016, 26, 559-560.	4.1	0
86	MLTI-03. The relevance of the count of brain metastases for treatment and outcome in NSCLC. <i>Neuro-Oncology Advances</i> , 2021, 3, iii13-iii13.	0.7	0
87	SURG-04. Surgical resection of symptomatic brain metastasis in patients with non-small cell lung cancer irrespective from lesion count. <i>Neuro-Oncology Advances</i> , 2021, 3, iii24-iii24.	0.7	0
88	Survival effects of a strategy favoring second-line multimodal treatment compared to supportive care in glioblastoma patients at first progression. <i>Journal of Neurosurgery</i> , 2019, 131, 1136-1141.	1.6	0
89	NIMG-04. PREDICTING THE BRAF MUTATIONAL STATUS IN PATIENTS WITH MELANOMA BRAIN METASTASES USING RADIOMICS - A BICENTRIC STUDY. <i>Neuro-Oncology</i> , 2021, 23, vi127-vi128.	1.2	0