

# Barbara Kiesel

## List of Publications by Year in descending order

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Version: 2024-02-01

67  
papers

2,153  
citations

394421

19  
h-index

243625

44  
g-index

67  
all docs

67  
docs citations

67  
times ranked

3536  
citing authors

#	ARTICLE	IF	CITATIONS
1	On the cutting edge of glioblastoma surgery: where neurosurgeons agree and disagree on surgical decisions. <i>Journal of Neurosurgery</i> , 2022, 136, 45-55.	1.6	2
2	Improved Protoporphyrin IX-Guided Neurosurgical Tumor Detection with Frequency-Domain Fluorescence Lifetime Imaging. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 1002.	2.5	1
3	Analysis of corticosteroid and antiepileptic drug treatment effects on heme biosynthesis mRNA expression in lower-grade gliomas: potential implications for 5-ALA metabolism. <i>Photodiagnosis and Photodynamic Therapy</i> , 2022, 38, 102755.	2.6	0
4	Does pigmentation, hemosiderin and blood effect visible 5-ALA fluorescence in cerebral melanoma metastasis?. <i>Photodiagnosis and Photodynamic Therapy</i> , 2022, 39, 102864.	2.6	3
5	Fibroblast growth factor receptor 4 promotes glioblastoma progression: a central role of integrin-mediated cell invasiveness. <i>Acta Neuropathologica Communications</i> , 2022, 10, 65.	5.2	8
6	7T HR FID-MRSI Compared to Amino Acid PET: Glutamine and Glycine as Promising Biomarkers in Brain Tumors. <i>Cancers</i> , 2022, 14, 2163.	3.7	3
7	Heme Biosynthesis Factors and 5-ALA Induced Fluorescence: Analysis of mRNA and Protein Expression in Fluorescing and Non-fluorescing Gliomas. <i>Frontiers in Medicine</i> , 2022, 9, .	2.6	7
8	High Diagnostic Accuracy of Visible 5-ALA Fluorescence in Meningioma Surgery According to Histopathological Analysis of Tumor Bulk and Peritumoral Tissue. <i>Lasers in Surgery and Medicine</i> , 2021, 53, 300-308.	2.1	7
9	Timing of glioblastoma surgery and patient outcomes: a multicenter cohort study. <i>Neuro-Oncology Advances</i> , 2021, 3, vdab053.	0.7	4
10	Favourable outcome of patients with breast cancer brain metastases treated with dual HER2 blockade of trastuzumab and pertuzumab. <i>Therapeutic Advances in Medical Oncology</i> , 2021, 13, 175883592110090.	3.2	9
11	Evaluation of the Temporal Muscle Thickness as an Independent Prognostic Biomarker in Patients with Primary Central Nervous System Lymphoma. <i>Cancers</i> , 2021, 13, 566.	3.7	21
12	Prognostic Value of 5-ALA Fluorescence, Tumor Cell Infiltration and Angiogenesis in the Peritumoral Brain Tissue of Brain Metastases. <i>Cancers</i> , 2021, 13, 603.	3.7	12
13	Heme Biosynthesis mRNA Expression Signature: Towards a Novel Prognostic Biomarker in Patients with Diffusely Infiltrating Gliomas. <i>Cancers</i> , 2021, 13, 662.	3.7	5
14	BIMG-04. MAPPING HETEROGENEITY OF HIGH-GRADE GLIOMA METABOLISM USING HIGH RESOLUTION 7T MRSI. <i>Neuro-Oncology Advances</i> , 2021, 3, i1-i1.	0.7	0
15	LAG-3 expression in the inflammatory microenvironment of glioma. <i>Journal of Neuro-Oncology</i> , 2021, 152, 533-539.	2.9	22
16	Quantifying eloquent locations for glioblastoma surgery using resection probability maps. <i>Journal of Neurosurgery</i> , 2021, 134, 1091-1101.	1.6	14
17	Circulating PD-L1 levels change during bevacizumab-based treatment in recurrent glioma. <i>Cancer Immunology, Immunotherapy</i> , 2021, 70, 3643-3650.	4.2	10
18	5-ALA Fluorescence Is a Powerful Prognostic Marker during Surgery of Low-Grade Gliomas (WHO) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	3.7	19

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19	Glioblastoma Surgery Imagingâ€”Reporting and Data System: Standardized Reporting of Tumor Volume, Location, and Resectability Based on Automated Segmentations. <i>Cancers</i> , 2021, 13, 2854.	3.7	5
20	Influence of preoperative corticosteroid treatment on rate of diagnostic surgeries in primary central nervous system lymphoma: a multicenter retrospective study. <i>BMC Cancer</i> , 2021, 21, 754.	2.6	14
21	PSMA Expression in 122 Treatment Naive Glioma Patients Related to Tumor Metabolism in 11C-Methionine PET and Survival. <i>Journal of Personalized Medicine</i> , 2021, 11, 624.	2.5	11
22	5-ALA in Suspected Low-Grade Gliomas: Current Role, Limitations, and New Approaches. <i>Frontiers in Oncology</i> , 2021, 11, 699301.	2.8	26
23	Glioblastoma Surgery Imagingâ€”Reporting and Data System: Validation and Performance of the Automated Segmentation Task. <i>Cancers</i> , 2021, 13, 4674.	3.7	9
24	Fluorescence Lifetime Imaging and Spectroscopic Co-Validation for Protoporphyrin IX-Guided Tumor Visualization in Neurosurgery. <i>Frontiers in Oncology</i> , 2021, 11, 741303.	2.8	12
25	Reply to Stummer, W.; Thomas, C. Comment on â€œHosmann et al. 5-ALA Fluorescence Is a Powerful Prognostic Marker during Surgery of Low-Grade Gliomas (WHO Grade II)â€”Experience at Two Specialized Centers. <i>Cancers</i> 2021, 13, 2540â€” <i>Cancers</i> , 2021, 13, 5705.	3.7	0
26	Efficacy, Outcome, and Safety of Elderly Patients with Glioblastoma in the 5-ALA Era: Single Center Experience of More Than 10 Years. <i>Cancers</i> , 2021, 13, 6119.	3.7	6
27	Is Intraoperative Pathology Needed if 5-Aminolevulinic-Acid-Induced Tissue Fluorescence Is Found in Stereotactic Brain Tumor Biopsy?. <i>Neurosurgery</i> , 2020, 86, 366-373.	1.1	29
28	Noninvasive Differentiation of Meningiomas and Dural Metastases Using Intratumoral Vascularity Obtained by Arterial Spin Labeling. <i>Clinical Neuroradiology</i> , 2020, 30, 599-605.	1.9	5
29	High-resolution metabolic imaging of high-grade gliomas using 7T-CRT-FID-MRSI. <i>NeuroImage: Clinical</i> , 2020, 28, 102433.	2.7	37
30	Macroscopic fluorescence-lifetime imaging of NADH and protoporphyrin IX improves the detection and grading of 5-aminolevulinic acid-stained brain tumors. <i>Scientific Reports</i> , 2020, 10, 20492.	3.3	24
31	Soluble PD-L1 is associated with local and systemic inflammation markers in primary and secondary brain tumours. <i>ESMO Open</i> , 2020, 5, e000863.	4.5	17
32	TCGA mRNA Expression Analysis of the Heme Biosynthesis Pathway in Diffusely Infiltrating Gliomas: A Comparison of Typically 5-ALA Fluorescent and Non-Fluorescent Gliomas. <i>Cancers</i> , 2020, 12, 2043.	3.7	8
33	Postoperative Magnetic Resonance Imaging After Surgery of Brain Metastases: Analysis of Extent of Resection and Potential Risk Factors for Incomplete Resection. <i>World Neurosurgery</i> , 2020, 143, e365-e373.	1.3	7
34	Distributed changes of the functional connectome in patients with glioblastoma. <i>Scientific Reports</i> , 2020, 10, 18312.	3.3	19
35	Clinical characteristics and prognostic factors of adult patients with pilocytic astrocytoma. <i>Journal of Neuro-Oncology</i> , 2020, 148, 187-198.	2.9	25
36	Telomerase Reverse Transcriptase Promoter Mutations Identify a Genomically Defined and Highly Aggressive Human Pleural Mesothelioma Subgroup. <i>Clinical Cancer Research</i> , 2020, 26, 3819-3830.	7.0	23

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37	Perioperative imaging in patients treated with resection of brain metastases: a survey by the European Association of Neuro-Oncology (EANO) Youngsters committee. <i>BMC Cancer</i> , 2020, 20, 410.	2.6	14
38	High Interobserver Agreement in the Subjective Classification of 5-Aminolevulinic Acid Fluorescence Levels in Newly Diagnosed Glioblastomas. <i>Lasers in Surgery and Medicine</i> , 2020, 52, 814-821.	2.1	9
39	Improved Diagnostic Imaging of Brain Tumors by Multimodal Microscopy and Deep Learning. <i>Cancers</i> , 2020, 12, 1806.	3.7	13
40	Influence of Corticosteroids and Antiepileptic Drugs on Visible 5-Aminolevulinic Acid Fluorescence in a Series of Initially Suspected Low-Grade Gliomas Including World Health Organization Grade II, III, and IV Gliomas. <i>World Neurosurgery</i> , 2020, 137, e437-e446.	1.3	5
41	Surgical microscope with integrated fluorescence lifetime imaging for 5-aminolevulinic acid fluorescence-guided neurosurgery. <i>Journal of Biomedical Optics</i> , 2020, 25, 1.	2.6	10
42	Lymphocyte-activation gene 3 (LAG-3) expression in the inflammatory microenvironment of glioma.. <i>Journal of Clinical Oncology</i> , 2020, 38, 2553-2553.	1.6	4
43	Towards real-time wide-field fluorescence lifetime imaging of 5-ALA labeled brain tumors with multi-tap CMOS cameras. <i>Biomedical Optics Express</i> , 2020, 11, 1598.	2.9	11
44	Detailed analysis of 5-aminolevulinic acid induced fluorescence in different brain metastases at two specialized neurosurgical centers: experience in 157 cases. <i>Journal of Neurosurgery</i> , 2020, 133, 1032-1043.	1.6	19
45	SURG-13. EVALUATION OF 5-ALA FLUORESCENCE IN BRAIN METASTASES OF VARIOUS PRIMARY TUMORS: A MULTICENTER STUDY WITH EXPERIENCE IN 157 CASES. <i>Neuro-Oncology Advances</i> , 2019, 1, i33-i33.	0.7	0
46	Intrameningioma Metastasis: A Wolf in Sheep's Clothing? Experience from a Series of 7 Cases. <i>World Neurosurgery</i> , 2019, 132, 169-172.	1.3	7
47	Ex-vivo analysis of quantitative 5-ALA fluorescence intensity in diffusely infiltrating gliomas using a handheld spectroscopic probe: Correlation with histopathology, proliferation and microvascular density. <i>Photodiagnosis and Photodynamic Therapy</i> , 2019, 27, 354-361.	2.6	13
48	Increasing use of immunotherapy and prolonged survival among younger patients with primary CNS lymphoma: a population-based study. <i>Acta Oncologica</i> , 2019, 58, 967-976.	1.8	8
49	High-resolution metabolic mapping of gliomas via patch-based super-resolution magnetic resonance spectroscopic imaging at 7T. <i>NeuroImage</i> , 2019, 191, 587-595.	4.2	33
50	TMIC-09. MULTIMODAL VISIBLE LIGHT OPTICAL COHERENCE MICROSCOPY AND FLUORESCENCE IMAGING OF GLIOBLASTOMA REGIONAL SAMPLES. <i>Neuro-Oncology</i> , 2019, 21, vi248-vi249.	1.2	0
51	Systematic histopathological analysis of different 5-aminolevulinic acid-induced fluorescence levels in newly diagnosed glioblastomas. <i>Journal of Neurosurgery</i> , 2018, 129, 341-353.	1.6	35
52	Glioma Survival Prediction with Combined Analysis of In Vivo <sup>11</sup> C-MET PET Features, Ex Vivo Features, and Patient Features by Supervised Machine Learning. <i>Journal of Nuclear Medicine</i> , 2018, 59, 892-899.	5.0	94
53	ACTR-32. 5-ALA FLUORESCENCE IS A POWERFUL MARKER FOR DETECTION OF UNEXPECTED GLIOBLASTOMA TISSUE DURING SURGERY OF RADIOLOGICALLY SUSPECTED LOW-GRADE GLIOMAS. <i>Neuro-Oncology</i> , 2018, 20, vi18-vi18.	1.2	0
54	CMET-26. PERIOPERATIVE IMAGING OF BRAIN METASTASES: A EUROPEAN ASSOCIATION OF NEURO-ONCOLOGY (EANO) YOUNGSTERS SURVEY. <i>Neuro-Oncology</i> , 2018, 20, vi59-vi59.	1.2	0

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55	High correlation of temporal muscle thickness with lumbar skeletal muscle cross-sectional area in patients with brain metastases. <i>PLoS ONE</i> , 2018, 13, e0207849.	2.5	63
56	The DNA methylation landscape of glioblastoma disease progression shows extensive heterogeneity in time and space. <i>Nature Medicine</i> , 2018, 24, 1611-1624.	30.7	229
57	5-ALA-induced fluorescence as a marker for diagnostic tissue in stereotactic biopsies of intracranial lymphomas: experience in 41 patients. <i>Neurosurgical Focus</i> , 2018, 44, E7.	2.3	46
58	Local image variance of 7 Tesla SWI is a new technique for preoperative characterization of diffusely infiltrating gliomas: correlation with tumour grade and IDH1 mutational status. <i>European Radiology</i> , 2017, 27, 1556-1567.	4.5	26
59	A novel miniature robotic guidance device for stereotactic neurosurgical interventions: preliminary experience with the iSYS1 robot. <i>Journal of Neurosurgery</i> , 2017, 126, 985-996.	1.6	55
60	Correlation of immune phenotype with IDH mutation in diffuse glioma. <i>Neuro-Oncology</i> , 2017, 19, 1460-1468.	1.2	213
61	Analysis of the surgical benefits of 5-ALA-induced fluorescence in intracranial meningiomas: experience in 204 meningiomas. <i>Journal of Neurosurgery</i> , 2016, 125, 1408-1419.	1.6	69
62	Introduction of a standardized multimodality image protocol for navigation-guided surgery of suspected low-grade gliomas. <i>Neurosurgical Focus</i> , 2015, 38, E4.	2.3	39
63	Programmed death ligand 1 expression and tumor-infiltrating lymphocytes in glioblastoma. <i>Neuro-Oncology</i> , 2015, 17, 1064-1075.	1.2	485
64	PD1 and PD-L1 expression in glioblastoma. <i>Journal of Clinical Oncology</i> , 2014, 32, 2011-2011.	1.6	4
65	Tumor-infiltrating lymphocytes (TILs) and expression of PD-L1 in melanoma brain metastases (BM). <i>Journal of Clinical Oncology</i> , 2014, 32, 9055-9055.	1.6	1
66	5-Aminolevulinic Acid Induced Fluorescence Is a Powerful Intraoperative Marker for Precise Histopathological Grading of Gliomas with Non-Significant Contrast-Enhancement. <i>PLoS ONE</i> , 2013, 8, e76988.	2.5	138
67	Strong 5-aminolevulinic acid-induced fluorescence is a novel intraoperative marker for representative tissue samples in stereotactic brain tumor biopsies. <i>Neurosurgical Review</i> , 2012, 35, 381-391.	2.4	86