Barbara Kiesel

List of Publications by Year
in descending order

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	Programmed death ligand 1 expression and tumor-infiltrating lymphocytes in glioblastoma. Neuro-Oncology, 2015, 17, 1064-1075.	1.2	485
2	The DNA methylation landscape of glioblastoma disease progression shows extensive heterogeneity in time and space. Nature Medicine, 2018, 24, 1611-1624.	30.7	229
3	Correlation of immune phenotype with IDH mutation in diffuse glioma. Neuro-Oncology, 2017, 19, 1460-1468.	1.2	213
4	5-Aminolevulinic Acid Induced Fluorescence Is a Powerful Intraoperative Marker for Precise Histopathological Grading of Gliomas with Non-Significant Contrast-Enhancement. PLoS ONE, 2013, 8, e76988.	2.5	138
5	Glioma Survival Prediction with Combined Analysis of In Vivo ^{11}C-MET PET Features, Ex Vivo Features, and Patient Features by Supervised Machine Learning. Journal of Nuclear Medicine, 2018, 59, 892-899.	5.0	94
6	Strong 5-aminolevulinic acid-induced fluorescence is a novel intraoperative marker for representative tissue samples in stereotactic brain tumor biopsies. Neurosurgical Review, 2012, 35, 381-391.	2.4	86
7	Analysis of the surgical benefits of 5-ALA–induced fluorescence in intracranial meningiomas: experience in 204 meningiomas. Journal of Neurosurgery, 2016, 125, 1408-1419.	1.6	69
8	High correlation of temporal muscle thickness with lumbar skeletal muscle cross-sectional area in patients with brain metastases. PLoS ONE, 2018, 13, e0207849.	2.5	63
9	A novel miniature robotic guidance device for stereotactic neurosurgical interventions: preliminary experience with the iSYS1 robot. Journal of Neurosurgery, 2017, 126, 985-996.	1.6	55
10	5-ALA–induced fluorescence as a marker for diagnostic tissue in stereotactic biopsies of intracranial lymphomas: experience in 41 patients. Neurosurgical Focus, 2018, 44, E7.	2.3	46
11	Introduction of a standardized multimodality image protocol for navigation-guided surgery of suspected low-grade gliomas. Neurosurgical Focus, 2015, 38, E4.	2.3	39
12	High-resolution metabolic imaging of high-grade gliomas using 7T-CRT-FID-MRSI. NeuroImage: Clinical, 2020, 28, 102433.	2.7	37
13	Systematic histopathological analysis of different 5-aminolevulinic acid–induced fluorescence levels in newly diagnosed glioblastomas. Journal of Neurosurgery, 2018, 129, 341-353.	1.6	35
14	High-resolution metabolic mapping of gliomas via patch-based super-resolution magnetic resonance spectroscopic imaging at 7T. NeuroImage, 2019, 191, 587-595.	4.2	33
15	Is Intraoperative Pathology Needed if 5-Aminolevulinic-Acid-Induced Tissue Fluorescence Is Found in Stereotactic Brain Tumor Biopsy?. Neurosurgery, 2020, 86, 366-373.	1.1	29
16	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. European Radiology, 2017, 27, 1556-1567.	4.5	26
17	5-ALA in Suspected Low-Grade Gliomas: Current Role, Limitations, and New Approaches. Frontiers in Oncology, 2021, 11, 699301.	2.8	26
18	Clinical characteristics and prognostic factors of adult patients with pilocytic astrocytoma. Journal of Neuro-Oncology, 2020, 148, 187-198.	2.9	25

#	ARTICLE	IF	CITATIONS
19	Macroscopic fluorescence-lifetime imaging of NADH and protoporphyrin IX improves the detection and grading of 5-aminolevulinic acid-stained brain tumors. Scientific Reports, 2020, 10, 20492.	3.3	24
20	Telomerase Reverse Transcriptase Promoter Mutations Identify a Genomically Defined and Highly Aggressive Human Pleural Mesothelioma Subgroup. Clinical Cancer Research, 2020, 26, 3819-3830.	7.0	23
21	LAG-3 expression in the inflammatory microenvironment of glioma. Journal of Neuro-Oncology, 2021, 152, 533-539.	2.9	22
22	Evaluation of the Temporal Muscle Thickness as an Independent Prognostic Biomarker in Patients with Primary Central Nervous System Lymphoma. Cancers, 2021, 13, 566.	3.7	21
23	Distributed changes of the functional connectome in patients with glioblastoma. Scientific Reports, 2020, 10, 18312.	3.3	19
24	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
25	Detailed analysis of 5-aminolevulinic acid induced fluorescence in different brain metastases at two specialized neurosurgical centers: experience in 157 cases. Journal of Neurosurgery, 2020, 133, 1032-1043.	1.6	19
26	Soluble PD-L1 is associated with local and systemic inflammation markers in primary and secondary brain tumours. ESMO Open, 2020, 5, e000863.	4.5	17
27	Perioperative imaging in patients treated with resection of brain metastases: a survey by the European Association of Neuro-Oncology (EANO) Youngsters committee. BMC Cancer, 2020, 20, 410.	2.6	14
28	Quantifying eloquent locations for glioblastoma surgery using resection probability maps. Journal of Neurosurgery, 2021, 134, 1091-1101.	1.6	14
29	Influence of preoperative corticosteroid treatment on rate of diagnostic surgeries in primary central nervous system lymphoma: a multicenter retrospective study. BMC Cancer, 2021, 21, 754.	2.6	14
30	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. Photodiagnosis and Photodynamic Therapy, 2019, 27, 354-361.	2.6	13
31	Improved Diagnostic Imaging of Brain Tumors by Multimodal Microscopy and Deep Learning. Cancers, 2020, 12, 1806.	3.7	13
32	Prognostic Value of 5-ALA Fluorescence, Tumor Cell Infiltration and Angiogenesis in the Peritumoral Brain Tissue of Brain Metastases. Cancers, 2021, 13, 603.	3.7	12
33	Fluorescence Lifetime Imaging and Spectroscopic Co-Validation for Protoporphyrin IX-Guided Tumor Visualization in Neurosurgery. Frontiers in Oncology, 2021, 11, 741303.	2.8	12
34	PSMA Expression in 122 Treatment Naive Glioma Patients Related to Tumor Metabolism in 11C-Methionine PET and Survival. Journal of Personalized Medicine, 2021, 11, 624.	2.5	11
35	Towards real-time wide-field fluorescence lifetime imaging of 5-ALA labeled brain tumors with multi-tap CMOS cameras. Biomedical Optics Express, 2020, 11, 1598.	2.9	11
36	Circulating PD-L1 levels change during bevacizumab-based treatment in recurrent glioma. Cancer Immunology, Immunotherapy, 2021, 70, 3643-3650.	4.2	10

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37	Surgical microscope with integrated fluorescence lifetime imaging for 5-aminolevulinic acid fluorescence-guided neurosurgery. Journal of Biomedical Optics, 2020, 25, 1.	2.6	10
38	High Interobserver Agreement in the Subjective Classification of 5‑Aminolevulinic Acid Fluorescence Levels in Newly Diagnosed Glioblastomas. Lasers in Surgery and Medicine, 2020, 52, 814-821.	2.1	9
39	Favourable outcome of patients with breast cancer brain metastases treated with dual HER2 blockade of trastuzumab and pertuzumab. Therapeutic Advances in Medical Oncology, 2021, 13, 175883592110090.	3.2	9
40	Glioblastoma Surgery Imaging—Reporting and Data System: Validation and Performance of the Automated Segmentation Task. Cancers, 2021, 13, 4674.	3.7	9
41	Increasing use of immunotherapy and prolonged survival among younger patients with primary CNS lymphoma: a population-based study. Acta Oncológica, 2019, 58, 967-976.	1.8	8
42	TCGA mRNA Expression Analysis of the Heme Biosynthesis Pathway in Diffusely Infiltrating Gliomas: A Comparison of Typically 5-ALA Fluorescent and Non-Fluorescent Gliomas. Cancers, 2020, 12, 2043.	3.7	8
43	Fibroblast growth factor receptor 4 promotes glioblastoma progression: a central role of integrin-mediated cell invasiveness. Acta Neuropathologica Communications, 2022, 10, 65.	5.2	8
44	Intrameningioma Metastasis: A Wolf in Sheep's Clothing? Experience from a Series of 7 Cases. World Neurosurgery, 2019, 132, 169-172.	1.3	7
45	Postoperative Magnetic Resonance Imaging After Surgery of Brain Metastases: Analysis of Extent of Resection and Potential Risk Factors for Incomplete Resection. World Neurosurgery, 2020, 143, e365-e373.	1.3	7
46	High Diagnostic Accuracy of Visible 5‑ALA Fluorescence in Meningioma Surgery According to Histopathological Analysis of Tumor Bulk and Peritumoral Tissue. Lasers in Surgery and Medicine, 2021, 53, 300-308.	2.1	7
47	Heme Biosynthesis Factors and 5-ALA Induced Fluorescence: Analysis of mRNA and Protein Expression in Fluorescing and Non-fluorescing Gliomas. Frontiers in Medicine, 2022, 9, .	2.6	7
48	Efficacy, Outcome, and Safety of Elderly Patients with Glioblastoma in the 5-ALA Era: Single Center Experience of More Than 10 Years. Cancers, 2021, 13, 6119.	3.7	6
49	Noninvasive Differentiation of Meningiomas and Dural Metastases Using Intratumoral Vascularity Obtained by Arterial Spin Labeling. Clinical Neuroradiology, 2020, 30, 599-605.	1.9	5
50	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. World Neurosurgery, 2020, 137, e437-e446.	1.3	5
51	Heme Biosynthesis mRNA Expression Signature: Towards a Novel Prognostic Biomarker in Patients with Diffusely Infiltrating Gliomas. Cancers, 2021, 13, 662.	3.7	5
52	Glioblastoma Surgery Imaging—Reporting and Data System: Standardized Reporting of Tumor Volume, Location, and Resectability Based on Automated Segmentations. Cancers, 2021, 13, 2854.	3.7	5
53	Timing of glioblastoma surgery and patient outcomes: a multicenter cohort study. Neuro-Oncology Advances, 2021, 3, vdab053.	0.7	4
54	PD1 and PD-L1 expression in glioblastoma.. Journal of Clinical Oncology, 2014, 32, 2011-2011.	1.6	4

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55	Lymphocyte-activation gene 3 (LAG-3) expression in the inflammatory microenvironment of glioma.. Journal of Clinical Oncology, 2020, 38, 2553-2553.	1.6	4
56	Does pigmentation, hemosiderin and blood effect visible 5-ALA fluorescence in cerebral melanoma metastasis?. Photodiagnosis and Photodynamic Therapy, 2022, 39, 102864.	2.6	3
57	7T HR FID-MRSI Compared to Amino Acid PET: Glutamine and Glycine as Promising Biomarkers in Brain Tumors. Cancers, 2022, 14, 2163.	3.7	3
58	On the cutting edge of glioblastoma surgery: where neurosurgeons agree and disagree on surgical decisions. Journal of Neurosurgery, 2022, 136, 45-55.	1.6	2
59	Tumor-infiltrating lymphocytes (TILs) and expression of PD-L1 in melanoma brain metastases (BM).. Journal of Clinical Oncology, 2014, 32, 9055-9055.	1.6	1
60	Improved Protoporphyrin IX-Guided Neurosurgical Tumor Detection with Frequency-Domain Fluorescence Lifetime Imaging. Applied Sciences (Switzerland), 2022, 12, 1002.	2.5	1
61	ACTR-32. 5-ALA FLUORESCENCE IS A POWERFUL MARKER FOR DETECTION OF UNEXPECTED GLIOBLASTOMA TISSUE DURING SURGERY OF RADIOLOGICALLY SUSPECTED LOW-GRADE GLIOMAS. Neuro-Oncology, 2018, 20, vi18-vi18.	1.2	0
62	CMET-26. PERIOPERATIVE IMAGING OF BRAIN METASTASES: A EUROPEAN ASSOCIATION OF NEURO-ONCOLOGY (EANO) YOUNGSTERS SURVEY. Neuro-Oncology, 2018, 20, vi59-vi59.	1.2	0
63	SURG-13. EVALUATION OF 5-ALA FLUORESCENCE IN BRAIN METASTASES OF VARIOUS PRIMARY TUMORS: A MULTICENTER STUDY WITH EXPERIENCE IN 157 CASES. Neuro-Oncology Advances, 2019, 1, i33-i33.	0.7	0
64	TMIC-09. MULTIMODAL VISIBLE LIGHT OPTICAL COHERENCE MICROSCOPY AND FLUORESCENCE IMAGING OF GLIOBLASTOMA REGIONAL SAMPLES. Neuro-Oncology, 2019, 21, vi248-vi249.	1.2	0
65	BIMG-04. MAPPING HETEROGENEITY OF HIGH-GRADE GLIOMA METABOLISM USING HIGH RESOLUTION 7T MRSI. Neuro-Oncology Advances, 2021, 3, i1-i1.	0.7	0
66	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. Cancers 2021, 13, 2540â€. Cancers, 2021, 13, 5705.	3.7	0
67	Analysis of corticosteroid and antiepileptic drug treatment effects on heme biosynthesis mRNA expression in lower-grade gliomas: potential implications for 5-ALA metabolization. Photodiagnosis and Photodynamic Therapy, 2022, 38, 102755.	2.6	0