Julia Furtner

List of Publications by Year
in descending order

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Version: 2024-02-01

91 papers	2,178 citations	279798 23 h-index	276875 41 g-index
96 all docs	96 docs citations	96 times ranked	3334 citing authors

#	Article	IF	Citations
1	The DNA methylation landscape of glioblastoma disease progression shows extensive heterogeneity in time and space. Nature Medicine, 2018, 24, 1611-1624.	30.7	229
2	Invasion patterns in brain metastases of solid cancers. Neuro-Oncology, 2013, 15, 1664-1672.	1.2	191
3	The RANO Leptomeningeal Metastasis Group proposal to assess response to treatment: lack of feasibility and clinical utility and a revised proposal. Neuro-Oncology, 2019, 21, 648-658.	1.2	90
4	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
5	Survival prediction using temporal muscle thickness measurements on cranial magnetic resonance images in patients with newly diagnosed brain metastases. European Radiology, 2017, 27, 3167-3173.	4.5	80
6	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
7	Temporal muscle thickness is an independent prognostic marker in melanoma patients with newly diagnosed brain metastases. Journal of Neuro-Oncology, 2018, 140, 173-178.	2.9	62
8	Plasma MicroRNA-21 Concentration May Be a Useful Biomarker in Glioblastoma Patients. Cancer Investigation, 2012, 30, 615-621.	1.3	60
9	A simple classification system (the Tree flowchart) for breast MRI can reduce the number of unnecessary biopsies in MRI-only lesions. European Radiology, 2017, 27, 3799-3809.	4.5	59
10	Temporal muscle thickness is an independent prognostic marker in patients with progressive glioblastoma: translational imaging analysis of the EORTC 26101 trial. Neuro-Oncology, 2019, 21, 1587-1594.	1.2	56
11	Sarcopenia in Neurological Patients: Standard Values for Temporal Muscle Thickness and Muscle Strength Evaluation. Journal of Clinical Medicine, 2020, 9, 1272.	2.4	56
12	Kinetics of tumor size and peritumoral brain edema before, during, and after systemic therapy in recurrent WHO grade II or III meningioma. Neuro-Oncology, 2016, 18, 401-407.	1.2	53
13	5-ALAâ€“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
14	Nephrogenic Systemic Fibrosis Risk After Liver Magnetic Resonance Imaging With Gadoxetate Disodium in Patients With Moderate to Severe Renal Impairment. Investigative Radiology, 2015, 50, 416-422.	6.2	44
15	Pharmacokinetics and Safety of Gadobutrol-Enhanced Magnetic Resonance Imaging in Pediatric Patients. Investigative Radiology, 2009, 44, 776-783.	6.2	42
16	Introduction of a standardized multimodality image protocol for navigation-guided surgery of suspected low-grade gliomas. Neurosurgical Focus, 2015, 38, E4.	2.3	39
17	High-resolution metabolic imaging of high-grade gliomas using 7T-CRT-FID-MRSI. NeuroImage: Clinical, 2020, 28, 102433.	2.7	37
18	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

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19	Prognostic Value of Blood Flow Measurements Using Arterial Spin Labeling in Gliomas. PLoS ONE, 2014, 9, e99616.	2.5	31
20	Non-invasive assessment of intratumoral vascularity using arterial spin labeling: A comparison to susceptibility-weighted imaging for the differentiation of primary cerebral lymphoma and glioblastoma. European Journal of Radiology, 2014, 83, 806-810.	2.6	30
21	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
22	PET/MRI for Oncologic Brain Imaging: A Comparison of Standard MR-Based Attenuation Corrections with a Model-Based Approach for the Siemens mMR PET/MR System. Journal of Nuclear Medicine, 2017, 58, 1519-1525.	5.0	27
23	Prognostic impact of genetic alterations and methylation classes in meningioma. Brain Pathology, 2022, 32, e12970.	4.1	27
24	Tumor DNA methylation profiles correlate with response to anti-PD-1 immune checkpoint inhibitor monotherapy in sarcoma patients. , 2021, 9, e001458.		26
25	Alleviation of Brain Edema and Restoration of Functional Independence by Bevacizumab in Brain-Metastatic Breast Cancer: A Case Report. Breast Care, 2014, 9, 134-134.	1.4	25
26	MRI-based quantification of residual fibroglandular tissue of the breast after conservative mastectomies. European Journal of Radiology, 2018, 104, 1-7.	2.6	25
27	Clinical characteristics and prognostic factors of adult patients with pilocytic astrocytoma. Journal of Neuro-Oncology, 2020, 148, 187-198.	2.9	25
28	Temporal Muscle Thickness as a Prognostic Marker in Patients with Newly Diagnosed Glioblastoma: Translational Imaging Analysis of the CENTRIC EORTC 26071â€“22072 and CORE Trials. Clinical Cancer Research, 2022, 28, 129-136.	7.0	25
29	Trabectedin for recurrent WHO grade 2 or 3 meningioma: A randomized phase II study of the EORTC Brain Tumor Group (EORTC-1320-BTG). Neuro-Oncology, 2022, 24, 755-767.	1.2	25
30	Arterial Spin-Labeling Assessment of Normalized Vascular Intratumoral Signal Intensity as a Predictor of Histologic Grade of Astrocytic Neoplasms. American Journal of Neuroradiology, 2014, 35, 482-489.	2.4	23
31	MR-Based Morphometry of the Posterior Fossa in Fetuses with Neural Tube Defects of the Spine. PLoS ONE, 2014, 9, e112585.	2.5	22
32	Visual and semiquantitative 11C-methionine PET: an independent prognostic factor for survival of newly diagnosed and treatment-naÃ¯ve gliomas. Neuro-Oncology, 2018, 20, 411-419.	1.2	22
33	Fetal diffusion tensor quantification of brainstem pathology in Chiari II malformation. European Radiology, 2016, 26, 1274-1283.	4.5	21
34	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
35	Distributed changes of the functional connectome in patients with glioblastoma. Scientific Reports, 2020, 10, 18312.	3.3	19
36	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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37	Multi-Habitat Radiomics Unravels Distinct Phenotypic Subtypes of Glioblastoma with Clinical and Genomic Significance. Cancers, 2020, 12, 1707.	3.7	18
38	Prospective validation of a new imaging scorecard to assess leptomeningeal metastasis: A joint EORTC BTG and RANO effort. Neuro-Oncology, 2022, 24, 1726-1735.	1.2	18
39	Response assessment of meningioma: 1D, 2D, and volumetric criteria for treatment response and tumor progression. Neuro-Oncology, 2019, 21, 234-241.	1.2	16
40	Myxopapillary Ependymoma With Pleuropulmonary Metastases and High Plasma Glial Fibrillary Acidic Protein Levels. Journal of Clinical Oncology, 2011, 29, e756-e757.	1.6	14
41	Effects of Portal Hypertension on Gadoxetic Acidâ€"Enhanced Liver Magnetic Resonance. Investigative Radiology, 2017, 52, 462-469.	6.2	14
42	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
43	Bevacizumab-based treatment as salvage therapy in patients with recurrent symptomatic brain metastases. Neuro-Oncology Advances, 2020, 2, vdaa038.	0.7	14
44	Quantifying eloquent locations for glioblastoma surgery using resection probability maps. Journal of Neurosurgery, 2021, 134, 1091-1101.	1.6	14
45	Bone Marrow Involvement in Malignant Lymphoma. Academic Radiology, 2018, 25, 453-460.	2.5	13
46	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
47	Rapid Detection of Bone Metastasis at Thoracoabdominal CT: Accuracy and Efficiency of a New Visualization Algorithm. Radiology, 2014, 270, 825-833.	7.3	12
48	Evaluating cellularity and structural connectivity on whole brain slides using a custom-made digital pathology pipeline. Journal of Neuroscience Methods, 2019, 311, 215-221.	2.5	12
49	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
50	A Novel Protocol of Continuous Navigation Guidance for Endoscopic Third Ventriculostomy. Operative Neurosurgery, 2014, 10, 514-524.	0.8	10
51	Evaluation of [18F]-FDG-Based Hybrid Imaging Combinations for Assessment of Bone Marrow Involvement in Lymphoma at Initial Staging. PLoS ONE, 2016, 11, e0164118.	2.5	10
52	Coronary artery bypass grafting and perioperative stroke: imaging of atherosclerotic plaques in the ascending aorta with ungated high-pitch CT-angiography. Scientific Reports, 2020, 10, 13909.	3.3	10
53	Prognostic factors in adult brainstem glioma: a tertiary care center analysis and review of the literature. Journal of Neurology, 2022, 269, 1574-1590.	3.6	10
54	Neuronal correlates of cognitive function in patients with childhood cerebellar tumor lesions. PLoS ONE, 2017, 12, e0180200.	2.5	10

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55	Intracranial Hematomas at a Glance: Advanced Visualization for Fast and Easy Detection. Radiology, 2013, 267, 522-530.	7.3	9
56	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
57	Glioblastoma Surgery Imagingâ€“Reporting and Data System: Validation and Performance of the Automated Segmentation Task. Cancers, 2021, 13, 4674.	3.7	9
58	Innervated ectopic salivary gland associated with RathkeÂ's cleft cyst clinically mimicking pituitary adenoma. , 2013, 32, 171-175.		9
59	Novel crystalloid oligodendrogliopathy in hereditary spastic paraplegia. Acta Neuropathologica, 2012, 124, 583-591.	7.7	8
60	High plasma-GFAP levels in metastatic myxopapillary ependymoma. Journal of Neuro-Oncology, 2013, 113, 359-363.	2.9	8
61	Intrameningioma Metastasis: A Wolf in Sheep's Clothing? Experience from a Series of 7 Cases. World Neurosurgery, 2019, 132, 169-172.	1.3	7
62	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
63	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
64	Attention shifts the language network reflecting paradigm presentation. Frontiers in Human Neuroscience, 2013, 7, 809.	2.0	6
65	Clinical neuropathology of brain tumors. Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn, 2018, 145, 477-534.	1.8	6
66	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
67	Noninvasive Differentiation of Meningiomas and Dural Metastases Using Intratumoral Vascularity Obtained by Arterial Spin Labeling. Clinical Neuroradiology, 2020, 30, 599-605.	1.9	5
68	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
69	5-ALA fluorescence for intraoperative visualization of spinal ependymal tumors and identification of unexpected residual tumor tissue: experience in 31 patients. Journal of Neurosurgery: Spine, 2021, 34, 374-382.	1.7	5
70	Neuroimaging in dementia. Wiener Medizinische Wochenschrift, 2021, 171, 274-281.	1.1	5
71	How to predict the consistency and vascularity of meningiomas by MRI: an institutional experience. Neurological Research, 2021, 43, 693-699.	1.3	5
72	Glioblastoma Surgery Imagingâ€"Reporting and Data System: Standardized Reporting of Tumor Volume, Location, and Resectability Based on Automated Segmentations. Cancers, 2021, 13, 2854.	3.7	5

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73	An fMRI study of cognitive remediation in drug-naÃ¯ve subjects diagnosed with first episode schizophrenia. Wiener Klinische Wochenschrift, 2022, 134, 249-254.	1.9	5
74	CT colonography: size reduction of submerged colorectal polyps due to electronic cleansing and CT-window settings. European Radiology, 2018, 28, 4766-4774.	4.5	4
75	Diffusion tensor imaging of the normal-appearing deep gray matter in primary and secondary progressive multiple sclerosis. Acta Radiologica, 2020, 61, 85-92.	1.1	4
76	Timing of glioblastoma surgery and patient outcomes: a multicenter cohort study. Neuro-Oncology Advances, 2021, 3, vdab053.	0.7	4
77	Influence of temporal muscle thickness on the outcome of radiosurgically treated patients with brain metastases from nonâ€“small cell lung cancer. Journal of Neurosurgery, 2022, 137, 999-1005.	1.6	4
78	Type 2 Endoleaks: The Diagnostic Performance of Non-Specialized Readers on Arterial and Venous Phase Multi-Slice CT Angiography. PLoS ONE, 2016, 11, e0149725.	2.5	3
79	Sex-Specific Differences in Primary CNS Lymphoma. Cancers, 2020, 12, 1593.	3.7	3
80	Fetal Eye Movements on Magnetic Resonance Imaging. PLoS ONE, 2013, 8, e77439.	2.5	3
81	Influence of dexamethasone on visible 5-ALA fluorescence and quantitative protoporphyrin IX accumulation measured by fluorescence lifetime imaging in glioblastomas: is pretreatment obligatory before fluorescence-guided surgery?. Journal of Neurosurgery, 2022, 136, 1542-1550.	1.6	3
82	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
83	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
84	NIMG-01. INTEROBSERVER VARIABILITY OF THE REVISED IMAGING SCORECARD FOR LEPTOMENINGEAL METASTASIS: A JOINT EORTC BRAIN TUMOR GROUP AND RANO EFFORT. Neuro-Oncology, 2021, 23, vi126-vi127.	1.2	1
85	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
86	RARE-49. SEX-SPECIFIC SURVIVAL ANALYSIS IDENTIFIES DIFFERENTIAL CLUSTERS OF PROGNOSTIC RELEVANCE IN PATIENTS WITH PRIMARY CNS LYMPHOMA. Neuro-Oncology, 2019, 21, vi232-vi232.	1.2	0
87	BIMG-04. MAPPING HETEROGENEITY OF HIGH-GRADE GLIOMA METABOLISM USING HIGH RESOLUTION 7T MRSI. Neuro-Oncology Advances, 2021, 3, i1-i1.	0.7	0
88	Validation and revision of the RANO Leptomeningeal Metastasis Group scorecard for response assessment.. Journal of Clinical Oncology, 2019, 37, e13546-e13546.	1.6	0
89	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
90	NIMG-20. MULTI-HABITAT RADIOMICS UNRAVELS DISTINCT PHENOTYPIC SUBTYPES OF GLIOBLASTOMA WITH CLINICAL AND GENOMIC SIGNIFICANCE. Neuro-Oncology, 2020, 22, ii151-ii151.	1.2	0

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91	QOL-30. Positive Effects of a psychological preparation program for MRI in children with cognitive issues â€“ how to best meet the patientsâ€™ needs. Neuro-Oncology, 2022, 24, i140-i140.	1.2	0