

Philipp Kickingeder

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

85
papers

4,402
citations

36
h-index

66
g-index

90
ext. papers

5,506
ext. citations

6.7
avg, IF

5.57
L-index

#	Paper	IF	Citations
85	Deep-learning-based synthesis of post-contrast T1-weighted MRI for tumour response assessment in neuro-oncology: a multicentre, retrospective cohort study. <i>The Lancet Digital Health</i> , 2021 , 3, e784-e794	14.4	6
84	Dynamics of cerebral perfusion and oxygenation parameters following endovascular treatment of acute ischemic stroke. <i>Journal of NeuroInterventional Surgery</i> , 2021 ,	7.8	4
83	BIMG-22. DEEP LEARNING SUPER-RESOLUTION MR SPECTROSCOPIC IMAGING TO MAP TUMOR METABOLISM IN MUTANT IDH GLIOMA PATIENTS. <i>Neuro-Oncology Advances</i> , 2021 , 3, i5-i6	0.9	78
82	Diagnostic biomarkers from proteomic characterization of cerebrospinal fluid in patients with brain malignancies. <i>Journal of Neurochemistry</i> , 2021 , 158, 522-538	6	1
81	Improved risk stratification via integration of radiomics and dosiomics features in patients with recurrent high-grade glioma undergoing carbon ion radiotherapy (CIRT).. <i>Journal of Clinical Oncology</i> , 2021 , 39, 2043-2043	2.2	
80	Simulated clinical deployment of fully automatic deep learning for clinical prostate MRI assessment. <i>European Radiology</i> , 2021 , 31, 302-313	8	9
79	nnU-Net for Brain Tumor Segmentation. <i>Lecture Notes in Computer Science</i> , 2021 , 118-132	0.9	55
78	Continuous-Time Deep Glioma Growth Models. <i>Lecture Notes in Computer Science</i> , 2021 , 83-92	0.9	0
77	Response by Brugnara et al Regarding Article, "The Sense or Futility of Outcome Prediction in Acute Stroke for Endovascular Treatment Decision-Making". <i>Stroke</i> , 2021 , 52, e85-e86	6.7	
76	Optimal thresholds to predict long-term outcome after complete endovascular recanalization in acute anterior ischemic stroke. <i>Journal of NeuroInterventional Surgery</i> , 2021 , 13, 1124-1127	7.8	0
75	Tryptophan metabolism is inversely regulated in the tumor and blood of patients with glioblastoma. <i>Theranostics</i> , 2021 , 11, 9217-9233	12.1	1
74	Validation of diffusion MRI phenotypes for predicting response to bevacizumab in recurrent glioblastoma: post-hoc analysis of the EORTC-26101 trial. <i>Neuro-Oncology</i> , 2020 , 22, 1667-1676	1	4
73	Heterogeneity of response to immune checkpoint blockade in hypermutated experimental gliomas. <i>Nature Communications</i> , 2020 , 11, 931	17.4	57
72	Impact of slice thickness on clinical utility of automated Alberta Stroke Program Early Computed Tomography Scores. <i>European Radiology</i> , 2020 , 30, 3137-3145	8	6
71	Radiomics and Deep Learning from Research to Clinical Workflow: Neuro-Oncologic Imaging. <i>Korean Journal of Radiology</i> , 2020 , 21, 1126-1137	6.9	13
70	Advanced Physiologic Imaging: Perfusion Theory and Applications 2020 , 61-91		2
69	T2/FLAIR-mismatch sign for noninvasive detection of IDH-mutant 1p/19q non-codeleted gliomas: validity and pathophysiology. <i>Neuro-Oncology Advances</i> , 2020 , 2, vdaa004	0.9	14

68	Automated volumetric assessment with artificial neural networks might enable a more accurate assessment of disease burden in patients with multiple sclerosis. <i>European Radiology</i> , 2020 , 30, 2356-2364	8	6
67	Multimodal Predictive Modeling of Endovascular Treatment Outcome for Acute Ischemic Stroke Using Machine-Learning. <i>Stroke</i> , 2020 , 51, 3541-3551	6.7	18
66	Methylome analyses of three glioblastoma cohorts reveal chemotherapy sensitivity markers within DDR genes. <i>Cancer Medicine</i> , 2020 , 9, 8373-8385	4.8	7
65	Noninvasive Characterization of Tumor Angiogenesis and Oxygenation in Bevacizumab-treated Recurrent Glioblastoma by Using Dynamic Susceptibility MRI: Secondary Analysis of the European Organization for Research and Treatment of Cancer 26101 Trial. <i>Radiology</i> , 2020 , 297, 164-175	20.5	7
64	Glial Tumors and Primary CNS Lymphoma 2019 , 1-25		
63	Automated quantitative tumour response assessment of MRI in neuro-oncology with artificial neural networks: a multicentre, retrospective study. <i>Lancet Oncology</i> , 2019 , 20, 728-740	21.7	160
62	Automated brain extraction of multisequence MRI using artificial neural networks. <i>Human Brain Mapping</i> , 2019 , 40, 4952-4964	5.9	80
61	Glial Tumors and Primary CNS Lymphoma 2019 , 1051-1074		
60	Classification of Cancer at Prostate MRI: Deep Learning versus Clinical PI-RADS Assessment. <i>Radiology</i> , 2019 , 293, 607-617	20.5	109
59	Risk factors of intracranial hemorrhage after mechanical thrombectomy of anterior circulation ischemic stroke. <i>Neuroradiology</i> , 2019 , 61, 461-469	3.2	32
58	NIMG-02. NON-INVASIVE DETECTION OF IDH MUTANT 1p19q NON-CODELETED GLIOMAS USING THE T2-FLAIR MISMATCH SIGN. <i>Neuro-Oncology</i> , 2019 , 21, vi161-vi161	1	1
57	NIMG-09. NONINVASIVE PERFUSION IMAGING BIOMARKER OF MALIGNANT GENOTYPE IN ISOCITRATE DEHYDROGENASE MUTANT GLIOMAS. <i>Neuro-Oncology</i> , 2019 , 21, vi163-vi163	1	78
56	Can Virtual Contrast Enhancement in Brain MRI Replace Gadolinium?: A Feasibility Study. <i>Investigative Radiology</i> , 2019 , 54, 653-660	10.1	40
55	Radiomics, Metabolic, and Molecular MRI for Brain Tumors. <i>Seminars in Neurology</i> , 2018 , 38, 32-40	3.2	15
54	Radiomic subtyping improves disease stratification beyond key molecular, clinical, and standard imaging characteristics in patients with glioblastoma. <i>Neuro-Oncology</i> , 2018 , 20, 848-857	1	111
53	Radiologic progression of glioblastoma under therapy-an exploratory analysis of AVAglio. <i>Neuro-Oncology</i> , 2018 , 20, 557-566	1	16
52	Radiomic Machine Learning for Characterization of Prostate Lesions with MRI: Comparison to ADC Values. <i>Radiology</i> , 2018 , 289, 128-137	20.5	100
51	Voxel-wise radiogenomic mapping of tumor location with key molecular alterations in patients with glioma. <i>Neuro-Oncology</i> , 2018 , 20, 1517-1524	1	24

50	VXM01 phase I study in patients with progressive glioblastoma: Final results.. <i>Journal of Clinical Oncology</i> , 2018 , 36, 2017-2017	2.2	3
49	Brain Tumor Segmentation and Radiomics Survival Prediction: Contribution to the BRATS 2017 Challenge. <i>Lecture Notes in Computer Science</i> , 2018 , 287-297	0.9	158
48	Increased Delay Between Gadolinium Chelate Administration and T1-Weighted Magnetic Resonance Imaging Acquisition Increases Contrast-Enhancing Tumor Volumes and T1 Intensities in Brain Tumor Patients. <i>Investigative Radiology</i> , 2018 , 53, 223-228	10.1	2
47	ATIM-35. VXM01 PHASE I STUDY IN PATIENTS WITH PROGRESSIVE GLIOBLASTOMA [FINAL RESULTS. <i>Neuro-Oncology</i> , 2018 , 20, vi9-vi9	1	0
46	Assessment of tumor oxygenation and its impact on treatment response in bevacizumab-treated recurrent glioblastoma. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017 , 37, 485-494	7.3	28
45	Downfield-NOE-suppressed amide-CEST-MRI at 7 Tesla provides a unique contrast in human glioblastoma. <i>Magnetic Resonance in Medicine</i> , 2017 , 77, 196-208	4.4	82
44	Pediatric Brain: No Increased Signal Intensity in the Dentate Nucleus on Unenhanced T1-weighted MR Images after Consecutive Exposure to a Macrocyclic Gadolinium-based Contrast Agent. <i>Radiology</i> , 2017 , 283, 828-836	20.5	66
43	Prediction of malignancy by a radiomic signature from contrast agent-free diffusion MRI in suspicious breast lesions found on screening mammography. <i>Journal of Magnetic Resonance Imaging</i> , 2017 , 46, 604-616	5.6	87
42	Accuracy of 1H magnetic resonance spectroscopy for quantification of 2-hydroxyglutarate using linear combination and J-difference editing at 9.4T. <i>Zeitschrift Fur Medizinische Physik</i> , 2017 , 27, 300-309	7.6	2
41	Update on the diagnostic value and safety of stereotactic biopsy for pediatric brainstem tumors: a systematic review and meta-analysis of 735 cases. <i>Journal of Neurosurgery: Pediatrics</i> , 2017 , 20, 261-268	2.1	63
40	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	0.9	10
39	Diagnostic challenges in meningioma. <i>Neuro-Oncology</i> , 2017 , 19, 1588-1598	1	57
38	No Signal Intensity Increase in the Dentate Nucleus on Unenhanced T1-weighted MR Images after More than 20 Serial Injections of Macrocyclic Gadolinium-based Contrast Agents. <i>Radiology</i> , 2017 , 282, 699-707	20.5	85
37	Lateral cephalometric analysis for treatment planning in orthodontics based on MRI compared with radiographs: A feasibility study in children and adolescents. <i>PLoS ONE</i> , 2017 , 12, e0174524	3.7	28
36	Differentiation of pseudoprogression and real progression in glioblastoma using ADC parametric response maps. <i>PLoS ONE</i> , 2017 , 12, e0174620	3.7	30
35	Tumor Infiltration in Enhancing and Non-Enhancing Parts of Glioblastoma: A Correlation with Histopathology. <i>PLoS ONE</i> , 2017 , 12, e0169292	3.7	83
34	Brain Tumor Segmentation Using Large Receptive Field Deep Convolutional Neural Networks. <i>Informatik Aktuell</i> , 2017 , 86-91	0.3	17
33	Radiogenomics of Glioblastoma: Machine Learning-based Classification of Molecular Characteristics by Using Multiparametric and Multiregional MR Imaging Features. <i>Radiology</i> , 2016 , 281, 907-918	20.5	177

32	Large-scale Radiomic Profiling of Recurrent Glioblastoma Identifies an Imaging Predictor for Stratifying Anti-Angiogenic Treatment Response. <i>Clinical Cancer Research</i> , 2016 , 22, 5765-5771	12.9	173
31	Intraindividual Analysis of Signal Intensity Changes in the Dentate Nucleus After Consecutive Serial Applications of Linear and Macrocyclic Gadolinium-Based Contrast Agents. <i>Investigative Radiology</i> , 2016 , 51, 683-690	10.1	77
30	Radiomic Profiling of Glioblastoma: Identifying an Imaging Predictor of Patient Survival with Improved Performance over Established Clinical and Radiologic Risk Models. <i>Radiology</i> , 2016 , 280, 880-9 ^{20.5}	20.5	247
29	Clinical parameters outweigh diffusion- and perfusion-derived MRI parameters in predicting survival in newly diagnosed glioblastoma. <i>Neuro-Oncology</i> , 2016 , 18, 1673-1679	1	27
28	Prognostic value of combined visualization of MR diffusion and perfusion maps in glioblastoma. <i>Journal of Neuro-Oncology</i> , 2016 , 126, 463-72	4.8	18
27	MR Perfusion-derived Hemodynamic Parametric Response Mapping of Bevacizumab Efficacy in Recurrent Glioblastoma. <i>Radiology</i> , 2016 , 279, 542-52	20.5	43
26	Automatic Analysis of Cellularity in Glioblastoma and Correlation with ADC Using Trajectory Analysis and Automatic Nuclei Counting. <i>PLoS ONE</i> , 2016 , 11, e0160250	3.7	19
25	MR-Bildgebung bei Gliomen. <i>Neuroradiologie Scan</i> , 2016 , 06, 323-333	0.4	
24	Factors triggering an additional resection and determining residual tumor volume on intraoperative MRI: analysis from a prospective single-center registry of supratentorial gliomas. <i>Neurosurgical Focus</i> , 2016 , 40, E4	4.2	21
23	Response. <i>Radiology</i> , 2016 , 279, 324-5	20.5	3
22	Pseudoprogression in patients with glioblastoma: clinical relevance despite low incidence. <i>Neuro-Oncology</i> , 2015 , 17, 151-9	1	74
21	Relative cerebral blood volume is a potential predictive imaging biomarker of bevacizumab efficacy in recurrent glioblastoma. <i>Neuro-Oncology</i> , 2015 , 17, 1139-47	1	64
20	Evaluation of dynamic contrast-enhanced MRI derived microvascular permeability in recurrent glioblastoma treated with bevacizumab. <i>Journal of Neuro-Oncology</i> , 2015 , 121, 373-80	4.8	35
19	Gadolinium retention in the dentate nucleus and globus pallidus is dependent on the class of contrast agent. <i>Radiology</i> , 2015 , 275, 783-91	20.5	424
18	IDH mutation status is associated with a distinct hypoxia/angiogenesis transcriptome signature which is non-invasively predictable with rCBV imaging in human glioma. <i>Scientific Reports</i> , 2015 , 5, 16238 ^{4.9}	4.9	182
17	High-Signal Intensity in the Dentate Nucleus and Globus Pallidus on Unenhanced T1-Weighted Images: Evaluation of the Macrocyclic Gadolinium-Based Contrast Agent Gadobutrol. <i>Investigative Radiology</i> , 2015 , 50, 805-10	10.1	165
16	Increased Signal Intensity in the Dentate Nucleus on Unenhanced T1-Weighted Images After Gadobenate Dimeglumine Administration. <i>Investigative Radiology</i> , 2015 , 50, 743-8	10.1	136
15	Nuclear Overhauser Enhancement imaging of glioblastoma at 7 Tesla: region specific correlation with apparent diffusion coefficient and histology. <i>PLoS ONE</i> , 2015 , 10, e0121220	3.7	28

14	Asymmetry of deep medullary veins on susceptibility weighted MRI in patients with acute MCA stroke is associated with poor outcome. <i>PLoS ONE</i> , 2015 , 10, e0120801	3.7	39
13	Low-dose rate stereotactic iodine-125 brachytherapy for the treatment of inoperable primary and recurrent glioblastoma: single-center experience with 201 cases. <i>Journal of Neuro-Oncology</i> , 2014 , 120, 615-23	4.8	29
12	Quantification of tumor vessels in glioblastoma patients using time-of-flight angiography at 7 Tesla: a feasibility study. <i>PLoS ONE</i> , 2014 , 9, e110727	3.7	24
11	Evaluation of microvascular permeability with dynamic contrast-enhanced MRI for the differentiation of primary CNS lymphoma and glioblastoma: radiologic-pathologic correlation. <i>American Journal of Neuroradiology</i> , 2014 , 35, 1503-8	4.4	68
10	Primary central nervous system lymphoma and atypical glioblastoma: multiparametric differentiation by using diffusion-, perfusion-, and susceptibility-weighted MR imaging. <i>Radiology</i> , 2014 , 272, 843-50	20.5	110
9	Nuclear overhauser enhancement mediated chemical exchange saturation transfer imaging at 7 Tesla in glioblastoma patients. <i>PLoS ONE</i> , 2014 , 9, e104181	3.7	43
8	Brain Metastases: Treatment with Stereotactic Iodine-125 Brachytherapy. <i>Tumors of the Central Nervous System</i> , 2014 , 173-186		
7	BRAF V600E-specific immunohistochemistry for the exclusion of Lynch syndrome in MSI-H colorectal cancer. <i>International Journal of Cancer</i> , 2013 , 133, 1624-30	7.5	81
6	AKT1E17K mutations cluster with meningothelial and transitional meningiomas and can be detected by SFRP1 immunohistochemistry. <i>Acta Neuropathologica</i> , 2013 , 126, 757-62	14.3	69
5	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, 1721-31	1	19
4	Diagnostic value and safety of stereotactic biopsy for brainstem tumors: a systematic review and meta-analysis of 1480 cases. <i>Neurosurgery</i> , 2013 , 72, 873-81; discussion 882; quiz 882	3.2	65
3	Stereotactic iodine-125 brachytherapy for treatment of inoperable focal brainstem gliomas of WHO grades I and II: feasibility and long-term outcome. <i>Journal of Neuro-Oncology</i> , 2012 , 109, 273-83	4.8	25
2	Intracavitary brachytherapy using stereotactically applied phosphorus-32 colloid for treatment of cystic craniopharyngiomas in 53 patients. <i>Journal of Neuro-Oncology</i> , 2012 , 109, 365-74	4.8	35
1	Stereotactic biopsy combined with stereotactic (125)iodine brachytherapy for diagnosis and treatment of locally recurrent single brain metastases. <i>Journal of Neuro-Oncology</i> , 2011 , 105, 109-18	4.8	24