

Michael Gätz

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

3,600
citations

567144

15
h-index

580701

25
g-index

41
all docs

41
docs citations

41
times ranked

5598
citing authors

#	ARTICLE	IF	CITATIONS
1	The Image Biomarker Standardization Initiative: Standardized Quantitative Radiomics for High-Throughput Image-based Phenotyping. <i>Radiology</i> , 2020, 295, 328-338.	3.6	1,869
2	ISLES 2015 - A public evaluation benchmark for ischemic stroke lesion segmentation from multispectral MRI. <i>Medical Image Analysis</i> , 2017, 35, 250-269.	7.0	360
3	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, 880-889.	3.6	345
4	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.	3.2	230
5	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.	0.6	170
6	Radiomic Machine Learning for Characterization of Prostate Lesions with MRI: Comparison to ADC Values. <i>Radiology</i> , 2018, 289, 128-137.	3.6	162
7	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.	1.9	113
8	DALSA: Domain Adaptation for Supervised Learning From Sparsely Annotated MR Images. <i>IEEE Transactions on Medical Imaging</i> , 2016, 35, 184-196.	5.4	68
9	Development and Validation of an Automatic Segmentation Algorithm for Quantification of Intracerebral Hemorrhage. <i>Stroke</i> , 2016, 47, 2776-2782.	1.0	62
10	MITK Phenotyping: An open-source toolchain for image-based personalized medicine with radiomics. <i>Radiotherapy and Oncology</i> , 2019, 131, 108-111.	0.3	39
11	Correlation between genomic index lesions and mpMRI and 68Ga-PSMA-PET/CT imaging features in primary prostate cancer. <i>Scientific Reports</i> , 2018, 8, 16708.	1.6	27
12	Crowd-Algorithm Collaboration for Large-Scale Endoscopic Image Annotation with Confidence. <i>Lecture Notes in Computer Science</i> , 2016, , 616-623.	1.0	24
13	A Machine Learning Based Approach to Fiber Tractography Using Classifier Voting. <i>Lecture Notes in Computer Science</i> , 2015, , 45-52.	1.0	20
14	Physiological Parameter Estimation from Multispectral Images Unleashed. <i>Lecture Notes in Computer Science</i> , 2017, , 134-141.	1.0	16
15	Combining Deep Learning and Radiomics for Automated, Objective, Comprehensive Bone Marrow Characterization From Whole-Body MRI. <i>Investigative Radiology</i> , 2022, 57, 752-763.	3.5	16
16	Optimal Statistical Incorporation of Independent Feature Stability Information into Radiomics Studies. <i>Scientific Reports</i> , 2020, 10, 737.	1.6	15
17	MiMSeg - an algorithm for automated detection of tumor tissue on NMR apparent diffusion coefficient maps.. <i>Information Sciences</i> , 2017, 384, 235-248.	4.0	14
18	Deep Neural Networks and Machine Learning Radiomics Modelling for Prediction of Relapse in Mantle Cell Lymphoma. <i>Cancers</i> , 2022, 14, 2008.	1.7	14

#	ARTICLE	IF	CITATIONS
19	Toward cognitive pipelines of medical assistance algorithms. International Journal of Computer Assisted Radiology and Surgery, 2016, 11, 1743-1753.	1.7	7
20	Early postoperative delineation of residual tumor after low-grade glioma resection by probabilistic quantification of diffusion-weighted imaging. Journal of Neurosurgery, 2019, 130, 2016-2024.	0.9	6
21	Pre-examinations Improve Automated Metastases Detection on Cranial MRI. Investigative Radiology, 2021, 56, 320-327.	3.5	5
22	Analysis of Mitral Valve Motion in 4D Transesophageal Echocardiography for Transcatheter Aortic Valve Implantation. Lecture Notes in Computer Science, 2015, , 168-176.	1.0	4
23	Longitudinal CT Imaging to Explore the Predictive Power of 3D Radiomic Tumour Heterogeneity in Precise Imaging of Mantle Cell Lymphoma (MCL). Cancers, 2022, 14, 393.	1.7	4
24	A learning-based, fully automatic liver tumor segmentation pipeline based on sparsely annotated training data. , 2016, , .		3
25	P-018: Automatic analysis of magnetic resonance imaging in multiple myeloma patients: deep-learning based pelvic bone marrow segmentation and radiomics analysis for prediction of plasma cell infiltration. Clinical Lymphoma, Myeloma and Leukemia, 2021, 21, S49.	0.2	3
26	Machine-learning based comparison of CT-perfusion maps and dual energy CT for pancreatic tumor detection. , 2016, , .		2
27	Automatisierung von Vorverarbeitungsschritten für medizinische Bilddaten mit semantischen Technologien. Informatik Aktuell, 2015, , 263-268.	0.4	2
28	Input Data Adaptive Learning (IDAL) for Sub-acute Ischemic Stroke Lesion Segmentation. Lecture Notes in Computer Science, 2016, , 284-295.	1.0	0
29	OS4.6 Large-scale radiomic profiling of recurrent glioblastoma identifies an imaging predictor for stratifying anti-angiogenic treatment response. Neuro-Oncology, 2016, 18, iv10-iv10.	0.6	0
30	PD47-04 CORRELATION BETWEEN GENOMIC INDEX LESIONS, MULTI-PARAMETRIC MRI AND 68GA-PSMA-PET/CT IMAGING FEATURES IN PRIMARY PROSTATE CANCER. Journal of Urology, 2018, 199, .	0.2	0
31	Überwachtes Lernen zur Prädiktion von Tumorwachstum. Informatik Aktuell, 2015, , 473-478.	0.4	0
32	Automatische Tumorsegmentierung mit spärlich annotierter Lernbasis. Informatik Aktuell, 2015, , 486-491.	0.4	0
33	Fallspezifisches Lernen zur automatischen Läsionssegmentierung in multimodalen MR-Bildern. Informatik Aktuell, 2016, , 62-67.	0.4	0
34	Training mit positiven und unannotierten Daten für automatische Voxelklassifikation. Informatik Aktuell, 2017, , 237-242.	0.4	0
35	Bi-institutioneller Vergleich manueller mit automatisch durch ein Adversarial Neural Network erstellten Prostatasegmentationen. RoFo Fortschritte Auf Dem Gebiet Der Röntgenstrahlen Und Der Bildgebenden Verfahren, 2018, 190, .	0.7	0