

Sarthak Pati

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

2,972
citations

687220

13
h-index

713332

21
g-index

22
all docs

22
docs citations

22
times ranked

3901
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	Federated learning in medicine: facilitating multi-institutional collaborations without sharing patient data. <i>Scientific Reports</i> , 2020, 10, 12598.	1.6	509
3	Cancer imaging phenomics toolkit: quantitative imaging analytics for precision diagnostics and predictive modeling of clinical outcome. <i>Journal of Medical Imaging</i> , 2018, 5, 1.	0.8	110
4	ANHIR: Automatic Non-Rigid Histological Image Registration Challenge. <i>IEEE Transactions on Medical Imaging</i> , 2020, 39, 3042-3052.	5.4	75
5	GLISTRboost: Combining Multimodal MRI Segmentation, Registration, and Biophysical Tumor Growth Modeling with Gradient Boosting Machines for Glioma Segmentation. <i>Lecture Notes in Computer Science</i> , 2016, , 144-155.	1.0	61
6	Standardization in Quantitative Imaging: A Multicenter Comparison of Radiomic Features from Different Software Packages on Digital Reference Objects and Patient Data Sets. <i>Tomography</i> , 2020, 6, 118-128.	0.8	61
7	Brain Lesions, Introduction. <i>Lecture Notes in Computer Science</i> , 2016, 9556, 1-5.	1.0	48
8	Brain extraction on MRI scans in presence of diffuse glioma: Multi-institutional performance evaluation of deep learning methods and robust modality-agnostic training. <i>NeuroImage</i> , 2020, 220, 117081.	2.1	35
9	The Cancer Imaging Phenomics Toolkit (CaPTk): Technical Overview. <i>Lecture Notes in Computer Science</i> , 2020, 11993, 380-394.	1.0	34
10	Brain Cancer Imaging Phenomics Toolkit (brain-CaPTk): An Interactive Platform for Quantitative Analysis of Glioblastoma. <i>Lecture Notes in Computer Science</i> , 2018, 10670, 133-145.	1.0	32
11	Segmentation of Gliomas in Pre-operative and Post-operative Multimodal Magnetic Resonance Imaging Volumes Based on a Hybrid Generative-Discriminative Framework. <i>Lecture Notes in Computer Science</i> , 2016, 10154, 184-194.	1.0	27
12	Cancer Imaging Phenomics via CaPTk: Multi-Institutional Prediction of Progression-Free Survival and Pattern of Recurrence in Glioblastoma. <i>JCO Clinical Cancer Informatics</i> , 2020, 4, 234-244.	1.0	26
13	Reproducibility analysis of multi-institutional paired expert annotations and radiomic features of the Ivy Glioblastoma Atlas Project (Ivy GAP) dataset. <i>Medical Physics</i> , 2020, 47, 6039-6052.	1.6	25
14	Multi-institutional noninvasive in vivo characterization of IDH1, 1p/19q, and EGFRvIII in glioma using neuro-Cancer Imaging Phenomics Toolkit (neuro-CaPTk). <i>Neuro-Oncology Advances</i> , 2020, 2, iv22-iv34.	0.4	12
15	Skull-Stripping of Glioblastoma MRI Scans Using 3D Deep Learning. <i>Lecture Notes in Computer Science</i> , 2020, 11992, 57-68.	1.0	11
16	Accurate pose estimation using single marker single camera calibration system. <i>Proceedings of SPIE</i> , 2013, , .	0.8	10
17	Accurate and Robust Alignment of Differently Stained Histologic Images Based on Greedy Diffeomorphic Registration. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 1892.	1.3	8
18	Locomotion classification using EMG signal. , 2010, , .		6

#	ARTICLE	IF	CITATIONS
19	Classification of Infection and Ischemia in Diabetic Foot Ulcers Using VGG Architectures. Lecture Notes in Computer Science, 2022, 13183, 76-89.	1.0	6
20	Interactive Machine Learning-Based Multi-Label Segmentation of Solid Tumors and Organs. Applied Sciences (Switzerland), 2021, 11, 7488.	1.3	5
21	Estimating Glioblastoma Biophysical Growth Parameters Using Deep Learning Regression. Lecture Notes in Computer Science, 2021, 12658, 157-167.	1.0	1
22	TMOD-09. GLIOBLASTOMA BIOPHYSICAL GROWTH ESTIMATION USING DEEP LEARNING-BASED REGRESSION. Neuro-Oncology, 2020, 22, ii229-ii229.	0.6	1