Yunfei Zha

List of Publications by Year
in descending order

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		687363	434195
37	2,428	13	31
papers	citations	h-index	g-index

38	38	38	3727
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Clinically Applicable AI System for Accurate Diagnosis, Quantitative Measurements, and Prognosis of COVID-19 Pneumonia Using Computed Tomography. Cell, 2020, 181, 1423-1433.e11.	28.9	638
2	Deep Learning Enables Accurate Diagnosis of Novel Coronavirus (COVID-19) With CT Images. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2021, 18, 2775-2780.	3.0	531
3	A fully automatic deep learning system for COVID-19 diagnostic and prognostic analysis. European Respiratory Journal, 2020, 56, 2000775.	6.7	395
4	Deep learning-based multi-view fusion model for screening 2019 novel coronavirus pneumonia: A multicentre study. European Journal of Radiology, 2020, 128, 109041.	2.6	201
5	Lactate dehydrogenase, an independent risk factor of severe COVID-19 patients: a retrospective and observational study. Aging, 2020, 12, 11245-11258.	3.1	184
6	Radiomics Analysis of Computed Tomography helps predict poor prognostic outcome in COVID-19. Theranostics, 2020, 10, 7231-7244.	10.0	84
7	Dynamic Contrast Enhanced Magnetic Resonance Imaging of Diffuse Spinal Bone Marrow Infiltration in Patients with Hematological Malignancies. Korean Journal of Radiology, 2010, 11, 187.	3.4	32
8	Fully automatic liver segmentation combining multi-dimensional graph cut with shape information in 3D CT images. Scientific Reports, 2018, 8, 10700.	3.3	27
9	Evaluation of pulmonary sequestration with multidetector computed tomography angiography in a select cohort of patients: A retrospective study. Clinics, 2016, 71, 392-398.	1.5	24
10	Predictive Value of Temporal Muscle Thickness Measurements on Cranial Magnetic Resonance Images in the Prognosis of Patients With Primary Glioblastoma. Frontiers in Neurology, 2020, 11, 523292.	2.4	20
11	Accurately Discriminating COVID-19 from Viral and Bacterial Pneumonia According to CT Images Via Deep Learning. Interdisciplinary Sciences, Computational Life Sciences, 2021, 13, 273-285.	3.6	19
12	Development and multicenter validation of a CT-based radiomics signature for predicting severe COVID-19 pneumonia. European Radiology, 2021, 31, 7901-7912.	4.5	18
13	Abnormal intrinsic functional activity in patients with cervical spondylotic myelopathy a resting state fMRI study . Neuropsychiatric Disease and Treatment, 2019, Volume 15, 2371-2383.	2.2	17
14	Quantitative Aortic Distensibility Measurement Using CT in Patients with Abdominal Aortic Aneurysm: Reproducibility and Clinical Relevance. BioMed Research International, 2017, 2017, 1-9.	1.9	14
15	Altered Topological Properties of Brain Structural Covariance Networks in Patients With Cervical Spondylotic Myelopathy. Frontiers in Human Neuroscience, 2020, 14, 364.	2.0	11
16	Feasibility of ASL spinal bone marrow perfusion imaging with optimized inversion time. Journal of Magnetic Resonance Imaging, 2015, 42, 1314-1320.	3.4	10
17	A coarseâ€refine segmentation network for COVIDâ€19 CT images. IET Image Processing, 2022, 16, 333-343.	2.5	8
18	Radiomics analysis enables fatal outcome prediction for hospitalized patients with coronavirus disease 2019 (COVID-19). Acta Radiologica, 2021, , 028418512199469.	1.1	6

#	Article	IF	Citations
19	Synthesizing High-b-Value Diffusion-weighted Imaging of the Prostate Using Generative Adversarial Networks. Radiology: Artificial Intelligence, 2021, 3, e200237.	5.8	6
20	A comparative study of diffusion kurtosis imaging and T2* mapping in quantitative detection of lumbar intervertebral disk degeneration. European Spine Journal, 2019, 28, 2169-2178.	2.2	5
21	Nonrigid registration with corresponding points constraint for automatic segmentation of cardiac DSCT images. BioMedical Engineering OnLine, 2017, 16, 39.	2.7	4
22	Posterior reversible encephalopathy syndrome complicated with subarachnoid hemorrhage in an eclamptic pregnant patient: case report. BMC Neurology, 2018, 18, 182.	1.8	4
23	Three-dimensional nonrigid registration and fusion for image-guided surgery navigation system. , 2010, , .		3
24	Correlation between epicardial adipose tissue and severity of coronary artery stenosis evaluated by 64-MDCT. Clinical Imaging, 2016, 40, 477-480.	1.5	3
25	Feature-Based Deformable Registration Using Minimal Spanning Tree for Prostate MR Segmentation. IEEE Access, 2019, 7, 138645-138656.	4.2	3
26	Evaluation of microvascular permeability of skeletal muscle and texture analysis based on DCE-MRI in alloxan-induced diabetic rabbits. European Radiology, 2021, 31, 5669-5679.	4.5	3
27	Effect of radiotherapy and chemotherapy on levels of serum S100B, IL-6, and IL-17 in patients with malignant glioma. European Journal of Inflammation, 2018, 16, 205873921880432.	0.5	2
28	3D UTE bicomponent imaging of cortical bone using a softâ€“hard composite pulse for excitation. Magnetic Resonance in Medicine, 2021, 85, 1581-1589.	3.0	2
29	3-T MRI in Patients who Received Anterior Cervical Discectomy and Fusion Surgery with MAVRIC SL IR Sequence: A Feasibility Study. Combinatorial Chemistry and High Throughput Screening, 2022, 25, 1024-1030.	1.1	2
30	Freezing of Gait in Multiple System Atrophy. Frontiers in Aging Neuroscience, 2022, 14, 833287.	3.4	2
31	Nonrigid Registration Regularized by Shape Information: Application to Atlas Construction of Cardiac CT Images. PLoS ONE, 2015, 10, e0130730.	2.5	1
32	Selective information passing for MR/CT image segmentation. Neural Computing and Applications, 2020, , 1.	5.6	1
33	Magnetic Resonance Imaging (MRI) Differential Diagnosis of Meningiomas Using ANOVA. Contrast Media and Molecular Imaging, 2021, 2021, 1-8.	0.8	1
34	Relationship between lung injury extent and phenotype manifested in non-contrast CT and cardiac injury during acute stage of COVID-19. IJC Heart and Vasculature, 2022, 38, 100938.	1.1	0
35	Microvascular Permeability and Texture Analysis of the Skeletal Muscle of Diabetic Rabbits With Critical Limb Ischaemia Based on DCE-MRI. Frontiers in Endocrinology, 2022, 13, 783163.	3.5	0
36	Evaluation of Bone Marrow Texture and Trabecular Changes With Quantitative DCE-MRI and QCT in Alloxan-Induced Diabetic Rabbit Models. Frontiers in Endocrinology, 2021, 12, 785604.	3.5	0

#	Article	IF	Citations
37	Two-stage hybrid network for segmentation of COVID-19 pneumonia lesions in CT images: a multicenter study. Medical and Biological Engineering and Computing, 0, , .	2.8	0