

Zhi-Cheng Li

List of Publications by Year in descending order

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papers

2,676
citations

257101

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197535

49
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all docs

99
docs citations

99
times ranked

3880
citing authors

#	ARTICLE	IF	CITATIONS
1	A Deep Learning-Based Radiomics Model for Prediction of Survival in Glioblastoma Multiforme. Scientific Reports, 2017, 7, 10353.	1.6	432
2	Visual attention guided bit allocation in video compression. Image and Vision Computing, 2011, 29, 1-14.	2.7	191
3	Saliency and Gist Features for Target Detection in Satellite Images. IEEE Transactions on Image Processing, 2011, 20, 2017-2029.	6.0	167
4	Deep Learning vs. Radiomics for Predicting Axillary Lymph Node Metastasis of Breast Cancer Using Ultrasound Images: Don't Forget the Peritumoral Region. Frontiers in Oncology, 2020, 10, 53.	1.3	146
5	Multiregional radiomics features from multiparametric MRI for prediction of MGMT methylation status in glioblastoma multiforme: A multicentre study. European Radiology, 2018, 28, 3640-3650.	2.3	131
6	Generative Adversarial Networks in Medical Image augmentation: A review. Computers in Biology and Medicine, 2022, 144, 105382.	3.9	118
7	Comparison of Transferred Deep Neural Networks in Ultrasonic Breast Masses Discrimination. BioMed Research International, 2018, 2018, 1-9.	0.9	107
8	A Fully-Automatic Multiparametric Radiomics Model: Towards Reproducible and Prognostic Imaging Signature for Prediction of Overall Survival in Glioblastoma Multiforme. Scientific Reports, 2017, 7, 14331.	1.6	101
9	Differentiation of clear cell and non-clear cell renal cell carcinomas by all-relevant radiomics features from multiphase CT: a VHL mutation perspective. European Radiology, 2019, 29, 3996-4007.	2.3	78
10	One-pot hydrothermal synthesized MoO ₂ with high reversible capacity for anode application in lithium ion battery. Electrochimica Acta, 2013, 102, 429-435.	2.6	77
11	Multiregional radiomics profiling from multiparametric MRI: Identifying an imaging predictor of IDH1 mutation status in glioblastoma. Cancer Medicine, 2018, 7, 5999-6009.	1.3	72
12	Stability analysis and controller synthesis of discrete-time switched systems with time delay. Systems and Control Letters, 2014, 66, 85-93.	1.3	69
13	Highly Efficient LaCoO ₃ Nanofibers Catalysts for Photocatalytic Degradation of Rhodamine B. Journal of the American Ceramic Society, 2010, 93, 3587-3590.	1.9	59
14	High electrochemical performance and phase evolution of magnetron sputtered MoO ₂ thin films with hierarchical structure for Li-ion battery electrodes. Journal of Materials Chemistry A, 2014, 2, 4714-4721.	5.2	49
15	Gencore: an efficient tool to generate consensus reads for error suppressing and duplicate removing of NGS data. BMC Bioinformatics, 2019, 20, 606.	1.2	43
16	Iterative image-domain ring artifact removal in cone-beam CT. Physics in Medicine and Biology, 2017, 62, 5276-5292.	1.6	42
17	Combining DWI radiomics features with transurethral resection promotes the differentiation between muscle-invasive bladder cancer and non-muscle-invasive bladder cancer. European Radiology, 2020, 30, 1804-1812.	2.3	41
18	Cluster Randomized Controlled Trial of An Aged Care Specific Leadership and Management Program to Improve Work Environment, Staff Turnover, and Care Quality. Journal of the American Medical Directors Association, 2015, 16, 629.e19-629.e28.	1.2	40

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19	Biologic Pathways Underlying Prognostic Radiomics Phenotypes from Paired MRI and RNA Sequencing in Glioblastoma. <i>Radiology</i> , 2021, 301, 654-663.	3.6	38
20	Dynamic Propagation Channel Characterization and Modeling for Human Body Communication. <i>Sensors</i> , 2012, 12, 17569-17587.	2.1	35
21	Radiomic Features From Multi-Parameter MRI Combined With Clinical Parameters Predict Molecular Subgroups in Patients With Medulloblastoma. <i>Frontiers in Oncology</i> , 2020, 10, 558162.	1.3	34
22	A computational toolset for rapid identification of SARS-CoV-2, other viruses and microorganisms from sequencing data. <i>Briefings in Bioinformatics</i> , 2021, 22, 924-935.	3.2	34
23	Variants in <i>ANRIL</i> gene correlated with its expression contribute to myocardial infarction risk. <i>Oncotarget</i> , 2017, 8, 12607-12619.	0.8	34
24	Deep learning features from diffusion tensor imaging improve glioma stratification and identify risk groups with distinct molecular pathway activities. <i>EBioMedicine</i> , 2021, 72, 103583.	2.7	31
25	Modeling and Analysis of Distortion Caused by Markov-Model Burst Packet Losses in Video Transmission. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2009, 19, 917-931.	5.6	30
26	Experiment on sealing efficiency of carbon fiber composite grout under flowing conditions. <i>Construction and Building Materials</i> , 2018, 182, 43-51.	3.2	27
27	Genetic Biomarkers For Hepatocellular Carcinoma In The Era Of Precision Medicine; Journal of Hepatocellular Carcinoma, 2019, Volume 6, 151-166.	1.8	25
28	Incremental prognostic value and underlying biological pathways of radiomics patterns in medulloblastoma. <i>EBioMedicine</i> , 2020, 61, 103093.	2.7	23
29	Supine Lithotomy versus Prone Position in Minimally Invasive Percutaneous Nephrolithotomy for Upper Urinary Tract Calculi. <i>Urologia Internationalis</i> , 2013, 91, 320-325.	0.6	22
30	Electrical properties of hexagonal $\text{BaTi}_{1-x}\text{Fe}_x\text{O}_3$ ($x=0.1, 0.2, 0.3$) ceramics with NTC effect. <i>Journal of Materials Science: Materials in Electronics</i> , 2012, 23, 1306-1312.	1.1	20
31	Non-ideal iris segmentation using anisotropic diffusion. <i>IET Image Processing</i> , 2013, 7, 111-120.	1.4	18
32	Microstructure evolution of Li uptake/removal in MoO_2/C nanoparticles with high lithium storage performance. <i>Materials Research Bulletin</i> , 2014, 50, 95-102.	2.7	18
33	Deepening our Understanding of Quality in Australia (DUQuA): a study protocol for a nationwide, multilevel analysis of relationships between hospital quality management systems and patient factors. <i>BMJ Open</i> , 2015, 5, e010349.	0.8	18
34	Dual-region radiomics signature: Integrating primary tumor and lymph node computed tomography features improves survival prediction in esophageal squamous cell cancer. <i>Computer Methods and Programs in Biomedicine</i> , 2021, 208, 106287.	2.6	18
35	Augmenting intraoperative ultrasound with preoperative magnetic resonance planning models for percutaneous renal access. <i>BioMedical Engineering OnLine</i> , 2012, 11, 60.	1.3	17
36	A vessel segmentation method for multi-modality angiographic images based on multi-scale filtering and statistical models. <i>BioMedical Engineering OnLine</i> , 2016, 15, 120.	1.3	17

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37	Radiomics nomogram for preoperative prediction of progression-free survival using diffusion-weighted imaging in patients with muscle-invasive bladder cancer. <i>European Journal of Radiology</i> , 2020, 131, 109219.	1.2	17
38	Automatic image-domain Moiré artifact reduction method in grating-based x-ray interferometry imaging. <i>Physics in Medicine and Biology</i> , 2019, 64, 195013.	1.6	16
39	Video Quality in Transmission over Burst-Loss Channels: A Forward Error Correction Perspective. <i>IEEE Communications Letters</i> , 2011, 15, 238-240.	2.5	15
40	An optical tracker based robot registration and servoing method for ultrasound guided percutaneous renal access. <i>BioMedical Engineering OnLine</i> , 2013, 12, 47.	1.3	15
41	Understanding the influence of alendronate on the morphology and phase transformation of apatitic precursor nanocrystals. <i>Journal of Inorganic Biochemistry</i> , 2012, 113, 1-8.	1.5	14
42	Validation of CT radiomics for prediction of distant metastasis after surgical resection in patients with clear cell renal cell carcinoma: exploring the underlying signaling pathways. <i>European Radiology</i> , 2021, 31, 5032-5040.	2.3	14
43	Radiomics and Qualitative Features From Multiparametric MRI Predict Molecular Subtypes in Patients With Lower-Grade Glioma. <i>Frontiers in Oncology</i> , 2021, 11, 756828.	1.3	12
44	Older, vulnerable patient view: a pilot and feasibility study of the patient measure of safety (PMOS) with patients in Australia. <i>BMJ Open</i> , 2016, 6, e011069.	0.8	10
45	Enhancing the X-Ray Differential Phase Contrast Image Quality With Deep Learning Technique. <i>IEEE Transactions on Biomedical Engineering</i> , 2021, 68, 1751-1758.	2.5	10
46	Deep Learning Radiomics to Predict PTEN Mutation Status From Magnetic Resonance Imaging in Patients With Glioma. <i>Frontiers in Oncology</i> , 2021, 11, 734433.	1.3	10
47	Glioma survival prediction from whole-brain MRI without tumor segmentation using deep attention network: a multicenter study. <i>European Radiology</i> , 2022, 32, 5719-5729.	2.3	10
48	Dynamic end-to-end optimization for quality of transmission in reconfigurable transparent optical networks. <i>Journal of Optical Networking</i> , 2008, 7, 573.	2.5	9
49	Predicting 1p/19q co-deletion status from magnetic resonance imaging using deep learning in adult-type diffuse lower-grade gliomas: a discovery and validation study. <i>Laboratory Investigation</i> , 2022, 102, 154-159.	1.7	8
50	Ultrasound-based surgical navigation for percutaneous renal intervention: In vivo measurements and in vitro assessment. , 2011, , .		7
51	3D Deep Attention Network for Survival Prediction from Magnetic Resonance Images in Glioblastoma. , 2019, , .		7
52	DeepPhase: Learning phase contrast signal from dual energy X-ray absorption images. <i>Displays</i> , 2021, 69, 102027.	2.0	7
53	Modeling of distortion caused by Markov-model burst packet losses in video transmission. , 2009, , .		6
54	Synthesis of a Micro-Crosslinked Polyacrylamide Flocculant and Its Application in Treatment of Oily Produced Water. <i>Energy & Fuels</i> , 2021, 35, 18396-18405.	2.5	6

#	ARTICLE	IF	CITATIONS
55	Segmentation of kidneys from computed tomography using 3D fast GrowCut algorithm. , 2013, , .		5
56	Phase evolution of magnetron sputtered nanostructured ATO on grid during lithiationâ€“delithiation processes as model electrodes for Li-ion battery. Physical Chemistry Chemical Physics, 2014, 16, 5056.	1.3	5
57	A Multiple-Hop Synchronization Protocol with Packet Reconstitution. , 2010, , .		3
58	Development and evaluation of ultrasound-based surgical navigation system for percutaneous renal interventions. , 2011, , .		3
59	Segmentation of Kidneys from Computed Tomography Using 3D Fast GrowCut Algorithm. Applied Mechanics and Materials, 2013, 333-335, 1145-1150.	0.2	3
60	Resource allocation with beamforming technique for MDC multicast in OFDM-based CRNs. , 2014, , .		3
61	Evaluation of reconstruction algorithms for a stationary digital breast tomosynthesis system using a carbon nanotube X-ray source array. Journal of X-Ray Science and Technology, 2020, 28, 1157-1169.	0.7	3
62	A hardware design on node in transport MPLS packet network based on FPGA. , 2007, , .		2
63	Efficient rate control scheme for low bit rate H.264/AVC video coding. Journal of China Universities of Posts and Telecommunications, 2009, 16, 103-107.	0.8	2
64	Optimized FEC based on distortion model for MVC streaming. , 2010, , .		2
65	Three dimensional ultrasound guided percutaneous renal puncture: A phantom study. , 2012, , .		2
66	Evaluation of 3D correspondence methods for building point distribution models of the kidney. , 2012, , .		2
67	Realization of spatial compliant virtual fixture using eigenscrews. , 2012, 2012, 1506-9.		2
68	Augmented reality using 3D shape model for ultrasound-guided percutaneous renal access: A pig model study. , 2014, , .		2
69	Augmenting interventional ultrasound using statistical shape model for guiding percutaneous nephrolithotomy: Initial evaluation in pigs. Neurocomputing, 2014, 144, 58-69.	3.5	2
70	A Comparative Study of CNN-Based Super-Resolution Methods in MRI Reconstruction. , 2019, , .		2
71	Edge-aware Local Laplacian Filters for Medical X-Ray Image Enhancement. Lecture Notes in Computer Science, 2016, , 102-108.	1.0	2
72	Facile method for investigating electrochemically induced products in films deposited directly on grids as working electrodes. Materials Letters, 2015, 157, 1-3.	1.3	1

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73	Clustering of MRI Radiomics Features for Glioblastoma Multiforme: An Initial Study. Lecture Notes in Computer Science, 2016, , 311-319.	1.0	1
74	Identifying a radiomics imaging signature for prediction of overall survival in glioblastoma multiforme. , 2017, , .		1
75	Effect of Osmotic Pressure on Migration Behavior of nZnO in GCLs. Advances in Civil Engineering, 2018, 2018, 1-9.	0.4	1
76	Towards an Interpretable Radiomics Model for Classifying Renal Cell Carcinomas Subtypes: A Radiogenomics Assessment. , 2019, , .		1
77	3D Deep Residual Encoder-Decoder CNNs with Squeeze-and-Excitation for Brain Tumor Segmentation. Lecture Notes in Computer Science, 2020, , 234-243.	1.0	1
78	Identification of a Qualitative Signature for the Diagnosis of Dementia With Lewy Bodies. Frontiers in Genetics, 2021, 12, 758103.	1.1	1
79	Carrier class metro ethernet services over T-MPLS packet transport network. , 2007, , .		0
80	Modeling of distortion for arbitrary packet loss patterns in video transmission. , 2008, , .		0
81	Low delay and high quality scheme for H.264 video transmission. , 2008, , .		0
82	Research on INS/terrestrial Pseudo-Range Integrated Navigation. , 2010, , .		0
83	Perceptual quality optimized FEC for video streaming. , 2010, , .		0
84	A pilot study on simulation of Ultrasound from MRI using ray-based model. , 2012, , .		0
85	Registration of Magnetic Resonance and 3D Ultrasound for Renal Intervention. , 2012, , .		0
86	Accurate kidney surface reconstruction from 3D ultrasonography for volume assessment: First clinical evaluation. , 2015, 2015, 2981-4.		0
87	Automatic Extraction of MRI Radiomics Features in Glioblastoma Multiforme: A Reproducibility Evaluation. , 2017, , .		0
88	NIMG-14. MULTIREGIONAL RADIOMICS PROFILING FROM MULTIPARAMETRIC MRI: IDENTIFYING AN IMAGING PREDICTOR OF IDH1 MUTATION STATUS IN GLIOBLASTOMA MULTIFORME. Neuro-Oncology, 2018, 20, vi178-vi178.	0.6	0
89	GaLNet: Weakly-Supervised Learning for Evidence-Based Tumor Grading and Localization in MR Imaging. Communications in Computer and Information Science, 2021, , 249-258.	0.4	0
90	1D Infrared Camera Distortion Based on Polynomial Model. , 2012, , .		0

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91	Radiomic Features from Multi-Modal MRI Combined with Clinical Parameters Predict Molecular Subgroups in Patients with Medulloblastoma. SSRN Electronic Journal, 0, , .	0.4	0