

# Tao Peng

## List of Publications by Year in descending order

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19  
papers

271  
citations

933447

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h-index

996975

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g-index

19  
all docs

19  
docs citations

19  
times ranked

75  
citing authors

#	ARTICLE	IF	CITATIONS
1	Detection of Lung Contour with Closed Principal Curve and Machine Learning. Journal of Digital Imaging, 2018, 31, 520-533.	2.9	36
2	Segmentation of Lung in Chest Radiographs Using Hull and Closed Polygonal Line Method. IEEE Access, 2019, 7, 137794-137810.	4.2	35
3	A-LugSeg: Automatic and explainability-guided multi-site lung detection in chest X-ray images. Expert Systems With Applications, 2022, 198, 116873.	7.6	25
4	Deep Belief Network and Closed Polygonal Line for Lung Segmentation in Chest Radiographs. Computer Journal, 2022, 65, 1107-1128.	2.4	23
5	Multi-Organ Omics-Based Prediction for Adaptive Radiation Therapy Eligibility in Nasopharyngeal Carcinoma Patients Undergoing Concurrent Chemoradiotherapy. Frontiers in Oncology, 2021, 11, 792024.	2.8	22
6	Hybrid Automatic Lung Segmentation on Chest CT Scans. IEEE Access, 2020, 8, 73293-73306.	4.2	20
7	H-ProSeg: Hybrid ultrasound prostate segmentation based on explainability-guided mathematical model. Computer Methods and Programs in Biomedicine, 2022, 219, 106752.	4.7	20
8	H-ProMed: Ultrasound image segmentation based on the evolutionary neural network and an improved principal curve. Pattern Recognition, 2022, 131, 108890.	8.1	18
9	H-SegNet: hybrid segmentation network for lung segmentation in chest radiographs using mask region-based convolutional neural network and adaptive closed polyline searching method. Physics in Medicine and Biology, 2022, 67, 075006.	3.0	14
10	H-SegMed: A Hybrid Method for Prostate Segmentation in TRUS Images via Improved Closed Principal Curve and Improved Enhanced Machine Learning. International Journal of Computer Vision, 2022, 130, 1896-1919.	15.6	12
11	Parameter Estimation for PMSM based on a Back Propagation Neural Network Optimized by Chaotic Artificial Fish Swarm Algorithm. International Journal of Computers, Communications and Control, 2020, 14, 615.	1.8	9
12	A Multi-Center Study of CT-Based Neck Nodal Radiomics for Predicting an Adaptive Radiotherapy Trigger of Ill-Fitted Thermoplastic Masks in Patients with Nasopharyngeal Carcinoma. Life, 2022, 12, 241.	2.4	9
13	Interpretable Mathematical Model-guided Ultrasound Prostate Contour Extraction Using Data Mining Techniques. , 2021, , .		7
14	Semi-Automatic Prostate Segmentation From Ultrasound Images Using Machine Learning and Principal Curve Based on Interpretable Mathematical Model Expression. Frontiers in Oncology, 0, 12, .	2.8	7
15	Lung contour detection in Chest X-ray images using Mask Region-based Convolutional Neural Network and Adaptive Closed Polyline Searching Method. , 2021, 2021, 2839-2842.		4
16	Research of Lightweight Encryption Algorithm Based on AES and Chaotic Sequences for Narrow-Band Internet of Things. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2019, , 267-280.	0.3	3
17	Prostate Segmentation of Ultrasound Images Based on Interpretable-Guided Mathematical Model. Lecture Notes in Computer Science, 2022, , 166-177.	1.3	3
18	Secure Data Delivery with Linear Network Coding for Multiple Multicasts with Multiple Streams in Internet of Things. Security and Communication Networks, 2018, 2018, 1-13.	1.5	2

#	ARTICLE	IF	CITATIONS
19	Improving the Detection of The Prostrate in Ultrasound Images Using Machine Learning Based Image Processing. , 2022, , .		2