Huiqi Li

List of Publications by Year
in descending order

65 papers	1,453 citations	361413 20 h-index	361022 35 g-index
66 all docs	66 docs citations	66 times ranked	1409 citing authors

#	Article	IF	Citations
1	Peripapillary Atrophy Segmentation Based on ASM Loss. , 2022, , .		0
2	AMD Classification Based on Adversarial Domain Adaptation with Center Loss. , 2022, , .		0
3	MSRT: Multi-Scale Spatial Regularization Transformer For Multi-Label Classification in Calcaneus Radiograph. , 2022, , .		0
4	Data augmentation for medical image analysis. , 2022, , 279-302.		2
5	Deep Representation-Based Domain Adaptation for Nonstationary EEG Classification. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 535-545.	11.3	78
6	A hierarchical deep learning approach with transparency and interpretability based on small samples for glaucoma diagnosis. Npj Digital Medicine, 2021, 4, 48.	10.9	19
7	Data and knowledge driven approach for burden surface optimization in blast furnace. Computers and Electrical Engineering, 2021, 92, 107191.	4.8	6
8	Automatic analysis system of calcaneus radiograph: Rotation-invariant landmark detection for calcaneal angle measurement, fracture identification and fracture region segmentation. Computer Methods and Programs in Biomedicine, 2021, 206, 106124.	4.7	9
9	Detail-richest-channel based enhancement for retinal image and beyond. Biomedical Signal Processing and Control, 2021, 69, 102933.	5.7	7
10	One-Shot Neural Architecture Search: Maximising Diversity to Overcome Catastrophic Forgetting. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2021, 43, 2921-2935.	13.9	27
11	Convolutional Neural Networks-Based Lung Nodule Classification: A Surrogate-Assisted Evolutionary Algorithm for Hyperparameter Optimization. IEEE Transactions on Evolutionary Computation, 2021, 25, 869-882.	10.0	40
12	Peripapillary Atrophy Segmentation with Boundary Guidance. Lecture Notes in Computer Science, 2021, , 101-108.	1.3	1
13	Identify the Main Retinal Vessels using Vessel Structure Similarity Assessment. , 2021, , .		0
14	Matrix Function Optimization Problems Under Orthonormal Constraint. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 802-814.	9.3	4
15	Retinal vascular junction detection and classification via deep neural networks. Computer Methods and Programs in Biomedicine, 2020, 183, 105096.	4.7	15
16	Automatic detection of parapapillary atrophy and its association with children myopia. Computer Methods and Programs in Biomedicine, 2020, 183, 105090.	4.7	12
17	Improving retinal vessel segmentation with joint local loss by matting. Pattern Recognition, 2020, 98, 107068.	8.1	30
18	Hierarchical method for cataract grading based on retinal images using improved Haar wavelet. Information Fusion, 2020, 53, 196-208.	19.1	59

#	Article	IF	Citations
19	Automatic Cataract Classification Using Deep Neural Network With Discrete State Transition. IEEE Transactions on Medical Imaging, 2020, 39, 436-446.	8.9	61
20	Retinal image enhancement using low-pass filtering and Î±-rooting. Signal Processing, 2020, 170, 107445.	3.7	34
21	Enhancement of blurry retinal image based on non-uniform contrast stretching and intensity transfer. Medical and Biological Engineering and Computing, 2020, 58, 483-496.	2.8	17
22	An automatic evaluation method for retinal image registration based on similar vessel structure matching. Medical and Biological Engineering and Computing, 2020, 58, 117-129.	2.8	4
23	The Arteriovenous Classification in Retinal Images by U-net and Tracking Algorithm. , 2020, , .		3
24	Overcoming Multi-Model Forgetting in One-Shot NAS With Diversity Maximization. , 2020, , .		43
25	Burden Surface Decision Using MODE With TOPSIS in Blast Furnace Ironmkaing. IEEE Access, 2020, 8, 35712-35725.	4.2	12
26	One-Shot Neural Architecture Search via Novelty Driven Sampling. , 2020, , .		14
27	Supervised Segmentation of Un-Annotated Retinal Fundus Images by Synthesis. IEEE Transactions on Medical Imaging, 2019, 38, 46-56.	8.9	79
28	Automatic directional analysis of cell fluorescence images and morphological modeling of microfilaments. Medical and Biological Engineering and Computing, 2019, 57, 325-337.	2.8	0
29	Segmentaion of Parapapillary Atrophy in Retinal Images using HED. , 2019, , .		1
30	Automatic Calculation of Resolution in Lateral Cephalogram Based on Scale Mark Detection. , 2019, , .		0
31	Refinement of Parapapillary Atrophy Segmentation Based on Conditional Random Field. , 2019, , .		0
32	Retinal vascular analysis: Segmentation, tracing, and beyond. , 2019, , 95-120.		1
33	Data-Driven Enhancement of Blurry Retinal Images via Generative Adversarial Networks. Lecture Notes in Computer Science, 2019, , 75-83.	1.3	19
34	High Dimensional Bayesian Optimization via Supervised Dimension Reduction. , 2019, , .		12
35	A novel contour-based registration of lateral cephalogram and profile photograph. Computerized Medical Imaging and Graphics, 2018, 63, 9-23.	5.8	3
36	An adaptive multi-objective evolutionary algorithm for constrained workflow scheduling in Clouds. Distributed and Parallel Databases, 2018, 36, 339-368.	1.6	31

#	Article	IF	Citations
37	Automatic Analysis of Lateral Cephalograms Based on Multiresolution Decision Tree Regression Voting. Journal of Healthcare Engineering, 2018, 2018, 1-15.	1.9	38
38	Collective cell polarization and alignment on curved surfaces. Journal of the Mechanical Behavior of Biomedical Materials, 2018, 88, 330-339.	3.1	17
39	A reference direction and entropy based evolutionary algorithm for many-objective optimization. Applied Soft Computing Journal, 2018, 70, 108-130.	7.2	16
40	Automatic segmentation of PPA in retinal images. , 2018, , .		2
41	Synthesizing retinal and neuronal images with generative adversarial nets. Medical Image Analysis, 2018, 49, 14-26.	11.6	141
42	An enhancement method for color retinal images based on image formation model. Computer Methods and Programs in Biomedicine, 2017, 143, 137-150.	4.7	44
43	Automated segmentation of overlapped nuclei using concave point detection and segment grouping. Pattern Recognition, 2017, 71, 349-360.	8.1	40
44	Segment 2D and 3D Filaments by Learning Structured and Contextual Features. IEEE Transactions on Medical Imaging, 2017, 36, 596-606.	8.9	39
45	Lens opacity detection for serious posterior subcapsular cataract. Medical and Biological Engineering and Computing, 2017, 55, 769-779.	2.8	11
46	An evolutionary algorithm with 2-D encoding for image segmentation. , 2017, , .		0
47	An automatic evaluation method for retinal image registration. , 2017, , .		2
48	Automatic directional analysis of cell microscopy images. , 2017, , .		0
49	An Approach to Evaluate Blurriness in Retinal Images with Vitreous Opacity for Cataract Diagnosis. Journal of Healthcare Engineering, 2017, 2017, 1-16.	1.9	52
50	Depth estimation from a single image in pedestrian candidate generation. , 2016, , .		1
51	Automatic detection of arteriovenous nicking in retinal images. , 2016, , .		3
52	A Graph-Theoretical Approach for Tracing Filamentary Structures in Neuronal and Retinal Images. IEEE Transactions on Medical Imaging, 2016, 35, 257-272.	8.9	75
53	An approach to locate optic disc in retinal images with pathological changes. Computerized Medical Imaging and Graphics, 2016, 47, 40-50.	5.8	39
54	An improved classified vector quantization for medical image. , 2015, , .		1

#	Article	IF	Citations
55	Changes in anteroposterior position and inclination of the maxillary incisors after surgical-orthodontic treatment of skeletal class III malocclusions. Journal of Cranio-Maxillo-Facial Surgery, 2015, 43, 1986-1993.	1.7	10
56	A retinal vessel boundary tracking method based on Bayesian theory and multi-scale line detection. Computerized Medical Imaging and Graphics, 2014, 38, 517-525.	5.8	56
57	Retinal vessel measurement using model fitting approach. , 2012, , .		0
58	Lens image registration for cataract detection. , 2011, , .		5
59	Detection of Pathological Myopia by PAMELA with Texture-Based Features through an SVM Approach. Journal of Healthcare Engineering, 2010, 1, 1-12.	1.9	40
60	A Computer-Aided Diagnosis System of Nuclear Cataract. IEEE Transactions on Biomedical Engineering, 2010, 57, 1690-1698.	4.2	72
61	Automatic detection of posterior subcapsular cataract opacity for cataract screening. , 2010, 2010, 5359-62.		13
62	Image based grading of nuclear cataract by SVM regression. , 2008, , .		15
63	Image based diagnosis of cortical cataract. , 2008, 2008, 3904-7.		12
64	Automatic detection and boundary estimation of the optic disk in retinal images using a model-based approach. Journal of Electronic Imaging, 2003, 12, 97.	0.9	16
65	Automatic location of optic disk in retinal images. , 0, , .		50