

Xiyang Liu

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

1,150
citations

623574

14
h-index

677027

22
g-index

44
all docs

44
docs citations

44
times ranked

1177
citing authors

#	ARTICLE	IF	CITATIONS
1	Predicting gastric cancer outcome from resected lymph node histopathology images using deep learning. <i>Nature Communications</i> , 2021, 12, 1637.	5.8	65
2	Automatic classification of heterogeneous slit-illumination images using an ensemble of cost-sensitive convolutional neural networks. <i>Annals of Translational Medicine</i> , 2021, 9, 550-550.	0.7	8
3	Exploring prognostic indicators in the pathological images of hepatocellular carcinoma based on deep learning. <i>Cut</i> , 2021, 70, 951-961.	6.1	93
4	A human-in-the-loop deep learning paradigm for synergic visual evaluation in children. <i>Neural Networks</i> , 2020, 122, 163-173.	3.3	12
5	Artificial intelligence manages congenital cataract with individualized prediction and telehealth computing. <i>Npj Digital Medicine</i> , 2020, 3, 112.	5.7	22
6	Dense anatomical annotation of slit-lamp images improves the performance of deep learning for the diagnosis of ophthalmic disorders. <i>Nature Biomedical Engineering</i> , 2020, 4, 767-777.	11.6	42
7	Artificial intelligence deciphers codes for color and odor perceptions based on large-scale chemoinformatic data. <i>GigaScience</i> , 2020, 9, .	3.3	11
8	Infrared Small Target Detection with Total Variation and Reweighted $\ell_{1,2}$ Regularization. <i>Mathematical Problems in Engineering</i> , 2020, 2020, 1-19.	0.6	6
9	Systemically modeling the relationship between climate change and wheat aphid abundance. <i>Science of the Total Environment</i> , 2019, 674, 392-400.	3.9	7
10	Development and validation of deep learning algorithms for scoliosis screening using back images. <i>Communications Biology</i> , 2019, 2, 390.	2.0	72
11	Prediction of postoperative complications of pediatric cataract patients using data mining. <i>Journal of Translational Medicine</i> , 2019, 17, 2.	1.8	33
12	Predicting the progression of ophthalmic disease based on slit-lamp images using a deep temporal sequence network. <i>PLoS ONE</i> , 2018, 13, e0201142.	1.1	18
13	An Interpretable and Expandable Deep Learning Diagnostic System for Multiple Ocular Diseases: Qualitative Study. <i>Journal of Medical Internet Research</i> , 2018, 20, e11144.	2.1	41
14	An artificial intelligence platform for the multihospital collaborative management of congenital cataracts. <i>Nature Biomedical Engineering</i> , 2017, 1, .	11.6	234
15	Comparative analysis of image classification methods for automatic diagnosis of ophthalmic images. <i>Scientific Reports</i> , 2017, 7, 41545.	1.6	41
16	Research on the Security of Microsoft's Two-Layer Captcha. <i>IEEE Transactions on Information Forensics and Security</i> , 2017, 12, 1671-1685.	4.5	52
17	Localization and diagnosis framework for pediatric cataracts based on slit-lamp images using deep features of a convolutional neural network. <i>PLoS ONE</i> , 2017, 12, e0168606.	1.1	72
18	Automatic diagnosis of imbalanced ophthalmic images using a cost-sensitive deep convolutional neural network. <i>BioMedical Engineering OnLine</i> , 2017, 16, 132.	1.3	36

#	ARTICLE	IF	CITATIONS
19	Multiobjective Reliable Cloud Storage with Its Particle Swarm Optimization Algorithm. Mathematical Problems in Engineering, 2016, 2016, 1-14.	0.6	5
20	Robustness of text-based completely automated public turing test to tell computers and humans apart. IET Information Security, 2016, 10, 45-52.	1.1	17
21	MEEF: A Minimum-Elimination-Escape Function Method for Multimodal Optimization Problems. Mathematical Problems in Engineering, 2015, 2015, 1-16.	0.6	2
22	Experimental Analysis on CTT-SP Algorithm for Intermediate Data Storage in Scientific Workflow Systems. , 2015, , .		0
23	A Minimum-Elimination-Escape Function Method for Multimodal Optimization Problems. , 2014, , .		1
24	An Enhanced Domination Based Evolutionary Algorithm for Multi-objective Problems. , 2013, , .		1
25	A Novel Cued-recall Graphical Password Scheme. , 2011, , .		17
26	An Audio CAPTCHA to Distinguish Humans from Computers. , 2010, , .		36
27	A Novel Image Based CAPTCHA Using Jigsaw Puzzle. , 2010, , .		33
28	Cluster based architecture synthesis minimizing the resources under time constraint. , 2010, , .		2
29	Against Spyware Using CAPTCHA in Graphical Password Scheme. , 2010, , .		20
30	A New Graphical Password Scheme Resistant to Shoulder-Surfing. , 2010, , .		41
31	An Effective Reversible Debugger of Cross Platform Based on Virtualization. , 2009, , .		1
32	Analysis and Evaluation of the ColorLogin Graphical Password Scheme. , 2009, , .		16
33	Design and Analysis of a Graphical Password Scheme. , 2009, , .		29
34	YAGP: Yet Another Graphical Password Strategy. , 2008, , .		57
35	Towards a Reversible BPEL Debugger. , 2008, , .		0
36	DTAD: A Dynamic Taint Analysis Detector for Information Security. , 2008, , .		1

#	ARTICLE	IF	CITATIONS
37	DFTL: a Description Language for Transformation of Data Formats. Proceedings of the Asia Pacific Software Engineering Conference, 2007, , .	0.0	0
38	Function Call Flow based Fitness Function Design in Evolutionary Testing. Proceedings of the Asia Pacific Software Engineering Conference, 2007, , .	0.0	1
39	Function Call Flow based Fitness Function Design in Evolutionary Testing. , 2007, , .		2
40	DFTL: a Description Language for Transformation of Data Formats. , 2007, , .		0
41	PORD: a Reversible Debugging Tool using Dynamic Binary Translation. , 2007, , .		1
42	Evolutionary testing of unstructured programs in the presence of flag problems. , 2005, , .		2