Yutaka Watanobe

List of Publications by Year
in descending order

47	496	759233 12	752698 20
papers	citations	h-index	g-index

48	48	48	192
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Brain-Computer Interface: Advancement and Challenges. Sensors, 2021, 21, 5746.	3.8	61
2	A Study of Robotic Cooperation in Cloud Robotics: Architecture and Challenges. IEEE Access, 2018, 6, 36662-36682.	4.2	51
3	A Bidirectional LSTM Language Model for Code Evaluation and Repair. Symmetry, 2021, 13, 247.	2.2	51
4	Source Code Assessment and Classification Based on Estimated Error Probability Using Attentive LSTM Language Model and Its Application in Programming Education. Applied Sciences (Switzerland), 2020, 10, 2973.	2.5	36
5	A Comprehensive Survey on the Detection, Classification, and Challenges of Neurological Disorders. Biology, 2022, 11, 469.	2.8	21
6	Educational Data Mining to Support Programming Learning Using Problem-Solving Data. IEEE Access, 2022, 10, 26186-26202.	4.2	19
7	Impact of Practical Skills on Academic Performance: A Data-Driven Analysis. IEEE Access, 2021, 9, 139975-139993.	4.2	17
8	Classification of Programming Problems based on Topic Modeling. , 2019, , .		16
9	A Neural Network Based Intelligent Support Model for Program Code Completion. Scientific Programming, 2020, 2020, 1-18.	0.7	16
10	Filmification of methods: A visual language for graph algorithms. Journal of Visual Languages and Computing, 2008, 19, 123-150.	1.8	14
11	Classification of Online Judge Programmers based on Rule Extraction from Self Organizing Feature Map. , 2018, , .		14
12	Learning Path Recommender System based on Recurrent Neural Network. , 2018, , .		14
13	Efficient Discovery of Periodic-Frequent Patterns in Columnar Temporal Databases. Electronics (Switzerland), 2021, 10, 1478.	3.1	14
14	Online Judge System: Requirements, Architecture, and Experiences. International Journal of Software Engineering and Knowledge Engineering, 2022, 32, 917-946.	0.8	13
15	Algorithm library based on algorithmic cyberFilms. Knowledge-Based Systems, 2009, 22, 195-208.	7.1	12
16	Cluster Analysis to Estimate the Difficulty of Programming Problems. , 2018, , .		12
17	An Evaluation of Hardware-Efficient Quantum Neural Networks for Image Data Classification. Electronics (Switzerland), 2022, 11, 437.	3.1	12
18	Hybrid intelligence aspects of programming in *AIDA algorithmic pictures. Future Generation Computer Systems, 2014, 37, 417-428.	7.5	11

#	Article	IF	Citations
19	A Highly Reliable Communication System for Internet of Robotic Things and Implementation in RT-Middleware With AMQP Communication Interfaces. IEEE Access, 2021, 9, 167229-167241.	4.2	10
20	Unknown Object Detection Using a One-Class Support Vector Machine for a Cloudâ€“Robot System. Sensors, 2022, 22, 1352.	3.8	9
21	Logic Error Detection Algorithm for Novice Programmers based on Structure Pattern and Error Degree. , 2018, , .		8
22	Convolutional Neural Network for Classification of Source Codes. , 2019, , .		7
23	U-Vectors: Generating Clusterable Speaker Embedding from Unlabeled Data. Applied Sciences (Switzerland), 2021, 11, 10079.	2.5	7
24	Automatic Generation of Fill-in-the-Blank Programming Problems. , 2019, , .		6
25	Logic Error Detection System based on Structure Pattern and Error Degree. Advances in Science, Technology and Engineering Systems, 2019, 4, 1-15.	0.5	6
26	Code completion for programming education based on deep learning. International Journal of Computational Intelligence Studies, 2021, 10, 78.	0.3	5
27	Algorithm to Determine Extended Edit Distance between Program Codes. , 2019, , .		4
28	A Model with Iterative Trials for Correcting Logic Errors in Source Code. Applied Sciences (Switzerland), 2021, 11, 4755.	2.5	4
29	A searching method based on problem description and algorithmic features. International Journal of Computational Science and Engineering, 2006, 2, 359.	0.5	3
30	Automatic analog meter reading for plant inspection using a deep neural network. Artificial Life and Robotics, 2021, 26, 176-186.	1.2	3
31	A Survey of Big Data Archives in Time-Domain Astronomy. Applied Sciences (Switzerland), 2022, 12, 6202.	2.5	3
32	Algorithmic CyberFilm Language. , 2006, , .		2
33	An Efficient Cloud Framework for Multi-Robot System Management. Frontiers in Artificial Intelligence and Applications, 2021, , .	0.3	2
34	Evaluation of Source Codes Using Bidirectional LSTM Neural Network. , 2020, , .		2
35	Processing Analytical Queries over Polystore System for a Large Astronomy Data Repository. Applied Sciences (Switzerland), 2022, 12, 2663.	2.5	2
36	Filmification of methods: Convex Hull algorithms. , 2009, , .		1

#	Article	IF	Citations
37	Programming in pictures within Filmification Modeling environment. , 2011, , .		1
38	Distributed Authority Management Method Based on Blockchains. , 2018, , .		1
39	Data Acquisition Framework for Cloud Robotics. , 2019, , .		1
40	A Model for Identifying Frequent Errors in Incorrect Solutions. , 2021, , .		1
41	Challenges and Exit Strategies for Adapting Interactive Online Education Amid the Pandemic and its Aftermath. , 2021, , .		1
42	Data visualization in ∗AIDA programming language. , 2013, , .		0
43	∗AIDA declarations supporting program compactness. , 2013, , .		0
44	Adaptation Aspects of AIDA Programs. , 2016, , .		0
45	Architecture for Hybrid Language Systems. , 2016, , .		0
46	Algorithmic Transparency of Large-Scale *AIDA Programs. International Journal of Software Engineering and Knowledge Engineering, 2020, 30, 1263-1288.	0.8	0
47	Logic Error Detection Algorithm Based on RNN with Threshold Selection. Frontiers in Artificial Intelligence and Applications, 2020, , .	0.3	0