Mohamed Hamada

List of Publications by Year
in descending order

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77	519	759233	839539
papers	citations	12	18
		h-index	g-index

79	79	79	236
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Machine Learning Method for Classification of Cervical Cancer. Electronics (Switzerland), 2022, 11, 463.	3.1	27
2	Low-Power Deep Learning Model for Plant Disease Detection for Smart-Hydroponics Using Knowledge Distillation Techniques. Journal of Low Power Electronics and Applications, 2022, 12, 24.	2.0	6
3	A comparative analysis of the state-of-the-art lossless image compression techniques. SHS Web of Conferences, 2022, 139, 03001.	0.2	0
4	An LDAâ€“SVM Machine Learning Model for Breast Cancer Classification. BioMedInformatics, 2022, 2, 345-358.	2.0	19
5	A Contemporary Machine Learning Method for Accurate Prediction of Cervical Cancer. SHS Web of Conferences, 2021, 102, 04004.	0.2	8
6	Lossless text compression using GPT-2 language model and Huffman coding. SHS Web of Conferences, 2021, 102, 04013.	0.2	4
7	Learning Style Index: Analysis and Smartphone-based Implementation. SHS Web of Conferences, 2021, 102, 04003.	0.2	0
8	The Impact of State-of-the-Art Techniques for Lossless Still Image Compression. Electronics (Switzerland), 2021, 10, 360.	3.1	17
9	PCBMS: A Model to Select an Optimal Lossless Image Compression Technique. IEEE Access, 2021, 9, 167426-167433.	4.2	3
10	An Intelligent Plant Dissease Detection System for Smart Hydroponic Using Convolutional Neural Network. , 2021, , .		8
11	The Role of Linear Discriminant Analysis for Accurate Prediction of Breast Cancer. , 2021, , .		6
12	Text Compression Based on an Alternative Approach of Run-Length Coding Using Burrows-Wheeler Transform and Arithmetic Coding. , 2021, , .		0
13	Evaluation of Recursive Feature Elimination and LASSO Regularization-based optimized feature selection approaches for cervical cancer prediction. , 2021, , .		5
14	Burrowsâ€“Wheeler Transform Based Lossless Text Compression Using Keys and Huffman Coding. Symmetry, 2020, 12, 1654.	2.2	14
15	Rule-Based Actionable Intelligence for Disaster Situation Management. International Journal of Knowledge and Systems Science, 2020, 11, 17-32.	0.8	2
16	Edge Detection Technique by Histogram Processing with Canny Edge Detector. , 2020, , .		5
17	A Multi-Criteria Recommendation Framework using Adaptive Linear Neuron. International Journal of Advanced Computer Science and Applications, 2020, 11, .	0.7	0
18	A lossless speech signal compression technique. , 2019, , .		1

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19	A Semi-Lossless Image Compression Procedure using a Lossless Mode of JPEG. , 2019, , .		5
20	Lossless Image Compression Techniques: A State-of-the-Art Survey. Symmetry, 2019, 11, 1274.	2.2	41
21	A Fuzzy-Based Approach and Adaptive Genetic Algorithm in Multi-Criteria Recommender Systems. Advances in Science, Technology and Engineering Systems, 2019, 4, 449-457.	0.5	3
22	Hybrid of Cuckoo Search Algorithm with LÃ©vy Flight and Neural Network for Crude Oil Prices Prediction. Journal of Computational and Theoretical Nanoscience, 2019, 16, 4092-4104.	0.4	2
23	A Fuzzy-Based Approach for Modelling Preferences of Users in Multi-Criteria Recommender Systems. , 2018, , .		10
24	Artificial Neural Networks and Particle Swarm Optimization Algorithms for Preference Prediction in Multi-Criteria Recommender Systems. Informatics, 2018, 5, 25.	3.9	19
25	Genetic Algorithm Approaches for Improving Prediction Accuracy of Multi-criteria Recommender Systems. International Journal of Computational Intelligence Systems, 2018, 11, 146.	2.7	28
26	A Computational Model for Improving the Accuracy of Multi-criteria Recommender Systems. , 2017, , .		4
27	Adaptive multimedia learning framework with facial recognition system. , 2017, , .		2
28	Improving prediction accuracy of multi-criteria recommender systems using adaptive genetic algorithms. , 2017, , .		5
29	Smart media-based context-aware recommender systems for learning: A conceptual framework. , 2017, , .		13
30	Performance analysis of neural networks-based multi-criteria recommender systems. , 2017, , .		2
31	A Neural Networks Approach for Improving the Accuracy of Multi-Criteria Recommender Systems. Applied Sciences (Switzerland), 2017, 7, 868.	2.5	39
32	Performance Comparison of Feed-Forward Neural Networks Trained with Different Learning Algorithms for Recommender Systems. Computation, 2017, 5, 40.	2.0	13
33	An Interactive Learning Environment for Information and Communication Theory. Eurasia Journal of Mathematics, Science and Technology Education, 2016, 13, .	1.3	16
34	A multimedia learning environment for information theory. , 2016, , .		4
35	Enhancing learning objects recommendation using multi-criteria recommender systems. , 2016, , .		6
36	Recommending Learning Peers for Collaborative Learning through Social Network Sites. , 2016, , .		13

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37	Adaptive learning framework. , 2016, , .		3
38	Learning system and analysis of learning style for African and Asian students. , 2015, , .		9
39	Smart Cloud-based Implementation of a Learning Style Index. , 2014, , .		0
40	Mobile Learning with Google App Engine. , 2014, , .		3
41	Cloud-Based Service for eBooks Using EPUB under the Aspect of Learning Analytics. , 2014, , .		2
42	A multimedia mobile-based learning framework for Kurdish language. , 2014, , .		0
43	The role of Multimedia Learning Systems in the Nigerian higher educational landscape. , 2014, , .		1
44	Turing Machine and Automata Simulators. Procedia Computer Science, 2013, 18, 1466-1474.	2.0	5
45	Fast diagnosing of pediatric respiratory diseases by using high speed neural networks. , 2013, , .		1
46	A Mobile-based Multimedia System for Learning Japanese. , 2013, , .		3
47	A Framework for Instantiating Native Mobile Multimedia Learning Applications on Android Platform. , 2013, , .		5
48	A Study of a Learning Style Index to Support an Intelligent and Adaptive Learning Systems. Smart Innovation, Systems and Technologies, 2013, , 109-132.	0.6	6
49	A learning tool for MP3 audio compression. , 2012, , .		0
50	A learning system for audio compression. , 2012, , .		0
51	A Multimedia Learning System for selected topics of Physics. , 2012, , .		5
52	A Learning System for a Computational Science Related Topic. Procedia Computer Science, 2012, 9, 1763-1772.	2.0	10
53	Learning Style Model for e-Learning Systems. Lecture Notes in Computer Science, 2012, , 186-195.	1.3	2
54	A Game-based Learning System for Theory of Computation Using Lego NXT Robot. Procedia Computer Science, 2011, 4, 1944-1952.	2.0	12

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55	Lego NXT as a learning tool. , 2010, , .		3
56	A Novel Watermark Technique for Relational Databases. Lecture Notes in Computer Science, 2010, , 226-232.	1.3	5
57	A Developed WaterMark Technique for Distributed Database Security. Advances in Intelligent and Soft Computing, 2010, , 173-180.	0.2	4
58	Web-Based Enhanced Learning Style Index with Integration into an e-Learning System. Lecture Notes in Computer Science, 2010, , 101-110.	1.3	0
59	Simulator and Robot-Based Game for Learning Automata Theory. Lecture Notes in Computer Science, 2010, , 429-437.	1.3	1
60	Fast principal component analysis for face detection using cross-correlation and image decomposition. , 2009, , .		1
61	A New Implementation for Neural Networks in Fourier-Space. Studies in Computational Intelligence, 2009, , 307-330.	0.9	1
62	Ants-Like Agents: A Model and Analysis Based on Natural Ants Behavior. Lecture Notes in Computer Science, 2009, , 20-29.	1.3	1
63	Pushdown Automata Simulator. Lecture Notes in Computer Science, 2009, , 328-338.	1.3	1
64	Fast Time Delay Neural Networks for Detecting DNA Coding Regions. Lecture Notes in Computer Science, 2009, , 333-341.	1.3	0
65	An Integrated Virtual Environment for Active and Collaborative e-Learning in Theory of Computation. IEEE Transactions on Learning Technologies, 2008, 1, 117-130.	3.2	27
66	Communication Model Simulator: Tools for Active Learners. , 2008, , .		0
67	Supporting Materials for Active e-Learning in Computational Models. Lecture Notes in Computer Science, 2008, , 678-686.	1.3	4
68	Web-Based Environment for Active Computing Learners. Lecture Notes in Computer Science, 2008, , 516-529.	1.3	3
69	New Fast Decision Tree Classifier for Identifying Protein Coding Regions. Lecture Notes in Computer Science, 2008, , 489-500.	1.3	4
70	An Interactive Simulator for Information Communication Models. Lecture Notes in Computer Science, 2008, , 88-98.	1.3	0
71	Web-based tools for active learning in information theory. SIGCSE Bulletin, 2007, 39, 60-64.	0.1	2
72	Web-based tools for active learning in information theory. , 2007, , .		16

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73	Web-based Active e-Learning Tools for Automata Theory. , 2007, , .		3
74	An Integrated Virtual Environment for Active e-Learning in Theory of Computation. , 2007, , 422-432.		1
75	A classroom experiment for teaching automata. , 2004, , .		4
76	A classroom experiment for teaching automata. SIGCSE Bulletin, 2004, 36, 261-261.	0.1	2
77	Strong Completeness of a Narrowing Calculus for Conditional Rewrite Systems with Extra Variables. Electronic Notes in Theoretical Computer Science, 2000, 31, 89-103.	0.9	4