

Mohamed Hamada

List of Publications by Year in descending order

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77
papers

519
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759233

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839539

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79
all docs

79
docs citations

79
times ranked

236
citing authors

#	ARTICLE	IF	CITATIONS
1	Lossless Image Compression Techniques: A State-of-the-Art Survey. <i>Symmetry</i> , 2019, 11, 1274.	2.2	41
2	A Neural Networks Approach for Improving the Accuracy of Multi-Criteria Recommender Systems. <i>Applied Sciences (Switzerland)</i> , 2017, 7, 868.	2.5	39
3	Genetic Algorithm Approaches for Improving Prediction Accuracy of Multi-criteria Recommender Systems. <i>International Journal of Computational Intelligence Systems</i> , 2018, 11, 146.	2.7	28
4	An Integrated Virtual Environment for Active and Collaborative e-Learning in Theory of Computation. <i>IEEE Transactions on Learning Technologies</i> , 2008, 1, 117-130.	3.2	27
5	A Machine Learning Method for Classification of Cervical Cancer. <i>Electronics (Switzerland)</i> , 2022, 11, 463.	3.1	27
6	Artificial Neural Networks and Particle Swarm Optimization Algorithms for Preference Prediction in Multi-Criteria Recommender Systems. <i>Informatics</i> , 2018, 5, 25.	3.9	19
7	An LDA+SVM Machine Learning Model for Breast Cancer Classification. <i>BioMedInformatics</i> , 2022, 2, 345-358.	2.0	19
8	The Impact of State-of-the-Art Techniques for Lossless Still Image Compression. <i>Electronics (Switzerland)</i> , 2021, 10, 360.	3.1	17
9	Web-based tools for active learning in information theory. , 2007, , .		16
10	An Interactive Learning Environment for Information and Communication Theory. <i>Eurasia Journal of Mathematics, Science and Technology Education</i> , 2016, 13, .	1.3	16
11	Burrows-Wheeler Transform Based Lossless Text Compression Using Keys and Huffman Coding. <i>Symmetry</i> , 2020, 12, 1654.	2.2	14
12	Recommending Learning Peers for Collaborative Learning through Social Network Sites. , 2016, , .		13
13	Smart media-based context-aware recommender systems for learning: A conceptual framework. , 2017, , .		13
14	Performance Comparison of Feed-Forward Neural Networks Trained with Different Learning Algorithms for Recommender Systems. <i>Computation</i> , 2017, 5, 40.	2.0	13
15	A Game-based Learning System for Theory of Computation Using Lego NXT Robot. <i>Procedia Computer Science</i> , 2011, 4, 1944-1952.	2.0	12
16	A Learning System for a Computational Science Related Topic. <i>Procedia Computer Science</i> , 2012, 9, 1763-1772.	2.0	10
17	A Fuzzy-Based Approach for Modelling Preferences of Users in Multi-Criteria Recommender Systems. , 2018, , .		10
18	Learning system and analysis of learning style for African and Asian students. , 2015, , .		9

#	ARTICLE	IF	CITATIONS
19	A Contemporary Machine Learning Method for Accurate Prediction of Cervical Cancer. SHS Web of Conferences, 2021, 102, 04004.	0.2	8
20	An Intelligent Plant Disease Detection System for Smart Hydroponic Using Convolutional Neural Network. , 2021, , .		8
21	Enhancing learning objects recommendation using multi-criteria recommender systems. , 2016, , .		6
22	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
23	The Role of Linear Discriminant Analysis for Accurate Prediction of Breast Cancer. , 2021, , .		6
24	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
25	A Multimedia Learning System for selected topics of Physics. , 2012, , .		5
26	Turing Machine and Automata Simulators. Procedia Computer Science, 2013, 18, 1466-1474.	2.0	5
27	A Framework for Instantiating Native Mobile Multimedia Learning Applications on Android Platform. , 2013, , .		5
28	Improving prediction accuracy of multi-criteria recommender systems using adaptive genetic algorithms. , 2017, , .		5
29	A Semi-Lossless Image Compression Procedure using a Lossless Mode of JPEG. , 2019, , .		5
30	A Novel Watermark Technique for Relational Databases. Lecture Notes in Computer Science, 2010, , 226-232.	1.3	5
31	Edge Detection Technique by Histogram Processing with Canny Edge Detector. , 2020, , .		5
32	Evaluation of Recursive Feature Elimination and LASSO Regularization-based optimized feature selection approaches for cervical cancer prediction. , 2021, , .		5
33	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
34	A classroom experiment for teaching automata. , 2004, , .		4
35	A multimedia learning environment for information theory. , 2016, , .		4
36	A Computational Model for Improving the Accuracy of Multi-criteria Recommender Systems. , 2017, , .		4

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37	Lossless text compression using GPT-2 language model and Huffman coding. SHS Web of Conferences, 2021, 102, 04013.	0.2	4
38	Supporting Materials for Active e-Learning in Computational Models. Lecture Notes in Computer Science, 2008, , 678-686.	1.3	4
39	A Developed WaterMark Technique for Distributed Database Security. Advances in Intelligent and Soft Computing, 2010, , 173-180.	0.2	4
40	New Fast Decision Tree Classifier for Identifying Protein Coding Regions. Lecture Notes in Computer Science, 2008, , 489-500.	1.3	4
41	Web-based Active e-Learning Tools for Automata Theory. , 2007, , .		3
42	Lego NXT as a learning tool. , 2010, , .		3
43	A Mobile-based Multimedia System for Learning Japanese. , 2013, , .		3
44	Mobile Learning with Google App Engine. , 2014, , .		3
45	Adaptive learning framework. , 2016, , .		3
46	Web-Based Environment for Active Computing Learners. Lecture Notes in Computer Science, 2008, , 516-529.	1.3	3
47	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
48	PCBMS: A Model to Select an Optimal Lossless Image Compression Technique. IEEE Access, 2021, 9, 167426-167433.	4.2	3
49	A classroom experiment for teaching automata. SIGCSE Bulletin, 2004, 36, 261-261.	0.1	2
50	Web-based tools for active learning in information theory. SIGCSE Bulletin, 2007, 39, 60-64.	0.1	2
51	Cloud-Based Service for eBooks Using EPUB under the Aspect of Learning Analytics. , 2014, , .		2
52	Adaptive multimedia learning framework with facial recognition system. , 2017, , .		2
53	Performance analysis of neural networks-based multi-criteria recommender systems. , 2017, , .		2
54	Rule-Based Actionable Intelligence for Disaster Situation Management. International Journal of Knowledge and Systems Science, 2020, 11, 17-32.	0.8	2

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55	Learning Style Model for e-Learning Systems. Lecture Notes in Computer Science, 2012, , 186-195.	1.3	2
56	Hybrid of Cuckoo Search Algorithm with Lévy Flight and Neural Network for Crude Oil Prices Prediction. Journal of Computational and Theoretical Nanoscience, 2019, 16, 4092-4104.	0.4	2
57	Fast principal component analysis for face detection using cross-correlation and image decomposition. , 2009, , .		1
58	Fast diagnosing of pediatric respiratory diseases by using high speed neural networks. , 2013, , .		1
59	The role of Multimedia Learning Systems in the Nigerian higher educational landscape. , 2014, , .		1
60	A lossless speech signal compression technique. , 2019, , .		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	Simulator and Robot-Based Game for Learning Automata Theory. Lecture Notes in Computer Science, 2010, , 429-437.	1.3	1
65	An Integrated Virtual Environment for Active e-Learning in Theory of Computation. , 2007, , 422-432.		1
66	Communication Model Simulator: Tools for Active Learners. , 2008, , .		0
67	A learning tool for MP3 audio compression. , 2012, , .		0
68	A learning system for audio compression. , 2012, , .		0
69	Smart Cloud-based Implementation of a Learning Style Index. , 2014, , .		0
70	A multimedia mobile-based learning framework for Kurdish language. , 2014, , .		0
71	Learning Style Index: Analysis and Smartphone-based Implementation. SHS Web of Conferences, 2021, 102, 04003.	0.2	0
72	An Interactive Simulator for Information Communication Models. Lecture Notes in Computer Science, 2008, , 88-98.	1.3	0

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73	Fast Time Delay Neural Networks for Detecting DNA Coding Regions. Lecture Notes in Computer Science, 2009, , 333-341.	1.3	0
74	Web-Based Enhanced Learning Style Index with Integration into an e-Learning System. Lecture Notes in Computer Science, 2010, , 101-110.	1.3	0
75	A Multi-Criteria Recommendation Framework using Adaptive Linear Neuron. International Journal of Advanced Computer Science and Applications, 2020, 11, .	0.7	0
76	Text Compression Based on an Alternative Approach of Run-Length Coding Using Burrows-Wheeler Transform and Arithmetic Coding. , 2021, , .		0
77	A comparative analysis of the state-of-the-art lossless image compression techniques. SHS Web of Conferences, 2022, 139, 03001.	0.2	0