Krohling Renato

List of Publications by Year
in descending order

31 papers	1,816 citations	430442 18 h-index	713013 21 g-index
31 all docs	31 docs citations	31 times ranked	1374 citing authors

#	Article	IF	Citations
1	Fuzzy TOPSIS for group decision making: A case study for accidents with oil spill in the sea. Expert Systems With Applications, 2011, 38, 4190-4197.	4.4	305
2	Combining prospect theory and fuzzy numbers to multi-criteria decision making. Expert Systems With Applications, 2012, 39, 11487-11493.	4.4	188
3	IF-TODIM: An intuitionistic fuzzy TODIM to multi-criteria decision making. Knowledge-Based Systems, 2013, 53, 142-146.	4.0	141
4	A-TOPSIS â€" An Approach Based on TOPSIS for Ranking Evolutionary Algorithms. Procedia Computer Science, 2015, 55, 308-317.	1.2	131
5	A study of TODIM in a intuitionistic fuzzy and random environment. Expert Systems With Applications, 2013, 40, 6459-6468.	4.4	130
6	Choquet based TOPSIS and TODIM for dynamic and heterogeneous decision making with criteria interaction. Information Sciences, 2017, 408, 41-69.	4.0	116
7	A generalized TOPSIS method for group decision making with heterogeneous information in a dynamic environment. Information Sciences, 2016, 330, 1-18.	4.0	111
8	The impact of patient clinical information on automated skin cancer detection. Computers in Biology and Medicine, 2020, 116, 103545.	3.9	108
9	PAD-UFES-20: A skin lesion dataset composed of patient data and clinical images collected from smartphones. Data in Brief, 2020, 32, 106221.	0.5	88
10	The Hellinger distance in Multicriteria Decision Making: An illustration to the TOPSIS and TODIM methods. Expert Systems With Applications, 2014, 41, 4414-4421.	4.4	82
11	A deep learning approach combining instance and semantic segmentation to identify diseases and pests of coffee leaves from in-field images. Computers and Electronics in Agriculture, 2021, 186, 106191.	3.7	81
12	An Attention-Based Mechanism to Combine Images and Metadata in Deep Learning Models Applied to Skin Cancer Classification. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 3554-3563.	3.9	73
13	TODIM and TOPSIS with Z-numbers. Frontiers of Information Technology and Electronic Engineering, 2019, 20, 283-291.	1.5	43
14	A co-evolutionary differential evolution algorithm for solving minâ€"max optimization problems implemented on GPU using C-CUDA. Expert Systems With Applications, 2012, 39, 10324-10333.	4.4	34
15	Swarm algorithms with chaotic jumps applied to noisy optimization problems. Information Sciences, 2011, 181, 4494-4514.	4.0	31
16	On Out-of-Distribution Detection Algorithms with Deep Neural Skin Cancer Classifiers. , 2020, , .		23
17	An app to assist farmers in the identification of diseases and pests of coffee leaves using deep learning. Information Processing in Agriculture, 2022, 9, 38-47.	2.9	23
18	A hybrid approach using TOPSIS, Differential Evolution, and Tabu Search to find multiple solutions of constrained non-linear integer optimization problems. Knowledge-Based Systems, 2014, 62, 47-56.	4.0	22

#	Article	IF	Citations
19	TODIM Based Method to Process Heterogeneous Information. Procedia Computer Science, 2015, 55, 318-327.	1.2	20
20	A differential evolution approach for solving constrained min–max optimization problems. Expert Systems With Applications, 2012, 39, 13440-13450.	4.4	19
21	Ranking of Classification Algorithms in Terms of Mean–Standard Deviation Using A-TOPSIS. Annals of Data Science, 2018, 5, 93-110.	1.7	11
22	Skin lesion segmentation using deep learning for images acquired from smartphones. , 2019, , .		8
23	Swarm algorithms with chaotic jumps for optimization of multimodal functions. Engineering Optimization, 2011, 43, 1243-1261.	1.5	5
24	Bare bones particle swarm with scale mixtures of Gaussians for dynamic constrained optimization. , 2014, , .		5
25	Semi-Supervised Online Elastic Extreme Learning Machine for Data Classification. , 2018, , .		5
26	A Fuzzy Sociometric Approach to Human Resource Allocation. , 2018, , .		4
27	Semi-Supervised Online Elastic Extreme Learning Machine with Forgetting Parameter to deal with concept drift in data streams. , 2019, , .		4
28	Learning dynamic weights for an ensemble of deep models applied to medical imaging classification. , 2020, , .		3
29	Clustering with Minimum Spanning Tree using TOPSIS with Multi-Criteria Information. , 2018, , .		1
30	An approach to improve online sequential extreme learning machines using restricted Boltzmann machines. , 2018, , .		1
31	Discovering an Aid Policy to Minimize Student Evasion Using Offline Reinforcement Learning. , 2021, , .		0