

Claudio Miros Sales

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

296
citations

1163117

8
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1281871

11
g-index

15
all docs

15
docs citations

15
times ranked

273
citing authors

#	ARTICLE	IF	CITATIONS
1	A novel unsupervised approach based on a genetic algorithm for structural damage detection in bridges. <i>Engineering Applications of Artificial Intelligence</i> , 2016, 52, 168-180.	8.1	82
2	Deep principal component analysis: An enhanced approach for structural damage identification. <i>Structural Health Monitoring</i> , 2019, 18, 1444-1463.	7.5	40
3	Genetic-based EM algorithm to improve the robustness of Gaussian mixture models for damage detection in bridges. <i>Structural Control and Health Monitoring</i> , 2017, 24, e1886.	4.0	35
4	A global expectation-maximization based on memetic swarm optimization for structural damage detection. <i>Structural Health Monitoring</i> , 2016, 15, 610-625.	7.5	29
5	A semi-autonomous particle swarm optimizer based on gradient information and diversity control for global optimization. <i>Applied Soft Computing Journal</i> , 2018, 69, 330-343.	7.2	26
6	A Global Expectationâ€“Maximization Approach Based on Memetic Algorithm for Vibration-Based Structural Damage Detection. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2017, 66, 661-670.	4.7	24
7	Agglomerative concentric hypersphere clustering applied to structural damage detection. <i>Mechanical Systems and Signal Processing</i> , 2017, 92, 196-212.	8.0	21
8	Polygonal Coordinate System: Visualizing high-dimensional data using geometric DR, and a deterministic version of t-SNE. <i>Expert Systems With Applications</i> , 2021, 175, 114741.	7.6	12
9	A rotationally invariant semi-autonomous particle swarm optimizer with directional diversity. <i>Swarm and Evolutionary Computation</i> , 2020, 56, 100700.	8.1	11
10	Mutual equidistant-scattering criterion: A new index for crisp clustering. <i>Expert Systems With Applications</i> , 2019, 128, 225-245.	7.6	6
11	Empirical study on rotation and information exchange in particle swarm optimization. <i>Swarm and Evolutionary Computation</i> , 2019, 48, 312-328.	8.1	5
12	Data Normalization in Structural Health Monitoring by Means of Nonlinear Filtering. , 2019, , .		3
13	A Geometry-Based Approach to Visualize High-Dimensional Data. , 2019, , .		2
14	Improving a Genetic Clustering Approach with a CVI-Based Objective Function. <i>Lecture Notes in Computer Science</i> , 2021, , 202-217.	1.3	0
15	Improving Particle Swarm Optimization with Self-adaptive Parameters, Rotational Invariance, and Diversity Control. <i>Lecture Notes in Computer Science</i> , 2021, , 218-233.	1.3	0