Edgar O ResÃ©ndiz-Flores

List of Publications by Year
in descending order

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31	319	933264	940416
papers	citations	10 h-index	16 g-index

31	31	31	209
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Two-dimensional numerical simulation of heat transfer with moving heat source in welding using the Finite Pointset Method. International Journal of Heat and Mass Transfer, 2015, 90, 239-245.	2.5	35
2	Mahalanobisâ€“Taguchi system applied to variable selection in automotive pedals components using Gompertz binary particle swarm optimization. Expert Systems With Applications, 2013, 40, 2361-2365.	4.4	33
3	Binary ant colony optimization applied to variable screening in the Mahalanobisâ€“Taguchi System. Expert Systems With Applications, 2013, 40, 634-637.	4.4	28
4	Numerical simulation of coupled fluid flow and heat transfer with phase change using the Finite Pointset Method. International Journal of Thermal Sciences, 2018, 133, 13-21.	2.6	22
5	A new approach for the numerical simulation of free surface incompressible flows using a meshfree method. Computer Methods in Applied Mechanics and Engineering, 2017, 324, 619-639.	3.4	21
6	Application of the finite pointset method to non-stationary heat conduction problems. International Journal of Heat and Mass Transfer, 2014, 71, 720-723.	2.5	17
7	Meshfree numerical simulation of free surface thermal flows in mould filling processes using the Finite Pointset Method. International Journal of Thermal Sciences, 2018, 127, 29-40.	2.6	17
8	Meshfree numerical approach based on the Finite Pointset Method for static linear elasticity problems. Computer Methods in Applied Mechanics and Engineering, 2020, 372, 113367.	3.4	14
9	Space mapping-focused control techniques for particle dispersions in fluids. Optimization and Engineering, 2012, 13, 101-120.	1.3	12
10	Mahalanobis-Taguchi system: state of the art. International Journal of Quality and Reliability Management, 2018, 35, 596-613.	1.3	12
11	Optimal identification of impact variables in a welding process for automobile seats mechanism by MTS-GBPSO approach. International Journal of Advanced Manufacturing Technology, 2017, 90, 437-443.	1.5	11
12	Optimal feature selection in industrial foam injection processes using hybrid binary Particle Swarm Optimization and Gravitational Search Algorithm in the Mahalanobisâ€“Taguchi System. Soft Computing, 2020, 24, 341-349.	2.1	10
13	Placing Safety Stock in Logistic Networks under Guaranteed-Service Time Inventory Models: An Application to the Automotive Industry. Journal of Applied Research and Technology, 2014, 12, 538-550.	0.6	9
14	Three-dimensional flow prediction in mould filling processes using a GFDM. Computational Particle Mechanics, 2019, 6, 411-425.	1.5	9
15	Optimal variable screening in automobile motor-head machining process using metaheuristic approaches in the Mahalanobis-Taguchi System. International Journal of Advanced Manufacturing Technology, 2018, 95, 3589-3597.	1.5	8
16	Numerical solution of 3D non-stationary heat conduction problems using the Finite Pointset Method. International Journal of Heat and Mass Transfer, 2015, 87, 104-110.	2.5	7
17	Fault detection and optimal feature selection in automobile motor-head machining process. International Journal of Advanced Manufacturing Technology, 2018, 94, 2613-2622.	1.5	7
18	Smart fault detection and optimal variables identification using Kernel Mahalanobis Distance for industrial manufacturing processes. International Journal of Computer Integrated Manufacturing, 2022, 35, 942-950.	2.9	7

#	Article	IF	Citations
19	Gompertz binary particle swarm optimization and support vector data description system for fault detection and feature selection applied in automotive pedals components. International Journal of Advanced Manufacturing Technology, 2017, 92, 2311-2324.	1.5	5
20	Application of a generalized finite difference method to mould filling process. European Journal of Applied Mathematics, 2018, 29, 450-469.	1.4	5
21	Intelligent design in continuous galvanizing process for advanced ultra-high-strength dual-phase steels using back-propagation artificial neural networks and MOAMP-Squirrels search algorithm. International Journal of Advanced Manufacturing Technology, 2020, 110, 2619-2630.	1.5	5
22	Optimal Design of Hot-Dip Galvanized DP Steels via Artificial Neural Networks and Multi-Objective Genetic Optimization. Metals, 2021, 11, 578.	1.0	5
23	Transient heat transfer and solidification modelling in direct-chill casting using a generalized finite differences method. Journal of Mining and Metallurgy, Section B: Metallurgy, 2019, 55, 47-54.	0.3	5
24	Kernel-based gradient evolution optimization method. Information Sciences, 2022, 602, 313-327.	4.0	4
25	Fault detection based on squirrel search algorithm and support vector data description for industrial processes. Soft Computing, 2022, 26, 13639-13650.	2.1	3
26	Adjoint-based optimization of particle trajectories in laminar flows. Applied Mathematics and Computation, 2014, 248, 567-583.	1.4	2
27	Space mapping for optimal control of a nonisothermal tube drawing process. Mathematical Methods in the Applied Sciences, 2020, 44, 11797.	1.2	2
28	Metaheuristics and Support Vector Data Description for Fault Detection in Industrial Processes. Applied Sciences (Switzerland), 2020, 10, 9145.	1.3	2
29	Meshfree numerical approach based on the finite pointset method for two-way coupled transient linear thermoelasticity. Computational Particle Mechanics, 2023, 10, 289-302.	1.5	2
30	Fully coupled meshfree numerical approach based on the finite pointset method for static linear thermoelasticity problems. Computational Particle Mechanics, 0, , 1.	1.5	0
31	SelecciÃ³n Ã³ptima de variables mediante metaheurÃsticas binarias para la detecciÃ³n de fallas en un proceso industrial multivariado usando aprendizaje de mÃ¡quina. Research in Computing Science, 2019, 148, 37-50.	0.1	0