RubÃ©n Escribano GarcÃa

List of Publications by Year
in descending order

22 papers	434 citations	687220 13 h-index	752573 20 g-index
23 all docs	23 docs citations	23 times ranked	398 citing authors

#	Article	IF	Citations
1	An Improvement in Biodiesel Production from Waste Cooking Oil by Applying Thought Multi-Response Surface Methodology Using Desirability Functions. Energies, 2017, 10, 130.	1.6	54
2	Finite Element Model Updating Combined with Multi-Response Optimization for Hyper-Elastic Materials Characterization. Materials, 2019, 12, 1019.	1.3	53
3	Optimization of operating conditions for a double-row tapered roller bearing. International Journal of Mechanics and Materials in Design, 2016, 12, 353-373.	1.7	46
4	Using Genetic Algorithms with Multi-Objective Optimization to Adjust Finite Element Models of Welded Joints. Metals, 2018, 8, 230.	1.0	42
5	Improving the Process of Adjusting the Parameters of Finite Element Models of Healthy Human Intervertebral Discs by the Multi-Response Surface Method. Materials, 2017, 10, 1116.	1.3	31
6	Effective use of activated carbon from olive stone waste in the biosorption removal of Fe(III) ions from aqueous solutions. Journal of Cleaner Production, 2021, 294, 126332.	4.6	31
7	Improvement in the Design of Welded Joints of EN 235JR Low Carbon Steel by Multiple Response Surface Methodology. Metals, 2016, 6, 205.	1.0	27
8	Improvement in determining the risk of damage to the human lumbar functional spinal unit considering age, height, weight and sex using a combination of FEM and RSM. Biomechanics and Modeling in Mechanobiology, 2020, 19, 351-387.	1.4	26
9	Using the finite element method and data mining techniques as an alternative method to determine the maximum load capacity in tapered roller bearings. Journal of Applied Logic, 2017, 24, 4-14.	1.1	24
10	Coagulation: Determination of Key Operating Parameters by Multi-Response Surface Methodology Using Desirability Functions. Water (Switzerland), 2019, 11, 398.	1.2	23
11	Adsorptive of Nickel in Wastewater by Olive Stone Waste: Optimization through Multi-Response Surface Methodology Using Desirability Functions. Water (Switzerland), 2020, 12, 1320.	1.2	20
12	Optimizing Laser Powder Bed Fusion Parameters for IN-738LC by Response Surface Method. Materials, 2020, 13, 4879.	1.3	14
13	Modelling a Skin-Pass Rolling Process by Means of Data Mining Techniques and Finite Element Method. Journal of Iron and Steel Research International, 2012, 19, 43-49.	1.4	13
14	Improvement in Manufacturing Welded Products through Multiple Response Surface Methodology and Data Mining Techniques. Advances in Intelligent Systems and Computing, 2014, , 301-310.	0.5	5
15	A Theoretical Model with Which to Safely Optimize the Configuration of Hydraulic Suspension of Modular Trailers in Special Road Transport. Applied Sciences (Switzerland), 2021, 11, 305.	1.3	5
16	Biosorption of Cu(II) ions as a method for the effective use of activated carbon from grape stalk waste: RMS optimization and kinetic studies. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2022, 44, 4706-4726.	1.2	5
17	Combination of the Finite Element Method and Data Mining Techniques to Design and Optimize Bearings. Advances in Intelligent Systems and Computing, 2014, , 165-174.	0.5	3
18	Adjust the Thermo-Mechanical Properties of Finite Element Models Welded Joints Based on Soft Computing Techniques. Lecture Notes in Computer Science, 2017, , 699-709.	1.0	3

#	Article	IF	Citations
19	Combining the Finite Element Method and Response Surface Methodology for Adjustment of Contact Stress Ratios in Tapered Roller Bearings. Mechanisms and Machine Science, 2015, , 957-964.	0.3	1
20	Improvement in the Process of Designing a New Artificial Human Intervertebral Lumbar Disc Combining Soft Computing Techniques and the Finite Element Method. Advances in Intelligent Systems and Computing, 2017, , 223-232.	0.5	1
21	A novel hybrid strip finishing process to improve mechanical properties and reduce energy consumption. International Journal of Material Forming, 2019, 12, 27-43.	0.9	0
22	Comparison Analysis of Regression Models Based on Experimental and FEM Simulation Datasets Used to Characterize Electrolytic Tinplate Materials. Advances in Intelligent Systems and Computing, 2014, , 279-288.	0.5	0