Manuel RomÃ¡n PiÃ±a Monarrez

List of Publications by Year
in descending order

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19 papers	153 citations	1307594 7 h-index	1199594 12 g-index
19 all docs	19 docs citations	19 times ranked	103 citing authors

#	Article	IF	Citations
1	Non-normal Capability Indices for the Weibull and Lognormal Distributions. Quality and Reliability Engineering International, 2016, 32, 1321-1329.	2.3	33
2	Weibull and lognormal Taguchi analysis using multiple linear regression. Reliability Engineering and System Safety, 2015, 144, 244-253.	8.9	22
3	Weibull stress distribution for static mechanical stress and its stress/strength analysis. Quality and Reliability Engineering International, 2018, 34, 229-244.	2.3	17
4	Fatigue-Life Prediction of Mechanical Element by Using the Weibull Distribution. Applied Sciences (Switzerland), 2020, 10, 6384.	2.5	14
5	Multiobjective optimization of torch brazing process by a hybrid of fuzzy logic and multiobjective artificial bee colony algorithm. Journal of Intelligent Manufacturing, 2016, 27, 631-638.	7.3	8
6	Reliability Analysis for Laptop Computer Under Electrical Harmonics. Quality and Reliability Engineering International, 2016, 32, 2945-2960.	2.3	8
7	Weibull analysis for normal/accelerated and fatigue random vibration test. Quality and Reliability Engineering International, 2019, 35, 2408-2428.	2.3	8
8	Humanâ€“Machine Systems Reliability: A Seriesâ€“Parallel Approach for Evaluation and Improvement in the Field of Machine Tools. Applied Sciences (Switzerland), 2022, 12, 1681.	2.5	8
9	Stress-Based Weibull Method to Select a Ball Bearing and Determine Its Actual Reliability. Applied Sciences (Switzerland), 2020, 10, 8100.	2.5	6
10	Stress-Strength Weibull Analysis with Different Shape Parameter Î² and Probabilistic Safety Factor. DYNA (Colombia), 2020, 87, 28-33.	0.4	6
11	Conditional Weibull Control Charts Using Multiple Linear Regression. Quality and Reliability Engineering International, 2017, 33, 785-791.	2.3	5
12	Unbiased Weibull capabilities indices using multiple linear regression. Quality and Reliability Engineering International, 2017, 33, 1915-1920.	2.3	4
13	Discrimination between the lognormal and Weibull Distributions by using multiple linear regression. DYNA (Colombia), 2018, 85, 9-18.	0.4	4
14	Weibull S-N Fatigue Strength Curve Analysis for A572 Gr. 50 Steel, Based on the True Stressâ€”True Strain Approach. Applied Sciences (Switzerland), 2020, 10, 5725.	2.5	3
15	Random Vibration Fatigue Analysis Using a Nonlinear Cumulative Damage Model. Applied Sciences (Switzerland), 2022, 12, 4310.	2.5	3
16	Weibull accelerated life testing analysis with several variables using multiple linear regression. DYNA (Colombia), 2015, 82, 156-162.	0.4	2
17	AnÃ¡lisis metodolÃ³gico del esfuerzo normal Ïƒyy basado en deflexiÃ³n elÃ¡stica. Revista De Ciencias TecnolÃ“gicas, 2020, 2, 166-180.	0.1	2
18	Probabilistic Linear Time-Dependent Stress Beam Analysis and Its Stress-Strength Reliability. Applied Sciences (Switzerland), 2021, 11, 3459.	2.5	0

#	Article	IF	Citations
19	MÃ©todo Weibull para la reducciÃ³n de tiempo de prueba ambiental para divisor Ã³ptico. Revista De Ciencias TecnolÃ“gicas, 2020, 2, 137-143.	0.1	0