

# Carlos Morillo

## List of Publications by Year in descending order

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17  
papers

590  
citations

1163117

8  
h-index

1199594

12  
g-index

17  
all docs

17  
docs citations

17  
times ranked

803  
citing authors

#	ARTICLE	IF	CITATIONS
1	Motor Bearing Fault Detection Using Spectral Kurtosis-Based Feature Extraction Coupled With $K$ -Nearest Neighbor Distance Analysis. IEEE Transactions on Industrial Electronics, 2016, 63, 1793-1803.	7.9	372
2	Tribological and microstructural analysis of Al <sub>2</sub> O <sub>3</sub> /TiO <sub>2</sub> nanocomposites to use in the femoral head of hip replacement. Wear, 2003, 255, 1040-1044.	3.1	65
3	Detection and Reliability Risks of Counterfeit Electrolytic Capacitors. IEEE Transactions on Reliability, 2014, 63, 468-479.	4.6	27
4	Failure mechanisms of ball bearings under lightly loaded, non-accelerated usage conditions. Tribology International, 2015, 81, 291-299.	5.9	23
5	Carburizing of low-melting-point metals by pulsed nanocrystalline plasma electrolytic carburizing. Surface and Coatings Technology, 2008, 202, 5493-5496.	4.8	22
6	Comparative evaluation of metal and polymer ball bearings. Wear, 2013, 302, 1499-1505.	3.1	20
7	Viscoplastic properties of pressure-less sintered silver materials using indentation. Microelectronics Reliability, 2017, 74, 121-130.	1.7	15
8	Rolling element bearing fault diagnosis using simulated annealing optimized spectral kurtosis. , 2013, , .		13
9	Effect of bovine serum constituents on the surface of the tribological pair alumina/alumina nanocomposites for total hip replacement. Tribology International, 2010, 43, 1158-1162.	5.9	9
10	Detection of capacitor electrolyte residues with FTIR in failure analysis. Journal of Materials Science: Materials in Electronics, 2014, 25, 635-644.	2.2	7
11	Ageing Characteristics of Green Mold Compound for Use in Encapsulation of Microelectronic Devices. , 2018, , .		6
12	Effects of Moisture and Temperature on Membrane Switches in Laptop Keyboards. IEEE Transactions on Device and Materials Reliability, 2018, 18, 535-545.	2.0	5
13	Influence of Different Counterfaces on Tribological Behaviors of Al <sub>2</sub> O <sub>3</sub> Nanocomposites for Joint Prostheses. Tribology Online, 2009, 4, 127-130.	0.9	3
14	Wear Mechanisms of PTFE in Humidified Hydrogen Gas. , 2011, , .		2
15	Tribological Characteristics of Al <sub>2</sub> O <sub>3</sub> Nanocomposites for Joint Prostheses. Journal of Biomechanical Science and Engineering, 2008, 3, 356-367.	0.3	1
16	Tribological Analysis of Alumina Nanocomposites for Orthopedics Applications. , 2008, , .		0
17	A Scanning-Probe Technique for Mapping the Hardness of Lead-Free Solders. Materials Research Society Symposia Proceedings, 2014, 1652, 1.	0.1	0