Har Prashad

List of Publications by Year
in descending order

24 papers	450 citations	687363 13 h-index	713466 21 g-index
24 all docs	24 docs citations	24 times ranked	101 citing authors

#	Article	IF	Citations
1	Effect of operating parameters on the threshold voltages and impedance response of non-insulated rolling element bearings under the action of electrical currents. Wear, 1987, 117, 223-240.	3.1	68
2	Theoretical evaluation of impedance, capacitance and charge accumulation on roller bearings operated under electrical fields. Wear, 1988, 125, 223-239.	3.1	33
3	Investigation of damaged rolling-element bearings and deterioration of lubricants under the influence of electric fields. Wear, 1994, 176, 151-161.	3.1	33
4	Theoretical Analysis of the Effects of Instantaneous Charge Leakage on Roller Tracks of Roller Bearings Lubricated With High Resistivity Lubricants Under the Influence of Electric Current. Journal of Tribology, 1990, 112, 37-43.	1.9	28
5	The Effect of Cage and Roller Slip on the Measured Defect Frequency Response of Rolling-Element Bearings. ASLE Transactions, 1987, 30, 360-367.	0.6	27
6	Diagnosis of Rolling-Element Bearings Failure by Localized Electrical Current Between Track Surfaces of Races and Rolling-Elements. Journal of Tribology, 2002, 124, 468-473.	1.9	27
7	Appearance of craters on track surface of rolling element bearings by spark erosion. Tribology International, 2001, 34, 39-47.	5.9	23
8	Diagnosis of Deterioration of Lithium Greases Used in Rolling-Element Bearings by X-ray Diffractrometry. Tribology Transactions, 1989, 32, 205-214.	2.0	22
9	Analysis of the effects of an electric current on contact temperature, contact stresses and slip band initiation on the roller tracks of roller bearings. Wear, 1989, 131, 1-14.	3.1	21
10	The Effects of Current Leakage on Electroadhesion Forces in Rolling Friction and Magnetic Flux Density Distribution on the Surface of Rolling Element Bearings. Journal of Tribology, 1988, 110, 448-455.	1.9	20
11	Diagnosis of failure of rolling-element bearings of alternatorsâ€"a study. Wear, 1996, 198, 46-51.	3.1	19
12	Theoretical Analysis of Capacitive Effect of Roller Bearings on Repeated Starts and Stops of a Machine Operating Under the Influence of Shaft Voltages. Journal of Tribology, 1992, 114, 818-822.	1.9	17
13	Determination of Time Span for the Appearance of Flutes on the Track Surface of Rolling-Element Bearings Under the Influence of Electric Current. Tribology Transactions, 1998, 41, 103-109.	2.0	14
14	A New Generation Double Decker High Precision Rolling Element Bearing â€" Concept, Development and Investigations. Tribology Transactions, 2001, 44, 203-208.	2.0	14
15	Theoretical and experimental investigations on the pitch and width of corrugations on the surfaces of ball bearings. Wear, 1991, 143, 1-14.	3.1	13
16	Determination of magnetic flux density on the surfaces of rolling-element bearings as an indication of the current that has passed through themâ€"an investigation. Tribology International, 1999, 32, 455-467.	5.9	13
17	Magnetic Flux Density Distribution on the Track Surface of Rolling-Element Bearingsâ€“An Experimental and Theoretical Investigation. Tribology Transactions, 1996, 39, 386-391.	2.0	12
18	Theoretical Evaluation of Reduction in the Life of Hydrodynamic Journal Bearings Operating Under the Influence of Different Levels of Shaft Voltages. Tribology Transactions, 1991, 34, 623-627.	2.0	11

#	Article	IF	Citations
19	Analysis of Capacitive Effect and Life Estimation of Hydrodynamic Journal Bearings on Repeated Starts and Stops of a Machine Operating Under the Influence of Shaft Voltages. Tribology Transactions, 1994, 37, 641-645.	2.0	8
20	An Approach to Evaluate Capacitance, Capacitive Reactance and Resistance of Pivoted Pads of a Thrust Bearing. Tribology Transactions, 1992, 35, 435-440.	2.0	7
21	Evaluation of Dynamic Coefficients of a Two-Lobe Journal Bearing Using an Electrical Analogy Approach. Journal of Tribology, 1996, 118, 657-662.	1.9	6
22	The deterioration of lithium greases under the influence of electric currentâ€"an investigation. Lubrication Science, 1998, 10, 323-342.	2.1	5
23	A study of electrical pitting of journal bearings with water-contaminated lubricant. TriboTest Journal: Tribology and Lubrication in Practice, 2000, 7, 115-124.	0.7	5
24	Diagnosis of bearing problem of synchronous condenserâ€"an experimental and theoretical investigation. Wear, 1995, 188, 97-101.	3.1	4