Kim Berglund

List of Publications by Year
in descending order

20 papers	217 citations	1163117 8 h-index	1058476 14 g-index
20 all docs	20 docs citations	20 times ranked	187 citing authors

#	Article	IF	Citations
1	CuO nanosheets produced in graphene oxide solution: An excellent anti-wear additive for self-lubricating polymer composites. Composites Science and Technology, 2018, 162, 86-92.	7.8	37
2	Bearing monitoring in the wind turbine drivetrain: A comparative study of the FFT and wavelet transforms. Wind Energy, 2020, 23, 1381-1393.	4.2	37
3	Tribological behaviour and transfer layer development of self-lubricating polymer composite bearing materials under long duration dry sliding against stainless steel. Wear, 2021, 484-485, 204027.	3.1	23
4	Mother wavelet selection in the discrete wavelet transform for condition monitoring of wind turbine drivetrain bearings. Wind Energy, 2019, 22, 1581-1592.	4.2	22
5	Tribological characterisation of polymer composites for hydropower bearings: Experimentally developed versus commercial materials. Tribology International, 2021, 162, 107101.	5.9	19
6	Material Characterization and Influence of Sliding Speed and Pressure on Friction and Wear Behavior of Self-Lubricating Bearing Materials for Hydropower Applications. Lubricants, 2018, 6, 39.	2.9	18
7	Influence of water on the tribological properties of zinc dialkyl-dithiophosphate and over-based calcium sulphonate additives in wet clutch contacts. Tribology International, 2015, 87, 113-120.	5.9	10
8	The Influence on Boundary Friction of the Permeability of Sintered Bronze. Tribology Letters, 2008, 31, 1-8.	2.6	9
9	Friction and Wear of Self-Lubricating Materials for Hydropower Applications under Different Lubricating Conditions. Lubricants, 2017, 5, 24.	2.9	6
10	Prediction of driveline vibrations caused by ageing the limited slip coupling. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2016, 230, 1687-1698.	1.9	5
11	The effect of ageing on elastohydrodynamic friction in heavy-duty diesel engine oils. Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 2017, 231, 708-715.	1.8	5
12	Integration of process monitoring and machine condition diagnostics to improve quality prediction in grinding. Procedia CIRP, 2021, 101, 170-173.	1.9	5
13	A Novel Reciprocating Tribometer for Friction and Wear Measurements with High Contact Pressure and Large Area Contact Configurations. Lubricants, 2021, 9, 123.	2.9	4
14	An implementation framework for condition-based maintenance in a bearing ring grinder. Procedia CIRP, 2022, 107, 746-751.	1.9	4
15	A unified approach towards performance monitoring and condition-based maintenance in grinding machines. Procedia CIRP, 2020, 93, 1388-1393.	1.9	3
16	Increasing Wind Turbine Drivetrain Bearing Vibration Monitoring Detectability Using an Artificial Neural Network Implementation. Applied Sciences (Switzerland), 2021, 11, 3588.	2.5	3
17	Effect of stroke length on friction and wear of self-lubricating polymer composites during dry sliding against stainless steel at high contact pressures. Wear, 2022, 502-503, 204393.	3.1	3
18	Wet Clutch Degradation Monitored by Lubricant Analysis. , 2010, , .		2

#	Article	IF	Citations
19	Evaluating lifetime performance of limited slip differentials. Lubrication Science, 2014, 26, 189-201.	2.1	2
20	Multi-body simulation and validation of fault vibrations from rolling-element bearings. Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 2021, 235, 1834-1841.	1.8	0