

PÅor Marklund

List of Publications by Year in descending order

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18
papers

227
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1163117

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docs citations

18
times ranked

163
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Effect of humidity and counterface material on the friction and wear of carbon fiber reinforced PTFE composites. Tribology International, 2021, 157, 106869. | 5.9 | 46 |
| 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 | Micro-pitting Damage of Bearing Steel Surfaces under Mixed Lubrication Conditions: Effects of Roughness, Hardness and ZDDP Additive. Tribology International, 2019, 138, 239-249. | 5.9 | 31 |
| 4 | Elastohydrodynamic lubrication for the finite line contact under transient loading conditions. Tribology International, 2018, 127, 489-499. | 5.9 | 19 |
| 5 | Transient analysis of surface roughness features in thermal elastohydrodynamic contacts. Tribology International, 2020, 141, 105915. | 5.9 | 14 |
| 6 | Micro-pitting and wear characterization for different rolling bearing steels: Effect of hardness and heat treatments. Wear, 2020, 458-459, 203404. | 3.1 | 13 |
| 7 | Micro-Pitting and Wear Assessment of PAO vs Mineral-Based Engine Oil Operating under Mixed Lubrication Conditions: Effects of Lambda, Roughness Lay and Sliding Direction. Lubricants, 2019, 7, 42. | 2.9 | 11 |
| 8 | Novel Intrinsic Self-Healing Poly-Silicone-Urea with Super-Low Ice Adhesion Strength. Small, 2022, 18, e2200532. | 10.0 | 10 |
| 9 | Degradation mechanism of automatic transmission fluid by water as a contaminant. Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 2015, 229, 74-85. | 1.8 | 9 |
| 10 | Effect of roughness on the running-in behavior and tribofilm formation of carbon fiber reinforced PTFE composite in trace moisture environment. Wear, 2022, 500-501, 204367. | 3.1 | 7 |
| 11 | Optical Attenuation Characterization of Water Contaminated Lubricating Grease. Tribology Transactions, 2018, 61, 726-732. | 2.0 | 6 |
| 12 | Precise control of operating conditions in tribotesting with respect to trace humidity and contact temperature. MethodsX, 2021, 8, 101362. | 1.6 | 6 |
| 13 | Dielectric Thermoscopy Characterization of Water Contaminated Grease. Tribology Transactions, 2018, 61, 393-402. | 2.0 | 5 |
| 14 | On Waviness and Two-Sided Surface Features in Thermal Elastohydrodynamically Lubricated Line Contacts. Lubricants, 2020, 8, 64. | 2.9 | 5 |
| 15 | Influence of Lubricant Pressure Response on Subsurface Stress in Elastohydrodynamically Lubricated Finite Line Contacts. Journal of Tribology, 2019, 141, . | 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 | Evaluating lifetime performance of limited slip differentials. Lubrication Science, 2014, 26, 189-201. | 2.1 | 2 |
| 18 | Tribological characterization of potential crankshaft bearing steels for roller bearing engines. Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 2021, 235, 1365-1378. | 1.8 | 0 |