

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

30 papers	1,124 citations	14 h-index	31 g-index
31 ext. papers	1,527 ext. citations	5.9 avg, IF	5.13 L-index

#	Paper	IF	Citations
30	Hydrodynamic lubrication of textured surfaces: A review of modeling techniques and key findings. <i>Tribology International</i> , 2016 , 94, 509-529	4.9	448
29	Electrochemical synthesis of hydrogen peroxide from water and oxygen. <i>Nature Reviews Chemistry</i> , 2019 , 3, 442-458	34.6	235
28	Microstructural changes in White Etching Cracks (WECs) and their relationship with those in Dark Etching Region (DER) and White Etching Bands (WEBs) due to Rolling Contact Fatigue (RCF). <i>International Journal of Fatigue</i> , 2017 , 100, 148-158	5	53
27	Electron microscopy investigations of microstructural alterations due to classical Rolling Contact Fatigue (RCF) in martensitic AISI 52100 bearing steel. <i>International Journal of Fatigue</i> , 2017 , 98, 142-154 ⁵	5	52
26	A Novel Surface Texture Shape for Directional Friction Control. <i>Tribology Letters</i> , 2018 , 66, 1	2.8	36
25	Further understanding of rolling contact fatigue in rolling element bearings - A review. <i>Tribology International</i> , 2019 , 140, 105849	4.9	36
24	Numerical analysis and optimization of surface textures for a tilting pad thrust bearing. <i>Tribology International</i> , 2018 , 124, 134-144	4.9	35
23	The use of anisotropic texturing for control of directional friction. <i>Tribology International</i> , 2017 , 113, 169-181	4.9	29
22	A numerical model for design and optimization of surface textures for tilting pad thrust bearings. <i>Tribology International</i> , 2018 , 119, 190-207	4.9	27
21	Boron-Doped Diamond Electrocatalyst for Enhanced Anodic H ₂ O ₂ Production. <i>ACS Applied Energy Materials</i> , 2020 , 3, 3169-3173	6.1	23
20	Recent Advances in Electrochemical Water Oxidation to Produce Hydrogen Peroxide: A Mechanistic Perspective. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 76-91	8.3	22
19	Developments on carbon dioxide reduction: Their promise, achievements, and challenges. <i>Current Opinion in Electrochemistry</i> , 2020 , 20, 88-98	7.2	18
18	Effective Hydrogen Peroxide Production from Electrochemical Water Oxidation. <i>ACS Energy Letters</i> , 2021 , 6, 2369-2377	20.1	17
17	Polymers with intrinsic microporosity (PIMs) for targeted CO reduction to ethylene. <i>Chemosphere</i> , 2020 , 248, 125993	8.4	14
16	High-Temperature Self-Powered Sensing System for a Smart Bearing in an Aircraft Jet Engine. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2020 , 69, 6165-6174	5.2	13
15	Electrostatic monitoring of wind turbine gearbox on oil-lubricated system. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2017 , 231, 3649-3664 ^{1,3}	1.3	10
14	Evaluation of Methods for Viscosity Simulations of Lubricants at Different Temperatures and Pressures: A Case Study on PAO-2. <i>Tribology Transactions</i> , 1-26	1.8	10

13	Re-investigation of dark etching regions and white etching bands in SAE 52100 bearing steel due to rolling contact fatigue. <i>International Journal of Fatigue</i> , 2020 , 136, 105591	5	9
12	Future perspectives for the advancement of electrochemical hydrogen peroxide production. <i>Current Opinion in Electrochemistry</i> , 2021 , 30, 100792	7.2	7
11	A Study on Early Stages of White Etching Crack Formation under Full Lubrication Conditions. <i>Lubricants</i> , 2022 , 10, 24	3.1	5
10	A Study on Decisive Early Stages in White Etching Crack Formation Induced by Lubrication. <i>Lubricants</i> , 2022 , 10, 96	3.1	5
9	Experimental and Simulation Studies of Strength and Fracture Behaviors of Wind Turbine Bearing Steel Processed by High Pressure Torsion. <i>Energies</i> , 2016 , 9, 1033	3.1	3
8	Semi-empirical model for predicting LAB and HAB formation in bearing steels. <i>International Journal of Fatigue</i> , 2021 , 148, 106230	5	3
7	White Etching Bands Formation Mechanisms due to Rolling Contact Fatigue. <i>Acta Materialia</i> , 2022 , 232, 117932	8.4	3
6	Simulation of rail wheel axle bearing vibration due to local damages on outer races. <i>Proceedings of the Institution of Mechanical Engineers, Part K: Journal of Multi-body Dynamics</i> , 2019 , 233, 429-440	0.9	2
5	Hydrophobic thiol coatings to facilitate a triphasic interface for carbon dioxide reduction to ethylene at gas diffusion electrodes. <i>Faraday Discussions</i> , 2021 , 230, 375-387	3.6	2
4	Design and Testing of a Sensing System for Aero-Engine Smart Bearings. <i>Proceedings (mdpi)</i> , 2018 , 2, 1005	0.3	2
3	Carbonate-Induced Electrosynthesis of Hydrogen Peroxide via Two-Electron Water Oxidation.. <i>ChemSusChem</i> , 2021 ,	8.3	1
2	Oil-cooled thermoelectric energy harvesting for aero-engine sensing system. <i>Proceedings (mdpi)</i> , 2018 , 2, 965	0.3	1
1	White etching structures in annealed 52100 bearing steel arising from high-pressure torsion tests. <i>Tribology International</i> , 2021 , 164, 107187	4.9	1