Martin Evans

List of Publications by Year
in descending order

12	998	758635 12	1199166 12
papers	citations	h-index	g-index

12	12	12	356
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	White structure flaking (WSF) in wind turbine gearbox bearings: Effects of â€˜butterfliesâ€™ and white etching cracks (WECs). Materials Science and Technology, 2012, 28, 3-22.	0.8	200
2	An updated review: White etching cracks (WECs) and axial cracks in wind turbine gearbox bearings. Materials Science and Technology, 2016, 32, 1133-1169.	0.8	141
3	Serial sectioning investigation of butterfly and white etching crack (WEC) formation in wind turbine gearbox bearings. Wear, 2013, 302, 1573-1582.	1.5	106
4	Confirming subsurface initiation at non-metallic inclusions as one mechanism for white etching crack (WEC) formation. Tribology International, 2014, 75, 87-97.	3.0	106
5	A FIB/TEM study of butterfly crack formation and white etching area (WEA) microstructural changes under rolling contact fatigue in 100Cr6 bearing steel. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2013, 570, 127-134.	2.6	104
6	Effect of hydrogen on butterfly and white etching crack (WEC) formation under rolling contact fatigue (RCF). Wear, 2013, 306, 226-241.	1.5	91
7	White etching crack (WEC) investigation by serial sectioning, focused ion beam and 3-D crack modelling. Tribology International, 2013, 65, 146-160.	3.0	59
8	The Evolution of White Etching Cracks (WECs) in Rolling Contact Fatigue-Tested 100Cr6 Steel. Tribology Letters, 2018, 66, 6.	1.2	56
9	Tribological design constraints of marine renewable energy systems. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2010, 368, 4807-4827.	1.6	46
10	The effect of over-based calcium sulfonate detergent additives on white etching crack (WEC) formation in rolling contact fatigue tested 100Cr6 steel. Tribology International, 2019, 133, 246-262.	3.0	34
11	Thermal Desorption Analysis of Hydrogen in Non-hydrogen-Charged Rolling Contact Fatigue-Tested 100Cr6 Steel. Tribology Letters, 2018, 66, 4.	1.2	31
12	Formation mechanisms of white etching cracks and white etching area under rolling contact fatigue. Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 2014, 228, 1047-1062.	1.0	24