Yutaka Mabuchi

List of Publications by Year
in descending order

13	639	1040056 9	1281871 11
papers	citations	h-index	g-index

13	13	13	374
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Examination of the Axial Shape of the Automotive Valvetrain Cam for Engine Friction Reduction. Tribology Transactions, 2017, 60, 1088-1098.	2.0	9
2	Effect of carbon diffusion on friction and wear properties of diamond-like carbon in boundary base oil lubrication. Tribology International, 2017, 113, 389-398.	5.9	22
3	Influence of carbon black in engine oil on wear of H-free diamond-like carbon coatings. Tribology International, 2014, 73, 138-147.	5.9	20
4	Influence of zinc dialkyldithiophosphate tribofilm formation on the tribological performance of self-mated diamond-like carbon contacts under boundary lubrication. Thin Solid Films, 2014, 562, 389-397.	1.8	33
5	The effect of oil temperature and additive concentration on the wear of non-hydrogenated DLC coating. Tribology International, 2014, 77, 65-71.	5.9	60
6	Wear behaviour of tetrahedral amorphous diamond-like carbon (ta-C DLC) in additive containing lubricants. Wear, 2013, 307, 1-9.	3.1	69
7	Wear analysis of hydrogen-free diamond-like carbon coatings under a lubricated condition. Wear, 2013, 298-299, 48-56.	3.1	29
8	Effect of sp2/sp3 bonding ratio and nitrogen content on friction properties of hydrogen-free DLC coatings. Tribology International, 2013, 62, 130-140.	5.9	84
9	Superlubricity mechanism of diamond-like carbon with glycerol. Coupling of experimental and simulation studies. Journal of Physics: Conference Series, 2007, 89, 012003.	0.4	37
10	Ultralow friction of DLC in presence of glycerol mono-oleate (GNO). Tribology Letters, 2005, 18, 245-251.	2.6	212
11	The Effect of ZDDP Additive in CVT Fluid on Increasing Friction Coefficient between Belt Elements and Pulleys of Belt-Drive Continuously Variable Transmissions. Tribology Transactions, 2000, 43, 229-236.	2.0	9
12	Research on Diamond-Like Carbon Coatings for Low-Friction Valve Lifters. , 0, , .		30
13	The Development of Hydrogen-free DLC-coated Valve-lifter. , 0, , .		25