Junhong Mao

List of Publications by Year
in descending order

11 papers	200 citations	1478505 6 h-index	1372567 10 g-index
11 all docs	11 docs citations	11 times ranked	172 citing authors

#	ARTICLE	IF	CITATIONS
1	Prediction on wear of a spur gearbox by on-line wear debris concentration monitoring. Wear, 2015, 336-337, 1-8.	3.1	55
2	An Inductive Debris Sensor Based on a High-Gradient Magnetic Field. IEEE Sensors Journal, 2019, 19, 2879-2886.	4.7	49
3	Engine Wear Monitoring with OLVF. Tribology Transactions, 2011, 54, 201-207.	2.0	40
4	A direct reflection OLVF debris detector based on dark-field imaging. Measurement Science and Technology, 2018, 29, 065104.	2.6	19
5	A Ferromagnetic Wear Particle Sensor Based on a Rotational Symmetry High-Gradient Magnetostatic Field. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-9.	4.7	16
6	Wear Debris Segmentation of Reflection Ferrograms Using Lightweight Residual U-Net. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-11.	4.7	9
7	An experimental method for measuring friction behaviors of linear rolling guides. Science Bulletin, 2014, 59, 3912-3918.	1.7	4
8	A Deposition Rate-Based Index of Debris Concentration and its Extraction Method for Online Image Visual Ferrography. Tribology Transactions, 2021, 64, 1035-1045.	2.0	4
9	Design and implementation of an active rectangular aerostatic thrust bearing stage with electromagnetic actuators. Science Bulletin, 2009, 54, 858-864.	9.0	3
10	Design of magnet arrays for permanent magnetic linear motor. Frontiers of Electrical and Electronic Engineering in China: Selected Publications From Chinese Universities, 2008, 3, 358-363.	0.6	1
11	Wear Particle Chain Segmentation Based on the Nearest Neighbor Method. , 2019, , .		0