

Bin Fan

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6627353/publications.pdf>

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8
papers

115
citations

1478505
6
h-index

1588992
8
g-index

8
all docs

8
docs citations

8
times ranked

106
citing authors

#	ARTICLE	IF	CITATIONS
1	Prediction on wear of a spur gearbox by on-line wear debris concentration monitoring. <i>Wear</i> , 2015, 336-337, 1-8.	3.1	55
2	A Ferromagnetic Wear Particle Sensor Based on a Rotational Symmetry High-Gradient Magnetostatic Field. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021, 70, 1-9.	4.7	16
3	A Wear Particle Sensor Using Multiple Inductive Coils Under a Toroidal Magnetic Field. <i>IEEE Access</i> , 2021, 9, 6250-6258.	4.2	12
4	Wear Debris Segmentation of Reflection Ferrograms Using Lightweight Residual U-Net. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021, 70, 1-11.	4.7	9
5	Rapid warning of wind turbine blade icing based on MIV-tSNE-RNN. <i>Journal of Mechanical Science and Technology</i> , 2021, 35, 5453-5459.	1.5	9
6	Sensing Model for Detecting Ferromagnetic Debris Based on a High-Gradient Magnetostatic Field. <i>IEEE/ASME Transactions on Mechatronics</i> , 2022, 27, 2440-2449.	5.8	7
7	A Deposition Rate-Based Index of Debris Concentration and its Extraction Method for Online Image Visual Ferrography. <i>Tribology Transactions</i> , 2021, 64, 1035-1045.	2.0	4
8	The Enhancement of Weak Bearing Fault Signatures by Stochastic Resonance with a Novel Potential Function. <i>Energies</i> , 2020, 13, 6348.	3.1	3