

Xiangyu Dai

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Study of Perfluoropolyether Lubricant Consumption and Recovery in Heat Assisted Magnetic Recording Using Molecular Dynamics Simulation Method. IEEE Transactions on Magnetics, 2016, , 1-1.	2.1	7
2	Simulation of particle rebounding from the slider air bearing surface. Microsystem Technologies, 2016, 22, 1475-1481.	2.0	7
3	Simulation of temperature around laser-heating media in heat-assisted magnetic recording. Microsystem Technologies, 2016, 22, 2877-2882.	2.0	6
4	Suppressing flow-induced vibration of HGA by an acoustic PZT actuator in hard disk drives. Microsystem Technologies, 2016, 22, 1467-1474.	2.0	5
5	Modeling of formation and breaking of lubricant bridge in the head-disk interface by molecular dynamic simulation. Molecular Simulation, 2018, 44, 94-99.	2.0	4
6	Simulation of Air Flow and Particle Trajectories in the Head-disk Interface. IEEE Transactions on Magnetics, 2016, 52, 1-5.	2.1	3
7	Study of formation and development of lubricant bridge in head-disk interface using molecular dynamic method. IEEE Transactions on Magnetics, 2016, , 1-1.	2.1	3
8	Study of adhered particle's secondary migration on the slider air bearing surface. Microsystem Technologies, 2017, 23, 4871-4877.	2.0	2
9	Effects of Arm Swing on Particle Trajectories in HDD Using the CFD Dynamic Mesh Method. IEEE Transactions on Magnetics, 2016, , 1-1.	2.1	1
10	Effect of Track-Seeking Motion on Off-Track Vibrations of the Head-Gimbal Assembly in HDDs. IEEE Transactions on Magnetics, 2018, , 1-6.	2.1	1
11	Numerical Study of Particle Rebound in the Head-disk Interface. IEEE Transactions on Magnetics, 2018, 54, 1-5.	2.1	1
12	MoP-5 SIMULATION OF THE INTERACTION BETWEEN PARTICLE AND SLIDER SURFACE. Proceedings of JSME-IIP/ASME-ISPS Joint Conference on Micromechatronics for Information and Precision Equipment IIP/ISPS Joint MIPE, 2015, 2015, _MoP-5-1_-_MoP-5-3_.	0.0	1
13	Effects of temperature on particle trajectories inside hard disk drives. Microsystem Technologies, 2017, 23, 5221-5227.	2.0	0