

# Nenzi Wang

## List of Publications by Year in descending order

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32  
papers

414  
citations

687363

13  
h-index

752698

20  
g-index

32  
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32  
docs citations

32  
times ranked

145  
citing authors

#	ARTICLE	IF	CITATIONS
1	Assessment of artificial neural network for thermohydrodynamic lubrication analysis. <i>Industrial Lubrication and Tribology</i> , 2020, 72, 1233-1238.	1.3	8
2	The benefits of concurrent computing in tribology system design. <i>Tribology International</i> , 2019, 132, 85-98.	5.9	2
3	Fluid-film lubrication computing with many-core processors and graphics processing units. <i>Advances in Mechanical Engineering</i> , 2018, 10, 168781401880471.	1.6	0
4	A two-stage multiobjective optimization algorithm for porous air bearing design. <i>Tribology International</i> , 2016, 93, 355-363.	5.9	7
5	Effects of Shaft Axial Motion and Misalignment on the Lubrication Performance of Journal Bearings Via a Fast Mixed EHL Computing Technology. <i>Tribology Transactions</i> , 2015, 58, 247-259.	2.0	33
6	Multiobjective design of porous air bearing using group inching fortification method. <i>Journal of Advanced Mechanical Design, Systems and Manufacturing</i> , 2015, 9, JAMDSM0060-JAMDSM0060.	0.7	0
7	Exploration on a Fast EHL Computing Technology for Analyzing Journal Bearings with Engineered Surface Textures. <i>Tribology Transactions</i> , 2014, 57, 206-215.	2.0	22
8	Stability analysis for the crankshaft grinding machine subjected to a variable-position worktable. <i>International Journal of Advanced Manufacturing Technology</i> , 2013, 67, 501-516.	3.0	9
9	Parallel Optimum Design of Foil Bearing Using Particle Swarm Optimization Method. <i>Tribology Transactions</i> , 2013, 56, 453-460.	2.0	20
10	Parallel Iterative Solution Schemes for the Analysis of Air Foil Bearings. <i>Journal of Mechanics</i> , 2012, 28, 413-422.	1.4	7
11	Workstation Computing of Discretized Reynolds Equations. <i>Tribology Transactions</i> , 2012, 55, 288-296.	2.0	6
12	Fast Convergence of Iterative Computation for Incompressible-Fluid Reynolds Equation. <i>Journal of Tribology</i> , 2012, 134, .	1.9	8
13	Comparison of Iterative Methods for the Solution of Compressible-Fluid Reynolds Equation. <i>Journal of Tribology</i> , 2011, 133, .	1.9	19
14	Multi-objective optimization of air bearings using hypercube-dividing method. <i>Tribology International</i> , 2010, 43, 1631-1638.	5.9	17
15	Stopping Criterion in Iterative Solution Methods for Reynolds Equations. <i>Tribology Transactions</i> , 2010, 53, 739-747.	2.0	16
16	A Study of Parallel Efficiency of Modified Direct Algorithm Applied to Thermohydrodynamic Lubrication. <i>Journal of Mechanics</i> , 2009, 25, 143-150.	1.4	11
17	Optimum design of externally pressurized air bearing using Cluster OpenMP. <i>Tribology International</i> , 2009, 42, 1180-1186.	5.9	22
18	An efficient global optimization algorithm for multifactor dynamic systems. <i>Journal of the Chinese Institute of Engineers, Transactions of the Chinese Institute of Engineers, Series A/Chung-kuo Kung Ch'eng Hsueh K'an</i> , 2008, 31, 933-941.	1.1	1

#	ARTICLE	IF	CITATIONS
19	Application of Thread-Level Parallel Programming to Thermohydrodynamic Lubrication Computation. Tribology Transactions, 2006, 49, 473-481.	2.0	10
20	Multi-criterion optimization for heel-toe running. Journal of Biomechanics, 2005, 38, 1712-1716.	2.1	8
21	A parallel computing application of the genetic algorithm for lubrication optimization. Tribology Letters, 2005, 18, 105-112.	2.6	21
22	Performance Evaluation of DIRECT Algorithm in Parallel Optimization for a Thermohydrodynamic Lubrication Analysis. , 2005, , 57.		0
23	A Parametric Study of an Open-Source Distributed Computing Environment for Tribological Studies. Tribology Transactions, 2005, 48, 1-8.	2.0	20
24	A Divide-and-Conquer Parallel Computing Scheme for the Optimization Analysis of Tribological Systems. Tribology Transactions, 2004, 47, 313-320.	2.0	13
25	Application of the Genetic Algorithm to the Multi-Objective Optimization of Air Bearings. Tribology Letters, 2004, 17, 119-128.	2.6	30
26	The Application of Nearly Embarrassingly Parallel Computation in the Optimization of Fluid-Film Lubrication. Tribology Transactions, 2004, 47, 34-42.	2.0	9
27	Application of Taguchi's Design of Experiments to the Study of Biomechanical Systems. Journal of Applied Biomechanics, 2004, 20, 219-229.	0.8	2
28	A Hybrid Search Algorithm for Porous Air Bearings Optimization. Tribology Transactions, 2002, 45, 471-477.	2.0	13
29	Applications of Unconstrained Minimization Methods to the Dynamic Analysis of Air-Lubricated Bearings. Tribology Transactions, 2001, 44, 159-166.	2.0	3
30	A Simulated Air Bearing Analysis by Design of Experiments and Its Applications in Optimization. Tribology Transactions, 2001, 44, 597-602.	2.0	7
31	Engineering Optimum Design of Fluid-Film Lubricated Bearings. Tribology Transactions, 2000, 43, 377-386.	2.0	34
32	An Application of Newton's Method to the Lubrication Analysis of Air-Lubricated Bearings. Tribology Transactions, 1999, 42, 419-424.	2.0	36