

Nenzi Wang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8514261/publications.pdf>

Version: 2024-02-01

32
papers

414
citations

687363

13
h-index

752698

20
g-index

32
all docs

32
docs citations

32
times ranked

145
citing authors

#	ARTICLE	IF	CITATIONS
1	An Application of Newton's Method to the Lubrication Analysis of Air-Lubricated Bearings. Tribology Transactions, 1999, 42, 419-424.	2.0	36
2	Engineering Optimum Design of Fluid-Film Lubricated Bearings. Tribology Transactions, 2000, 43, 377-386.	2.0	34
3	Effects of Shaft Axial Motion and Misalignment on the Lubrication Performance of Journal Bearings Via a Fast Mixed EHL Computing Technology. Tribology Transactions, 2015, 58, 247-259.	2.0	33
4	Application of the Genetic Algorithm to the Multi-Objective Optimization of Air Bearings. Tribology Letters, 2004, 17, 119-128.	2.6	30
5	Optimum design of externally pressurized air bearing using Cluster OpenMP. Tribology International, 2009, 42, 1180-1186.	5.9	22
6	Exploration on a Fast EHL Computing Technology for Analyzing Journal Bearings with Engineered Surface Textures. Tribology Transactions, 2014, 57, 206-215.	2.0	22
7	A parallel computing application of the genetic algorithm for lubrication optimization. Tribology Letters, 2005, 18, 105-112.	2.6	21
8	A Parametric Study of an Open-Source Distributed Computing Environment for Tribological Studies. Tribology Transactions, 2005, 48, 1-8.	2.0	20
9	Parallel Optimum Design of Foil Bearing Using Particle Swarm Optimization Method. Tribology Transactions, 2013, 56, 453-460.	2.0	20
10	Comparison of Iterative Methods for the Solution of Compressible-Fluid Reynolds Equation. Journal of Tribology, 2011, 133, .	1.9	19
11	Multi-objective optimization of air bearings using hypercube-dividing method. Tribology International, 2010, 43, 1631-1638.	5.9	17
12	Stopping Criterion in Iterative Solution Methods for Reynolds Equations. Tribology Transactions, 2010, 53, 739-747.	2.0	16
13	A Hybrid Search Algorithm for Porous Air Bearings Optimization. Tribology Transactions, 2002, 45, 471-477.	2.0	13
14	A Divide-and-Conquer Parallel Computing Scheme for the Optimization Analysis of Tribological Systems. Tribology Transactions, 2004, 47, 313-320.	2.0	13
15	A Study of Parallel Efficiency of Modified Direct Algorithm Applied to Thermohydrodynamic Lubrication. Journal of Mechanics, 2009, 25, 143-150.	1.4	11
16	Application of Thread-Level Parallel Programming to Thermohydrodynamic Lubrication Computation. Tribology Transactions, 2006, 49, 473-481.	2.0	10
17	The Application of Nearly Embarrassingly Parallel Computation in the Optimization of Fluid-Film Lubrication. Tribology Transactions, 2004, 47, 34-42.	2.0	9
18	Stability analysis for the crankshaft grinding machine subjected to a variable-position worktable. International Journal of Advanced Manufacturing Technology, 2013, 67, 501-516.	3.0	9

#	ARTICLE	IF	CITATIONS
19	Multi-criterion optimization for heel-toe running. Journal of Biomechanics, 2005, 38, 1712-1716.	2.1	8
20	Fast Convergence of Iterative Computation for Incompressible-Fluid Reynolds Equation. Journal of Tribology, 2012, 134, .	1.9	8
21	Assessment of artificial neural network for thermohydrodynamic lubrication analysis. Industrial Lubrication and Tribology, 2020, 72, 1233-1238.	1.3	8
22	A Simulated Air Bearing Analysis by Design of Experiments and Its Applications in Optimization. Tribology Transactions, 2001, 44, 597-602.	2.0	7
23	Parallel Iterative Solution Schemes for the Analysis of Air Foil Bearings. Journal of Mechanics, 2012, 28, 413-422.	1.4	7
24	A two-stage multiobjective optimization algorithm for porous air bearing design. Tribology International, 2016, 93, 355-363.	5.9	7
25	Workstation Computing of Discretized Reynolds Equations. Tribology Transactions, 2012, 55, 288-296.	2.0	6
26	Applications of Unconstrained Minimization Methods to the Dynamic Analysis of Air-Lubricated Bearings. Tribology Transactions, 2001, 44, 159-166.	2.0	3
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	The benefits of concurrent computing in tribology system design. Tribology International, 2019, 132, 85-98.	5.9	2
29	An efficient global optimization algorithm for multifactor dynamic systems. Journal of the Chinese Institute of Engineers, Transactions of the Chinese Institute of Engineers, Series A/Chung-kuo Kung Ch'eng Hsueh K'uan, 2008, 31, 933-941.	1.1	1
30	Performance Evaluation of DIRECT Algorithm in Parallel Optimization for a Thermohydrodynamic Lubrication Analysis. , 2005, , 57.		0
31	Multiobjective design of porous air bearing using group inching fortification method. Journal of Advanced Mechanical Design, Systems and Manufacturing, 2015, 9, JAMDSM0060-JAMDSM0060.	0.7	0
32	Fluid-film lubrication computing with many-core processors and graphics processing units. Advances in Mechanical Engineering, 2018, 10, 168781401880471.	1.6	0