

Yi-Jui chiu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/302743/publications.pdf>

Version: 2024-02-01

53
papers

478
citations

759233

12
h-index

752698

20
g-index

55
all docs

55
docs citations

55
times ranked

325
citing authors

#	ARTICLE	IF	CITATIONS
1	A Traceable and Privacy-Preserving Authentication for UAV Communication Control System. <i>Electronics (Switzerland)</i> , 2020, 9, 62.	3.1	51
2	The coupled vibration in a rotating multi-disk rotor system. <i>International Journal of Mechanical Sciences</i> , 2011, 53, 1-10.	6.7	47
3	Multi-wedge Cross Wedge Rolling Process of 42CrMo4 Large and Long Hollow Shaft. <i>Rare Metal Materials and Engineering</i> , 2016, 45, 836-842.	0.8	38
4	The influence on coupling vibration of a rotor system due to a mistuned blade length. <i>International Journal of Mechanical Sciences</i> , 2007, 49, 522-532.	6.7	37
5	The coupled vibration in a rotating multi-disk rotor system with grouped blades. <i>Journal of Mechanical Science and Technology</i> , 2014, 28, 1653-1662.	1.5	26
6	The Influence of a Mistuned Blade's Stagger Angle on the Vibration and Stability of a Shaft-Disk-Blade Assembly. <i>Shock and Vibration</i> , 2008, 15, 3-17.	0.6	23
7	An assumed mode method and finite element method investigation of the coupled vibration in a flexible-disk rotor system with lacing wires. <i>Journal of Mechanical Science and Technology</i> , 2017, 31, 577-586.	1.5	23
8	An IoT-Based Traceable Drug Anti-Counterfeiting Management System. <i>IEEE Access</i> , 2020, 8, 224532-224548.	4.2	22
9	Three-dimensional global pattern prediction for tyre tread wear. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , 2015, 229, 197-213.	1.9	19
10	Three methods for studying coupled vibration in a multi flexible disk rotor system. <i>Journal of Mechanical Science and Technology</i> , 2017, 31, 5219-5229.	1.5	18
11	The Influence of a Cracked Blade on Rotor's Free Vibration. <i>Journal of Vibration and Acoustics, Transactions of the ASME</i> , 2008, 130, .	1.6	16
12	Characteristics of Iron-Palladium alloy thin films deposited by magnetron sputtering. <i>Results in Physics</i> , 2018, 9, 17-22.	4.1	15
13	Improved Binary Symbiotic Organism Search Algorithm With Transfer Functions for Feature Selection. <i>IEEE Access</i> , 2020, 8, 225730-225744.	4.2	13
14	Numerical calculation of irregular tire wear caused by tread self-excited vibration and sensitivity analysis. <i>Journal of Mechanical Science and Technology</i> , 2013, 27, 1923-1931.	1.5	12
15	Localized Deformation and Fracture Behaviors in InP Single Crystals by Indentation. <i>Micromachines</i> , 2018, 9, 611.	2.9	11
16	A Traceable Online Will System Based on Blockchain and Smart Contract Technology. <i>Symmetry</i> , 2021, 13, 466.	2.2	11
17	Nanoindentation Study of FePt Thin Films Deposited by Radio Frequency Magnetron Sputtering. <i>Nanoscience and Nanotechnology Letters</i> , 2016, 8, 260-265.	0.4	10
18	Transmission ratio optimization of two-speed gearbox in battery electric passenger vehicles. <i>Advances in Mechanical Engineering</i> , 2021, 13, 168781402110228.	1.6	8

#	ARTICLE	IF	CITATIONS
19	The Minimization Method of Measuring Errors for Balancing Asymmetrical Rotors. JSME International Journal Series C-Mechanical Systems Machine Elements and Manufacturing, 2003, 46, 1017-1025.	0.3	6
20	Shaft-Torsion and Blade-Bending Coupling Vibrations in a Rotor System with Grouped Blades. Journal of System Design and Dynamics, 2007, 1, 748-759.	0.3	6
21	Contact pressure of high-voltage DC power relay change and life prediction and structure optimization. Advances in Mechanical Engineering, 2021, 13, 168781402199166.	1.6	6
22	Based on lacing wires influence of coupling vibration of a multi flexible disks turbine rotor system by two methods. Journal of Vibroengineering, 2017, 19, 1314-1331.	1.0	6
23	Determination of a coupling equation for milling parameters based on optimal cutting temperature. International Journal of Advanced Manufacturing Technology, 2018, 98, 129-141.	3.0	5
24	Experiment and Analysis of Cord Stress on High-Speed Radial Tire Standing Waves. Shock and Vibration, 2019, 2019, 1-9.	0.6	5
25	Mechanical Properties and Fracture Toughness of AlN Thin Films Deposited Using Helicon Sputtering. Nanoscience and Nanotechnology Letters, 2017, 9, 562-566.	0.4	5
26	Damping Property and Vibration Analysis of Blades with Viscoelastic Layers. Journal of System Design and Dynamics, 2007, 1, 340-351.	0.3	4
27	Influence on Coupling Vibration of Rotor System with Grouped Blades due to Mistuned Lacing Wire. Applied Mechanics and Materials, 0, 101-102, 1119-1125.	0.2	4
28	The Indentation-Induced Pop-in Phenomenon and Fracture Behaviors of GaP(100) Single-Crystal. Micromachines, 2019, 10, 752.	2.9	4
29	Multi-group discrete symbiotic organisms search applied in traveling salesman problems. Soft Computing, 2022, 26, 4363-4373.	3.6	4
30	The Parameters Optimizing Design of Double Suspension Arm Torsion Bar in the Electric Sight-Seeing Car by Random Vibration Analyzing Method. Shock and Vibration, 2017, 2017, 1-9.	0.6	3
31	An Internet-of-Things-based Sensing Rural Medical Care System. Sensors and Materials, 2019, 31, 1037.	0.5	3
32	Research on heat-elastic coupled vibration in a rotating rigid disk rotor system. Journal of Mechanical Science and Technology, 2022, 36, 1667-1678.	1.5	3
33	The Static Design and Dynamic Analysis of the Lattice Crane Truss. , 2012, , .		2
34	Exploration of coupled-vibration phenomena in multi-disk rotor with blades with multi-cracks. Advances in Mechanical Engineering, 2019, 11, 168781401983739.	1.6	2
35	A novel relative homogeneity thresholding method with optimization strategy. Neural Computing and Applications, 2020, 32, 8431-8449.	5.6	2
36	Research on effect of rings on coupling vibration in a rigid-disk rotor. Journal of Mechanical Science and Technology, 2020, 34, 521-530.	1.5	2

#	ARTICLE	IF	CITATIONS
37	Design and Analysis of Greenhouse Automated Guided Vehicle. Advances in Intelligent Systems and Computing, 2019, , 256-263.	0.6	2
38	Design and Experiment of Ultrasonic Cleaning for Crops. Applied Mechanics and Materials, 2012, 201-202, 697-700.	0.2	1
39	Design of Wearable Upper Limb Orthosis for Training and Rehabilitation without Actuator. Applied Mechanics and Materials, 2012, 201-202, 864-870.	0.2	1
40	Experimental and theoretical analysis of high-speed radial tire standing waves. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2020, 42, 1.	1.6	1
41	Design and Analysis of Solar Balance Cars. Advances in Intelligent Systems and Computing, 2019, , 248-255.	0.6	1
42	CPC and SMPS Systems of Monitoring Airborne Nanoparticles-Theory and Experiment. Applied Mechanics and Materials, 0, 101-102, 60-66.	0.2	0
43	The Dynamic Analysis of the Tennis Racket with the Ball Impact in the Different Area. Applied Mechanics and Materials, 2012, 201-202, 701-706.	0.2	0
44	The Study of HEPA/ULPA Filter Efficiency Certification with Properties of Semiconductor Materials in Semiconductor Industry. Advanced Materials Research, 0, 643, 120-124.	0.3	0
45	Research of non-contact body measurement technology in natural wearing state. , 2015, , .		0
46	Cr additive effects on the nanostructure, magnetic properties, and ordering kinetics of FePtCu thin films. Surface and Coatings Technology, 2018, 350, 913-917.	4.8	0
47	Design and Analysis of Tool Wear Detection Mechanism. Lecture Notes in Electrical Engineering, 2019, , 872-879.	0.4	0
48	The effect of three kinds of motion modes on cardio respiratory system. WIT Transactions on Engineering Sciences, 2014, , .	0.0	0
49	The study of non-contact anthropometry technique and method in natural wearing state. , 2017, , .		0
50	The Design of Solar Bike. , 2017, , .		0
51	Research and Simulation Analysis of Brake Energy Recovery Control Strategy for Pure Electric Vehicles. Advances in Intelligent Systems and Computing, 2020, , 103-110.	0.6	0
52	Structural Design and Analysis of Ring Steering Wheel for Old-Age Walking Vehicle. Advances in Intelligent Systems and Computing, 2020, , 125-133.	0.6	0
53	Research on Coupling Vibration of Disk Crack and Shaft Crack of Rotor System Based on Finite Element Method. Advances in Intelligent Systems and Computing, 2020, , 111-116.	0.6	0