

Yi-Jui chiu

List of Publications by Year in descending order

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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 | 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 |
| 2 | Multi-group discrete symbiotic organisms search applied in traveling salesman problems. Soft Computing, 2022, 26, 4363-4373. | 3.6 | 4 |
| 3 | 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 |
| 4 | A Traceable Online Will System Based on Blockchain and Smart Contract Technology. Symmetry, 2021, 13, 466. | 2.2 | 11 |
| 5 | Transmission ratio optimization of two-speed gearbox in battery electric passenger vehicles. Advances in Mechanical Engineering, 2021, 13, 168781402110228. | 1.6 | 8 |
| 6 | A novel relative homogeneity thresholding method with optimization strategy. Neural Computing and Applications, 2020, 32, 8431-8449. | 5.6 | 2 |
| 7 | A Traceable and Privacy-Preserving Authentication for UAV Communication Control System. Electronics (Switzerland), 2020, 9, 62. | 3.1 | 51 |
| 8 | An IoT-Based Traceable Drug Anti-Counterfeiting Management System. IEEE Access, 2020, 8, 224532-224548. | 4.2 | 22 |
| 9 | 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 |
| 10 | 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 |
| 11 | Improved Binary Symbiotic Organism Search Algorithm With Transfer Functions for Feature Selection. IEEE Access, 2020, 8, 225730-225744. | 4.2 | 13 |
| 12 | 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 |
| 13 | 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 |
| 14 | 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 |
| 15 | The Indentation-Induced Pop-in Phenomenon and Fracture Behaviors of GaP(100) Single-Crystal. Micromachines, 2019, 10, 752. | 2.9 | 4 |
| 16 | Experiment and Analysis of Cord Stress on High-Speed Radial Tire Standing Waves. Shock and Vibration, 2019, 2019, 1-9. | 0.6 | 5 |
| 17 | Design and Analysis of Tool Wear Detection Mechanism. Lecture Notes in Electrical Engineering, 2019, , 872-879. | 0.4 | 0 |
| 18 | Exploration of coupled-vibration phenomena in multi-disk rotor with blades with multi-cracks. Advances in Mechanical Engineering, 2019, 11, 168781401983739. | 1.6 | 2 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Design and Analysis of Solar Balance Cars. Advances in Intelligent Systems and Computing, 2019, , 248-255. | 0.6 | 1 |
| 20 | Design and Analysis of Greenhouse Automated Guided Vehicle. Advances in Intelligent Systems and Computing, 2019, , 256-263. | 0.6 | 2 |
| 21 | An Internet-of-Things-based Sensing Rural Medical Care System. Sensors and Materials, 2019, 31, 1037. | 0.5 | 3 |
| 22 | Characteristics of Iron-Palladium alloy thin films deposited by magnetron sputtering. Results in Physics, 2018, 9, 17-22. | 4.1 | 15 |
| 23 | 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 |
| 24 | 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 |
| 25 | Localized Deformation and Fracture Behaviors in InP Single Crystals by Indentation. Micromachines, 2018, 9, 611. | 2.9 | 11 |
| 26 | An assumed mode method and finite element method investigation of the coupled vibration in a flexible-disk rotor system with lacing wires. Journal of Mechanical Science and Technology, 2017, 31, 577-586. | 1.5 | 23 |
| 27 | Three methods for studying coupled vibration in a multi flexible disk rotor system. Journal of Mechanical Science and Technology, 2017, 31, 5219-5229. | 1.5 | 18 |
| 28 | 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 |
| 29 | Mechanical Properties and Fracture Toughness of AlN Thin Films Deposited Using Helicon Sputtering. Nanoscience and Nanotechnology Letters, 2017, 9, 562-566. | 0.4 | 5 |
| 30 | 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 |
| 31 | The study of non-contact anthropometry technique and method in natural wearing state. , 2017, , . | | 0 |
| 32 | The Design of Solar Bike. , 2017, , . | | 0 |
| 33 | Multi-wedge Cross Wedge Rolling Process of 42CrMo4 Large and Long Hollow Shaft. Rare Metal Materials and Engineering, 2016, 45, 836-842. | 0.8 | 38 |
| 34 | Nanoindentation Study of FePt Thin Films Deposited by Radio Frequency Magnetron Sputtering. Nanoscience and Nanotechnology Letters, 2016, 8, 260-265. | 0.4 | 10 |
| 35 | Three-dimensional global pattern prediction for tyre tread wear. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2015, 229, 197-213. | 1.9 | 19 |
| 36 | Research of non-contact body measurement technology in natural wearing state. , 2015, , . | | 0 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | The coupled vibration in a rotating multi-disk rotor system with grouped blades. Journal of Mechanical Science and Technology, 2014, 28, 1653-1662. | 1.5 | 26 |
| 38 | The effect of three kinds of motion modes on cardio respiratory system. WIT Transactions on Engineering Sciences, 2014, , . | 0.0 | 0 |
| 39 | Numerical calculation of irregular tire wear caused by tread self-excited vibration and sensitivity analysis. Journal of Mechanical Science and Technology, 2013, 27, 1923-1931. | 1.5 | 12 |
| 40 | Design and Experiment of Ultrasonic Cleaning for Crops. Applied Mechanics and Materials, 2012, 201-202, 697-700. | 0.2 | 1 |
| 41 | Design of Wearable Upper Limb Orthosis for Training and Rehabilitation without Actuator. Applied Mechanics and Materials, 2012, 201-202, 864-870. | 0.2 | 1 |
| 42 | The Static Design and Dynamic Analysis of the Lattice Crane Truss. , 2012, , . | | 2 |
| 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 coupled vibration in a rotating multi-disk rotor system. International Journal of Mechanical Sciences, 2011, 53, 1-10. | 6.7 | 47 |
| 45 | The Influence of a Cracked Blade on Rotor's Free Vibration. Journal of Vibration and Acoustics, Transactions of the ASME, 2008, 130, . | 1.6 | 16 |
| 46 | The Influence of a Mistuned Blade's Stagger Angle on the Vibration and Stability of a Shaft-Disk-Blade Assembly. Shock and Vibration, 2008, 15, 3-17. | 0.6 | 23 |
| 47 | Damping Property and Vibration Analysis of Blades with Viscoelastic Layers. Journal of System Design and Dynamics, 2007, 1, 340-351. | 0.3 | 4 |
| 48 | 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 |
| 49 | The influence on coupling vibration of a rotor system due to a mistuned blade length. International Journal of Mechanical Sciences, 2007, 49, 522-532. | 6.7 | 37 |
| 50 | 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 |
| 51 | CPC and SMPS Systems of Monitoring Airborne Nanoparticles-Theory and Experiment. Applied Mechanics and Materials, 0, 101-102, 60-66. | 0.2 | 0 |
| 52 | 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 |
| 53 | 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 |