RESEARCH & PUBLICATIONS

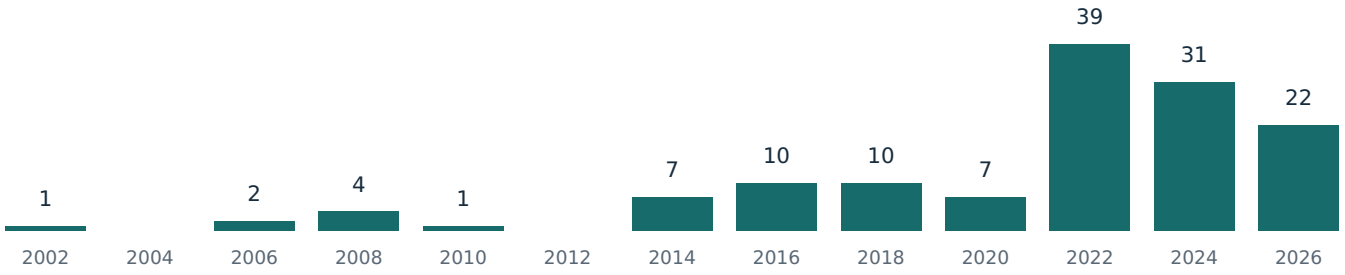
Wenzhong Wang

A publication record at a glance

135	3,704	29
ARTICLES	CITATIONS	h-INDEX

PUBLICATION ACTIVITY

Articles grouped into 2-year periods



1 articles have no publication year in the database.

MOST CITED IN THIS LIST

Large Scale of Green Hydrogen Storage: Opportunities and Challenges — 538
2024 International Journal of Hydrogen Energy

Robust Microscale Superlubricity Under High Contact Pressure Enabled by Graphene-Coated Microsphere — 318
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A Review of Advances in Tribology in 2020–2021 — 174
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2027

01 **Elastohydrodynamic Lubrication**
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02 **Study of Graphene-Family Nanomaterials as Grease Additives for Electroregulated Friction**
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03 **A Quasi-Dynamic Model Considering Bending Moment Due to Contact Between Bearing and Shaft**
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04 **Study on Electroadhesive Friction of Insulating Layer Under Applied Voltage**
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05 **Design and Control of a Bending Deformation Actuator for Hypersonic Variant Aircraft Using Shape Memory Alloy Springs**
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06 **Morphing Nose Cone With Integrated Deformation-Locking Design for Aerospace Vehicle Inspired by Honeybee Abdomen**
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07 **Predicting Centrifugally-Driven Lubricant Outflow From Porous Bearing Cages**
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08 **A Dynamic Model of Three-Point Contact Ball Bearings Integrated With a Finite Element Flexible Cage Model**
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09 **The Effect of External Load on Multi-Point Contact Transitions of Three-Point Angular Contact Ball Bearing**
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10 Oil Release Mechanisms in Porous Polyimide Bearing Cages: A Multiphysics Modeling Study
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12 Explicit Solution of Ball-Disc Oil Film Capacitance and Its Extensions
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13 Influence of Cation Valence States on Electrically Controlled Friction Behavior
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14 Experimental Analysis of Water-Ingress Effects in Point-Contact Lubrication Systems
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18 Tribochemical and Tribomechanical Effect of TiO 2 Nanoparticle: Different Influence on MoDTC and ZDDP Additives
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20 **Film Thickness Evolution Behavior and Mechanism of Lubricating Grease at High Speeds**
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23 **Cercus Electric Stimulation Enables Cockroach With Trajectory Control and Spatial Cognition Training**
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26 **Generation of Non-Gaussian Rough Surfaces Based on Fractal Theory and Genetic Algorithm**
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27 **Synergetic Lubrication Between MoDTC and TiO2 Nano-Additive: Dynamic Evolution of Tribofilm Induced by Tribocatalysis and Tribomechanical Effect**
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34 Multiphysical Contact of Functionally Graded Magneto-Electro-Elastic Material With Imperfect Bonding Interface
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35 “Non-Layered” Two-Dimensional Nanodiamond Plates as Nanoadditives in Water Lubrication
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39 How Does Lateral Size Influence the Tribological Behaviors of Graphene Oxide as Nanoadditive for Water-Based Lubrication?
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40 Pixel-Dependent Laser-Induced Fluorescence Method for Determining Thin Liquid Film Thickness Distribution
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66 Bio-Inspired Design and Performance Evaluation of a Novel Morphing Nose Cone for Aerospace Vehicles
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75 Study on the Superlubricity Behavior of Ions Under External Electric Fields at Steel Interfaces — 16 citations
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76 Influence of the Cage on the Migration and Distribution of Lubricating Oil Inside a Ball Bearing — 38 citations
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77 Oil Redistribution and Replenishment on Stationary Bearing Inner Raceway — 14 citations
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80 Effects of Electromagnetic Fields on the Contact of Magneto-Electro-Elastic Materials — 32 citations
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81 An Experimental Study on the Distribution and Migration of Lubricating Oil in Rolling Bearings at Low Speeds — 7 citations
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