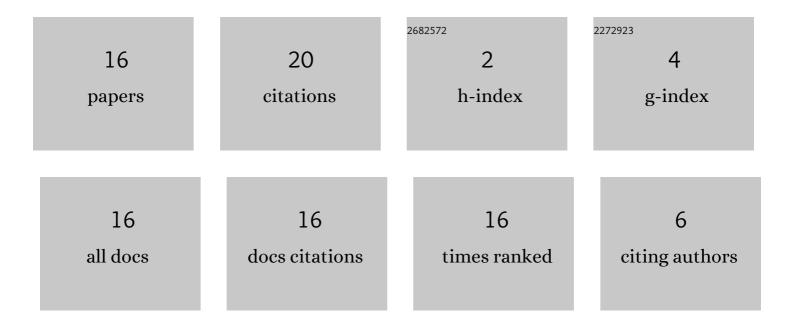
## Xigui Wang

List of Publications by Year in descending order

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| #  | Article   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Semi-analytic semi-numerical analysis of dynamic characteristics of a two-stage coupled series PGT based on IHB and MsP methods. Archive of Applied Mechanics, 2022, 92, 1339-1354.   | 2.2 | 1         |
| 2  | Research on Meshing Gears CIMT Design and Anti-Thermoelastic Scuffing Load-Bearing Characteristics.<br>Materials, 2022, 15, 2075.   | 2.9 | 0         |
| 3  | Study on Anti-Scuffing Load-Bearing Thermoelastic Lubricating Properties of Meshing Gears With<br>Contact Interface Micro-Texture Morphology. Journal of Tribology, 2022, 144, .  | 1.9 | 1         |
| 4  | Research on position/force hybrid control of an FFHD robot with EHS-actuators. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2022, 44, 1.  | 1.6 | 2         |
| 5  | Vibroacoustic characteristics analysis of a planetary gear reducer considering the exterior housing structure. Mechanical Sciences, 2021, 12, 539-557.  | 1.0 | 1         |
| 6  | Semi-numerical analysis of a two-stage series composite planetary transmission considering<br>incremental harmonic balance and multi-scale perturbation methods. Mechanical Sciences, 2021, 12,<br>701-714.                                 | 1.0 | 0         |
| 7  | Kinematics analysis of a four-legged heavy-duty robot with a force–position hybrid control servo actuator in a parallel-executed cylinder system. Mechanical Sciences, 2021, 12, 735-749.   | 1.0 | 4         |
| 8  | Optimal analysis of TSM fitting considering contact interface TECs of meshing gears. Advances in Mechanical Engineering, 2021, 13, 168781402110377.   | 1.6 | 0         |
| 9  | Optimal design of gears contact interface modification for an objective as minimum impact resistance of initial meshing-in time domain. Meccanica, 2021, 56, 303-316.   | 2.0 | 1         |
| 10 | TEM fitting considering TEPs of contact interface of meshing gear. Journal of Mechanical Science and Technology, 2021, 35, 4443-4457.   | 1.5 | 1         |
| 11 | Transient temperature field analysis of variable viscosity RTHSB with a special structural cavity.<br>Advances in Mechanical Engineering, 2020, 12, 168781402096505.  | 1.6 | 1         |
| 12 | Study on motion analysis and force/position hydraulic control of a parallel cylinder transmission<br>system of heavy-duty quadruped robot. International Journal of Advanced Robotic Systems, 2019, 16,<br>172988141983155.                 | 2.1 | 3         |
| 13 | Thermomechanical coupled contact analysis of alternating meshing gear teeth surfaces for marine power rear transmission system considering thermal expansion deformation. Advances in Mechanical Engineering, 2018, 10, 168781401775391.    | 1.6 | 4         |
| 14 | Dynamic Characteristics Analysis on Coupled Vibration Models of Variable Gear Meshing in Forest<br>Engineering Equipment Power Rear Transmission System. Journal of Computational and Theoretical<br>Nanoscience, 2018, 15, 2502-2509.      | 0.4 | 0         |
| 15 | Multi-objective optimization of tooth surface based on minimum of flash temperature and vibration acceleration root mean square. Advances in Mechanical Engineering, 2018, 10, 168781401877472.   | 1.6 | 1         |
| 16 | Analysis of Heat Elastic Flow Lubrication and Anti-Friction Performance of Cutting Shrub Helical<br>Gear Transmission System with Alternating Load and Speed. Journal of Computational and Theoretical<br>Nanoscience, 2018, 15, 3071-3079. | 0.4 | 0         |