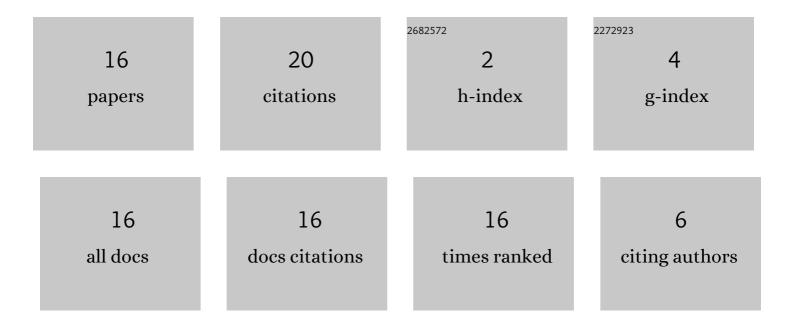
Xigui Wang

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/3646139/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	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
2	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
3	Study on motion analysis and force/position hydraulic control of a parallel cylinder transmission system of heavy-duty quadruped robot. International Journal of Advanced Robotic Systems, 2019, 16, 172988141983155.	2.1	3
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	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
6	Transient temperature field analysis of variable viscosity RTHSB with a special structural cavity. Advances in Mechanical Engineering, 2020, 12, 168781402096505.	1.6	1
7	Vibroacoustic characteristics analysis of a planetary gear reducer considering the exterior housing structure. Mechanical Sciences, 2021, 12, 539-557.	1.0	1
8	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
9	TEM fitting considering TEPs of contact interface of meshing gear. Journal of Mechanical Science and Technology, 2021, 35, 4443-4457.	1.5	1
10	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
11	Study on Anti-Scuffing Load-Bearing Thermoelastic Lubricating Properties of Meshing Gears With Contact Interface Micro-Texture Morphology. Journal of Tribology, 2022, 144, .	1.9	1
12	Dynamic Characteristics Analysis on Coupled Vibration Models of Variable Gear Meshing in Forest Engineering Equipment Power Rear Transmission System. Journal of Computational and Theoretical Nanoscience, 2018, 15, 2502-2509.	0.4	0
13	Semi-numerical analysis of a two-stage series composite planetary transmission considering incremental harmonic balance and multi-scale perturbation methods. Mechanical Sciences, 2021, 12, 701-714.	1.0	0
14	Optimal analysis of TSM fitting considering contact interface TECs of meshing gears. Advances in Mechanical Engineering, 2021, 13, 168781402110377.	1.6	0
15	Analysis of Heat Elastic Flow Lubrication and Anti-Friction Performance of Cutting Shrub Helical Gear Transmission System with Alternating Load and Speed. Journal of Computational and Theoretical Nanoscience, 2018, 15, 3071-3079.	0.4	0
16	Research on Meshing Gears CIMT Design and Anti-Thermoelastic Scuffing Load-Bearing Characteristics. Materials, 2022, 15, 2075.	2.9	0