

# Xigui Wang

## List of Publications by Year in descending order

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16  
papers

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citations

2682572

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2272923

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docs citations

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times ranked

6  
citing authors

#	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. <i>Archive of Applied Mechanics</i> , 2022, 92, 1339-1354.	2.2	1
2	Research on Meshing Gears CIMT Design and Anti-Thermoelastic Scuffing Load-Bearing Characteristics. <i>Materials</i> , 2022, 15, 2075.	2.9	0
3	Study on Anti-Scuffing Load-Bearing Thermoelastic Lubricating Properties of Meshing Gears With Contact Interface Micro-Texture Morphology. <i>Journal of Tribology</i> , 2022, 144, .	1.9	1
4	Research on position/force hybrid control of an FFHD robot with EHS-actuators. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2022, 44, 1.	1.6	2
5	Vibroacoustic characteristics analysis of a planetary gear reducer considering the exterior housing structure. <i>Mechanical Sciences</i> , 2021, 12, 539-557.	1.0	1
6	Semi-numerical analysis of a two-stage series composite planetary transmission considering incremental harmonic balance and multi-scale perturbation methods. <i>Mechanical Sciences</i> , 2021, 12, 701-714.	1.0	0
7	Kinematics analysis of a four-legged heavy-duty robot with a force&quot;position hybrid control servo actuator in a parallel-executed cylinder system. <i>Mechanical Sciences</i> , 2021, 12, 735-749.	1.0	4
8	Optimal analysis of TSM fitting considering contact interface TECs of meshing gears. <i>Advances in Mechanical Engineering</i> , 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. <i>Meccanica</i> , 2021, 56, 303-316.	2.0	1
10	TEM fitting considering TEPs of contact interface of meshing gear. <i>Journal of Mechanical Science and Technology</i> , 2021, 35, 4443-4457.	1.5	1
11	Transient temperature field analysis of variable viscosity RTHSB with a special structural cavity. <i>Advances in Mechanical Engineering</i> , 2020, 12, 168781402096505.	1.6	1
12	Study on motion analysis and force/position hydraulic control of a parallel cylinder transmission system of heavy-duty quadruped robot. <i>International Journal of Advanced Robotic Systems</i> , 2019, 16, 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. <i>Advances in Mechanical Engineering</i> , 2018, 10, 168781401775391.	1.6	4
14	Dynamic Characteristics Analysis on Coupled Vibration Models of Variable Gear Meshing in Forest Engineering Equipment Power Rear Transmission System. <i>Journal of Computational and Theoretical Nanoscience</i> , 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. <i>Advances in Mechanical Engineering</i> , 2018, 10, 168781401877472.	1.6	1
16	Analysis of Heat Elastic Flow Lubrication and Anti-Friction Performance of Cutting Shrub Helical Gear Transmission System with Alternating Load and Speed. <i>Journal of Computational and Theoretical Nanoscience</i> , 2018, 15, 3071-3079.	0.4	0