

# Lixin Xu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1438997/publications.pdf>

Version: 2024-02-01

8  
papers

138  
citations

1937685

4  
h-index

2053705

5  
g-index

8  
all docs

8  
docs citations

8  
times ranked

111  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamic modeling and contact analysis of a cycloid-pin gear mechanism with a turning arm cylindrical roller bearing. <i>Mechanism and Machine Theory</i> , 2016, 104, 327-349.	4.5	65
2	Influences of friction and mesh misalignment on time-varying mesh stiffness of helical gears. <i>Journal of Mechanical Science and Technology</i> , 2017, 31, 3121-3130.	1.5	35
3	A method for modelling contact between circular and non-circular shapes with variable radii of curvature and its application in planar mechanical systems. <i>Multibody System Dynamics</i> , 2017, 39, 153-174.	2.7	20
4	A dynamic model to predict the number of pins to transmit load in a cycloidal reducer with assembling clearance. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2019, 233, 4247-4269.	2.1	15
5	Study on torsional stiffness of transmission employed in a rotary table. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2016, 230, 3541-3555.	2.1	2
6	Dynamic analysis of a slider-crank mechanism with two types of non-ideal revolute joints. <i>Proceedings of the Institution of Mechanical Engineers, Part K: Journal of Multi-body Dynamics</i> , 2015, 229, 318-327.	0.8	1
7	Dimensional Synthesis of 3PRS Parallel Mechanism Based on a Dimensionally Homogeneous Analytical Jacobian. <i>Applied Mechanics and Materials</i> , 0, 455, 354-359.	0.2	0
8	Inverse Dynamics Formulation and Analysis of a Parallel Manipulator with 3DOFs Based on the Virtual Work Principle. <i>Applied Mechanics and Materials</i> , 2013, 455, 360-365.	0.2	0