

Lixin Xu

List of Publications by Year in descending order

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