

Shudong Yu

List of Publications by Year in descending order

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14
papers

203
citations

1478505

6
h-index

1199594

12
g-index

15
all docs

15
docs citations

15
times ranked

200
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamic stiffness formulation for transverse and in-plane vibration of rectangular plates with arbitrary boundary conditions based on a generalized superposition method. <i>International Journal of Mechanics and Materials in Design</i> , 2021, 17, 119-135.	3.0	7
2	A reconfigurable mechanism model for error identification in the double ball bar tests of machine tools. <i>International Journal of Machine Tools and Manufacture</i> , 2021, 165, 103737.	13.4	19
3	An invariant approach replacing Abbe principle for motion accuracy test and motion error identification of linear axes. <i>International Journal of Machine Tools and Manufacture</i> , 2021, 166, 103746.	13.4	6
4	Theoretical and experimental studies of chatter in turning and machining stainless steel workpiece. <i>International Journal of Advanced Manufacturing Technology</i> , 2021, 117, 3755-3776.	3.0	2
5	Periodic, aperiodic and chaotic motions of harmonically excited SDOF and MDOF nonlinear dynamical systems. <i>European Physical Journal: Special Topics</i> , 2019, 228, 1855-1871.	2.6	3
6	An invariant method updating Abbe principle for accuracy test and error calibration of rotary pairs in machine tools. <i>International Journal of Machine Tools and Manufacture</i> , 2019, 141, 46-58.	13.4	9
7	A generalized superposition method for accurate free vibration analysis of rectangular plates and assemblies. <i>Journal of the Acoustical Society of America</i> , 2019, 145, 185-203.	1.1	11
8	Invariant errors of discrete motion constrained by actual kinematic pairs. <i>Mechanism and Machine Theory</i> , 2018, 119, 74-90.	4.5	8
9	Vibration analysis of an oscillator with non-smooth dry friction constraint. <i>JVC/Journal of Vibration and Control</i> , 2017, 23, 2328-2344.	2.6	6
10	Vibrational behavior of MDOF oscillators subjected to multiple contact constraints. <i>Journal of Mechanical Science and Technology</i> , 2017, 31, 1551-1560.	1.5	4
11	Error calibration of controlled rotary pairs in five-axis machining centers based on the mechanism model and kinematic invariants. <i>International Journal of Machine Tools and Manufacture</i> , 2017, 120, 1-11.	13.4	23
12	Discrete Kinematic Geometry in Testing Axes of Rotation of Spindles. , 2016, , .		3
13	Improving Power Density of a Cantilever Piezoelectric Power Harvester Through a Curved L-Shaped Proof Mass. <i>IEEE Transactions on Industrial Electronics</i> , 2010, 57, 868-876.	7.9	100
14	A node-to-surface linear complementarity problem approach for general three-dimensional contact analysis. <i>Meccanica</i> , 0, , 1.	2.0	2