Shudong Yu

List of Publications by Year
in descending order

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