Binbin Zhao

List of Publications by Year
in descending order

13	213	1307594 7	1199594 12
papers	citations	h-index	g-index

13	13	13	94
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Bolt preload measurement based on the acoustoelastic effect using smart piezoelectric bolt. Smart Materials and Structures, 2019, 28, 055005.	3.5	57
2	Study on tangential stiffness nonlinear softening of bolted joint in friction-sliding process. Tribology International, 2021, 156, 106856.	5.9	37
3	Giga-fatigue life prediction of FV520B-I with surface roughness. Materials and Design, 2016, 89, 1028-1034.	7.0	33
4	A New assembly precision prediction method of aeroengine high-pressure rotor system considering manufacturing error and deformation of parts. Journal of Manufacturing Systems, 2021, 61, 112-124.	13.9	30
5	Measured and investigated nonlinear dynamics parameters on bolted flange joints of combined rotor. Journal of Mechanical Science and Technology, 2021, 35, 1841-1850.	1.5	14
6	A construction method of digital twin model for contact characteristics of assembly interface. International Journal of Advanced Manufacturing Technology, 2021, 113, 2685-2699.	3.0	12
7	Study on interface non-uniform slip of combined rotor considering real preload distribution. Tribology International, 2022, 169, 107482.	5.9	9
8	Influence mechanism of bolted joint with geometric irregularity bearing surface on anti-loosening performance. International Journal of Pressure Vessels and Piping, 2021, 191, 104364.	2.6	8
9	Assembly accuracy prediction and optimization of aero-engine rotor under the separation condition of assembly and measurement. International Journal of Advanced Manufacturing Technology, 2022, 120, 3103-3112.	3.0	7
10	A pragmatic approach to predict fatigue strength concerning the short crack behavior in VHCF. International Journal of Fatigue, 2020, 135, 105561.	5.7	3
11	Structured information description framework oriented to energy-saving design of machinery equipment. International Journal of Computer Integrated Manufacturing, 2018, 31, 469-478.	4.6	1
12	A novel method for optimizing the topography parameters of mechanical mating surfaces focus on performance and cost requirements. AIP Advances, 2021, 11, 065128.	1.3	1
13	A novel acoustic model for interface stiffness measurement of dry tribological interface considering geometric dispersion effect and boundary effect. Tribology International, 2021, 162, 107140.	5.9	1