

# Mohammadreza Arbabtafti

## List of Publications by Year in descending order

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Version: 2024-02-01

15  
papers

129  
citations

1684188

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h-index

1372567

10  
g-index

15  
all docs

15  
docs citations

15  
times ranked

136  
citing authors

#	ARTICLE	IF	CITATIONS
1	Physics-Based Haptic Simulation of Bone Machining. IEEE Transactions on Haptics, 2011, 4, 39-50.	2.7	59
2	Dynamic modeling of an industrial gas turbine in loading and unloading conditions using a gray box method. Energy, 2017, 120, 1012-1024.	8.8	27
3	Dynamic bifurcations analysis of a micro rotating shaft considering non-classical theory and internal damping. Meccanica, 2018, 53, 3795-3814.	2.0	9
4	Vibration analysis of the fully coupled nonlinear finite element model of composite drill strings. Archive of Applied Mechanics, 2020, 90, 1373-1398.	2.2	8
5	Forced oscillations and stability analysis of a nonlinear micro-rotating shaft incorporating a non-classical theory. Acta Mechanica Sinica/Lixue Xuebao, 2018, 34, 970-982.	3.4	6
6	Virtual Reality Haptic Simulation of Root Canal Therapy. Applied Mechanics and Materials, 0, 666, 388-392.	0.2	4
7	Dynamic analysis of slender rotor of vertically suspended centrifugal pumps due to various hydraulic design factors. Archive of Applied Mechanics, 2019, 89, 245-276.	2.2	4
8	Time-delayed control of a nonlinear asymmetrical rotor near the major critical speed with flexible supports. Mechanics Based Design of Structures and Machines, 2020, , 1-26.	4.7	3
9	Analysis and suppression of the nonlinear oscillations of a continuous rotating shaft using an active time-delayed control. Mechanics of Advanced Materials and Structures, 2021, 28, 1978-1991.	2.6	2
10	Time-delayed control of a continuous flexible rotor via the saturation phenomenon. Waves in Random and Complex Media, 0, , 1-22.	2.7	2
11	Nonlinear vibrations of composite drill strings considering drill stringâ€™wellbore contact and bitâ€™rock interaction. Archive of Applied Mechanics, 2022, 92, 2569-2592.	2.2	2
12	Chaotic vibration reduction of vertically suspended centrifugal pumps by the effect of the mechanical design parameter on hydraulic forces. International Journal on Interactive Design and Manufacturing, 2020, 14, 367-379.	2.2	1
13	Robust controller design for a three-shaft industrial gas turbine in the infinite grid power generation. Transactions of the Institute of Measurement and Control, 2020, 42, 131-156.	1.7	1
14	Non-Linear Vibrations of Composite Drill Stringsâ€™Wellbore Contact Considering Dynamics of Them at the Contact Zones. Journal of Vibration Engineering and Technologies, 2022, 10, 1511-1530.	2.2	1
15	Linear Transfer Functions Extraction for a Power Generation Three-Shaft Gas Turbine Based on Actual Specifications. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2020, 234, 2781-2802.	2.1	0