

# Maria Helena Fernandes

## List of Publications by Year in descending order

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15  
papers

188  
citations

1040056

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1125743

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15  
all docs

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docs citations

15  
times ranked

160  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamic model of a centerless grinding machine based on an updated FE model. International Journal of Machine Tools and Manufacture, 2008, 48, 832-840.	13.4	38
2	An active system of reduction of vibrations in a centerless grinding machine using piezoelectric actuators. International Journal of Machine Tools and Manufacture, 2007, 47, 1607-1614.	13.4	33
3	Turning of Thick Thermal Spray Coatings. Journal of Thermal Spray Technology, 2001, 10, 249-254.	3.1	22
4	A Consistent Procedure Using Response Surface Methodology to Identify Stiffness Properties of Connections in Machine Tools. Materials, 2018, 11, 1220.	2.9	18
5	Prediction of dynamic behavior for different configurations in a drilling-milling machine based on substructuring analysis. Journal of Sound and Vibration, 2016, 365, 70-88.	3.9	17
6	Simulation of an active vibration control system in a centerless grinding machine using a reduced updated FE model. International Journal of Machine Tools and Manufacture, 2009, 49, 239-245.	13.4	16
7	A practical study of joints in three-dimensional Inverse Receptance Coupling Substructure Analysis method in a horizontal milling machine. International Journal of Machine Tools and Manufacture, 2018, 128, 41-51.	13.4	14
8	Redesign of an active system of vibration control in a centerless grinding machine: Numerical simulation and practical implementation. Precision Engineering, 2013, 37, 562-571.	3.4	11
9	A new perspective on the stability study of centerless grinding process. International Journal of Machine Tools and Manufacture, 2010, 50, 165-173.	13.4	10
10	Analysis of the components of discretization error in non-linear structural problems. Finite Elements in Analysis and Design, 2003, 39, 835-864.	3.2	5
11	Prediction of the dynamic stiffness of boring bars. IOP Conference Series: Materials Science and Engineering, 2021, 1193, 012007.	0.6	2
12	Design of an active control of vibration in a centreless grinding machine: theoretical study and experimental implementation. International Journal of Mechatronics and Manufacturing Systems, 2011, 4, 337.	0.1	1
13	CHIP BREAKING SYSTEM FOR TURNING APPLICATIONS USING MACHINE DRIVE OSCILLATIONS. Dyna (Spain), 2020, 95, 100-106.	0.2	1
14	ADAPTATION OF THE COURSE THEORY OF STRUCTURES TO ONLINE TEACHING DUE TO THE COVID-19 PANDEMIC. ANALYSIS AND RESULTS. INTED Proceedings, 2021, , .	0.0	0
15	AN INTEGRATED PROCEDURE TO IMPROVE NUMERICAL MODELS IN MACHINE-TOOLS. Dyna (Spain), 2018, 93, 619-624.	0.2	0