

Francisco T Sanchez-Marin

List of Publications by Year in descending order

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159
citing authors

#	ARTICLE	IF	CITATIONS
1	A simple procedure for generating locally refined 2D quadrilateral finite element meshes of gears. Mechanism and Machine Theory, 2021, 157, 104185.	2.7	2
2	Computerized Generation and Finite Element Stress Analysis of Endodontic Rotary Files. Applied Sciences (Switzerland), 2021, 11, 4329.	1.3	7
3	Development of a multiblock procedure for automated generation of two-dimensional quadrilateral meshes of gear drives. Mechanism and Machine Theory, 2020, 143, 103631.	2.7	4
4	A 2D finite element based approach to predict the temperature field in polymer spur gear transmissions. Mechanism and Machine Theory, 2019, 133, 195-210.	2.7	45
5	An adaptive mesh refinement approach for solving non-Hertzian elastic contact problems. Meccanica, 2018, 53, 2013-2028.	1.2	3
6	Numerical tooth contact analysis of gear transmissions through the discretization and adaptive refinement of the contact surfaces. Mechanism and Machine Theory, 2016, 101, 75-94.	2.7	22
7	Determination of the ISO face load factor in spur gear drives by the finite element modeling of gears and shafts. Mechanism and Machine Theory, 2013, 65, 1-13.	2.7	21
8	On the Behaviour of Asymmetric Cylindrical Gears in Gear Transmissions. Lecture Notes in Electrical Engineering, 2013, , 143-150.	0.3	3
9	A Finite Element Model for Consideration of the Torsional Effect on the Bearing Contact of Gear Drives. Journal of Mechanical Design, Transactions of the ASME, 2012, 134, .	1.7	11
10	Computerized design of advanced straight and skew bevel gears produced by precision forging. Computer Methods in Applied Mechanics and Engineering, 2011, 200, 2363-2377.	3.4	37
11	Development and Comparison of Shaft-Gear Models for the Computation of Gear Misalignments due to Power Transmission. , 2011, , .		4
12	A modified elastic foundation contact model for application in 3D models of the prosthetic knee. Medical Engineering and Physics, 2008, 30, 387-398.	0.8	39