

# Francisco T Sanchez-Marin

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8308897/publications.pdf>

Version: 2024-02-01

12  
papers

198  
citations

1307366

7  
h-index

1281743

11  
g-index

12  
all docs

12  
docs citations

12  
times ranked

159  
citing authors

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