

Miryam B SÃ¡nchez

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

461
citations

933447

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996975

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23
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23
docs citations

23
times ranked

204
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of meshing stiffness on load distribution between planets of planetary gear drives. <i>Mechanism and Machine Theory</i> , 2022, 170, 104718.	4.5	16
2	Analytical model for meshing stiffness, load sharing, and transmission error for spur gears with profile modification under non-nominal load conditions. <i>Applied Mathematical Modelling</i> , 2021, 97, 344-365.	4.2	24
3	Control of transmission error of high contact ratio spur gears with symmetric profile modifications. <i>Mechanism and Machine Theory</i> , 2020, 149, 103839.	4.5	27
4	On the evaluation of the meshing stiffness of external spur gears. <i>MATEC Web of Conferences</i> , 2020, 317, 01002.	0.2	3
5	Analytical Simulation of the Tooth Contact of Spur Gears. <i>Mechanisms and Machine Science</i> , 2020, , 115-131.	0.5	0
6	Load sharing model for high contact ratio spur gears with long profile modifications. <i>Forschung Im Ingenieurwesen/Engineering Research</i> , 2019, 83, 401-408.	1.6	8
7	Study of the tooth contact for high contact ratio spur gears with long tip relief. <i>MATEC Web of Conferences</i> , 2019, 287, 01004.	0.2	0
8	Influence of profile modifications on meshing stiffness, load sharing, and transmission error of involute spur gears. <i>Mechanism and Machine Theory</i> , 2019, 139, 506-525.	4.5	68
9	Strength model for bending and pitting calculations of internal spur gears. <i>Mechanism and Machine Theory</i> , 2019, 133, 691-705.	4.5	19
10	Load Transfer Among Spur Gear Teeth with Tip Relief Under Non-nominal Loading Conditions. <i>Mechanisms and Machine Science</i> , 2019, , 299-306.	0.5	0
11	Approximate equations for the meshing stiffness and the load sharing ratio of spur gears including hertzian effects. <i>Mechanism and Machine Theory</i> , 2017, 109, 231-249.	4.5	112
12	Calculation of tooth bending strength and surface durability of internal spur gear drives. <i>Mechanism and Machine Theory</i> , 2016, 95, 102-113.	4.5	28
13	Tooth-root stress calculation of high transverse contact ratio spur and helical gears. <i>Meccanica</i> , 2014, 49, 347-364.	2.0	21
14	Enhanced model of load distribution along the line of contact for non-standard involute external gears. <i>Meccanica</i> , 2013, 48, 527-543.	2.0	42
15	Critical stress and load conditions for bending calculations of involute spur and helical gears. <i>International Journal of Fatigue</i> , 2013, 48, 28-38.	5.7	33
16	Contact stress calculation of high transverse contact ratio spur and helical gear teeth. <i>Mechanism and Machine Theory</i> , 2013, 64, 93-110.	4.5	38
17	Analytical Expressions of the Efficiency of Standard and High Contact Ratio Involute Spur Gears. <i>Mathematical Problems in Engineering</i> , 2013, 2013, 1-14.	1.1	10
18	Simplified Calculation Method for the Efficiency of Involute Helical Gears. , 2010, , 217-224.		3

#	ARTICLE	IF	CITATIONS
19	Minimum friction losses in wind turbine gearboxes. Forschung Im Ingenieurwesen/Engineering Research, 0, , 1.	1.6	3