

Miryam B SÃ¡nchez

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/227799/publications.pdf>

Version: 2024-02-01

19
papers

461
citations

933447

10
h-index

996975

15
g-index

23
all docs

23
docs citations

23
times ranked

204
citing authors

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

#	ARTICLE	IF	CITATIONS
19	Analytical Simulation of the Tooth Contact of Spur Gears. Mechanisms and Machine Science, 2020, , 115-131.	0.5	0