

David Talbot

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

221
citations

1040056

9
h-index

1199594

12
g-index

13
all docs

13
docs citations

13
times ranked

116
citing authors

#	ARTICLE	IF	CITATIONS
1	Static and Dynamic Transmission Error Measurements of Helical Gear Pairs With Various Tooth Modifications. Journal of Mechanical Design, Transactions of the ASME, 2019, 141, .	2.9	50
2	A Load Distribution Model for Planetary Gear Sets. Journal of Mechanical Design, Transactions of the ASME, 2018, 140, .	2.9	35
3	A dynamic load distribution model of planetary gear sets. Mechanism and Machine Theory, 2021, 158, 104229.	4.5	25
4	A Helical Gear Pair Pocketing Power Loss Model. Journal of Tribology, 2014, 136, .	1.9	23
5	Effects of Tooth Indexing Errors on Load Distribution and Tooth Load Sharing of Splines Under Combined Loading Conditions. Journal of Mechanical Design, Transactions of the ASME, 2015, 137, .	2.9	16
6	A theoretical study of the overall transmission error in planetary gear sets. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2019, 233, 7200-7211.	2.1	16
7	An Experimental Investigation of Churning Power Losses of a Gearbox. Journal of Tribology, 2018, 140, .	1.9	15
8	Development and Validation of an Automotive Axle Power Loss Model. Tribology Transactions, 2016, 59, 707-719.	2.0	14
9	An Experimentalâ€“Theoretical Methodology to Develop Scuffing Limits for Relatively Smooth High-Speed Contacts. Tribology Transactions, 2020, 63, 781-795.	2.0	10
10	Experimental and Theoretical Investigation of Quasi-Static System Level Behavior of Planetary Gear Sets. Journal of Mechanical Design, Transactions of the ASME, 2021, 143, .	2.9	9
11	Dynamic load distribution of planetary gear sets subject to both internal and external excitations. Forschung Im Ingenieurwesen/Engineering Research, 2022, 86, 283-294.	1.6	4
12	An experimental investigation of the load distribution of splined joints under gear loading conditions. Journal of Advanced Mechanical Design, Systems and Manufacturing, 2017, 11, JAMDSM0084-JAMDSM0084.	0.7	3
13	Modelling of steady-state mechanical power losses in planetary gear trains of automatic transmissions. Journal of Advanced Mechanical Design, Systems and Manufacturing, 2017, 11, JAMDSM0080-JAMDSM0080.	0.7	1