Hermann Pflaum

List of Publications by Year
in descending order

14	100	1478505 6	1588992 8
papers	citations	h-index	g-index

23	23	23	32
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Analysis of the Thermo-Mechanical Behavior of a Multi-Plate Clutch during Transient Operating Conditions Using the FE Method. Lubricants, 2022, 10, 76.	2.9	5
2	Failure Modes of Spontaneous Damage of Wet-Running Multi-Plate Clutches with Carbon Friction Linings. Tribology Transactions, 2022, 65, 813-826.	2.0	4
3	Einfluss der Stahllamellentopographie auf das Einlaufverhalten nasslaufender Lamellenkupplungen. Tribologie Und Schmierungstechnik, 2022, 69, 40-49.	0.1	0
4	Friction behavior of innovative carbon friction linings for wet multi-plate clutches. Forschung Im Ingenieurwesen/Engineering Research, 2021, 85, 115-127.	1.6	4
5	Efficient CFD Simulation Method for Calculation of Drag Torque in Wet Multi-plate Clutches in Comparison to Test Rig Results. Proceedings, 2021, , 164-176.	0.3	1
6	Comparison of Various Wet-Running Multi-Plate Clutches with Paper Friction Lining with Regard to Spontaneous Damage Behavior. Tribology in Industry, 2021, 43, 40-56.	1.1	5
7	Experimental investigations of spontaneous damage to wet multi-plate clutches with carbon friction linings. Forschung Im Ingenieurwesen/Engineering Research, 2021, 85, 1043-1052.	1.6	7
8	Real-time temperature calculation and temperature prediction of wet multi-plate clutches. Forschung Im Ingenieurwesen/Engineering Research, 2021, 85, 923-932.	1.6	3
9	Friction Behavior of Pre-Damaged Wet-Running Multi-Plate Clutches in an Endurance Test. Lubricants, 2020, 8, 68.	2.9	8
10	Single vs. multi-cone synchronizers with carbon friction liningâ€”aÂcomparison of load limits and deterioration behavior. Forschung Im Ingenieurwesen/Engineering Research, 2020, 84, 245-253.	1.6	8
11	Running-In Behavior of Wet Multi-plate Clutches: Introduction of a New Test Method for Investigation and Characterization. Chinese Journal of Mechanical Engineering (English Edition), 2020, 33, .	3.7	5
12	On the Simulation of the Micro-Contact of Rough Surfaces Using the Example of Wet Friction Clutch Materials. Lubricants, 2019, 7, 41.	2.9	5
13	Coordinated testâ€rig and ToFâ€SIMS experiments to investigate the influence of phosphate glass layers on the friction behavior of a wet clutch. Surface and Interface Analysis, 2014, 46, 401-404.	1.8	6
14	Thermal behavior of a double cone synchronizer with carbon friction lining â€“ verification and validation of 2D thermo-mechanical simulations by temperature measurements. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 0, , 095440702210747.	1.9	0