Luca Bonaiti

List of Publications by Year
in descending order

10 papers	93 citations	1684188 5 h-index	1720034 7 g-index
10 all docs	10 docs citations	10 times ranked	29 citing authors

#	Article	IF	Citations
1	Bending fatigue behaviour of 17-4 PH gears produced via selective laser melting. Procedia Structural Integrity, 2019, 24, 764-774.	0.8	26
2	Gear Root Bending Strength: A Comparison Between Single Tooth Bending Fatigue Tests and Meshing Gears. Journal of Mechanical Design, Transactions of the ASME, 2021, 143, .	2.9	20
3	Bending Fatigue Behavior of 17-4 PH Gears Produced by Additive Manufacturing. Applied Sciences (Switzerland), 2021, 11, 3019.	2.5	13
4	Early Crack Propagation in Single Tooth Bending Fatigue: Combination of Finite Element Analysis and Critical-Planes Fatigue Criteria. Metals, 2021, 11, 1871.	2.3	13
5	RELIABLE GEAR DESIGN: TRANSLATION OF THE RESULTS OF SINGLE TOOTH BENDING FATIGUE TESTS THROUGH THE COMBINATION OF NUMERICAL SIMULATIONS AND FATIGUE CRITERIA. WIT Transactions on Engineering Sciences, 2021, , .	0.0	10
6	Effects of machine-tool parameters on geometry and contact pattern for face hobbed hypoid gears. Meccanica, 2022, 57, 1429-1442.	2.0	6
7	Gear root bending strength: statistical treatment of Single Tooth Bending Fatigue tests results. Forschung Im Ingenieurwesen/Engineering Research, 2022, 86, 251-258.	1.6	5
8	ModeÂIII threshold under Rolling Contact Fatigue and development of aÂtest gearbox for planet gears. Forschung Im Ingenieurwesen/Engineering Research, 0, , 1.	1.6	0
9	Tooth contact analysis of a non-involute rack and pinion system for off-shore application. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 0, , 095440622210865.	2.1	0
10	Gear Tooth Root Bending Strength Estimation under the Assumption of Fatigue Limit Existence. Material Design and Processing Communications, 2022, 2022, 1-13.	0.9	0