

Enrico Ciulli

List of Publications by Year in descending order

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58
papers

799
citations

623734

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526287

27
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61
all docs

61
docs citations

61
times ranked

687
citing authors

#	ARTICLE	IF	CITATIONS
1	Tribology and Sustainable Development Goals. Mechanisms and Machine Science, 2022, , 438-447.	0.5	4
2	Tilting Pad Journal Bearing Ball and Socket Pivots: Experimental Determination of Stiffness. Machines, 2022, 10, 81.	2.2	8
3	A Simple Modular Test Rig for Measuring Static and Dynamic Friction. Mechanisms and Machine Science, 2021, , 661-669.	0.5	0
4	Experimental Characterization of Large Turbomachinery Tilting Pad Journal Bearings. Machines, 2021, 9, 273.	2.2	4
5	Combination of musculoskeletal and wear models to investigate the effect of daily living activities on wear of hip prostheses. Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 2021, 235, 2675-2687.	1.8	8
6	Experimental investigation on wear map evolution of ceramic-on-UHMWPE hip prosthesis. Tribology International, 2020, 143, 106068.	5.9	12
7	Contact Force Measurements in Cam and Follower Lubricated Contacts. Frontiers in Mechanical Engineering, 2020, 6, .	1.8	4
8	Experiments on a Large Flexure Pivot Journal Bearing: Summary of Test Results and Comparison With Predictions. Journal of Engineering for Gas Turbines and Power, 2020, 142, .	1.1	2
9	Dynamic Identification of 280mm Diameter Tilting Pad Journal Bearings: Test Results and Measurement Uncertainties Assessment of Different Designs. , 2020, , .		1
10	Nonlinear Response of Tilting Pad Journal Bearings to Harmonic Excitation. Machines, 2019, 7, 43.	2.2	7
11	Tribology and Industry: From the Origins to 4.0. Frontiers in Mechanical Engineering, 2019, 5, .	1.8	36
12	Experimental aspects of a cam-follower contact. Mechanisms and Machine Science, 2019, , 3815-3824.	0.5	4
13	Film Thickness and Shape Evaluation in a Cam-Follower Line Contact with Digital Image Processing. Lubricants, 2019, 7, 29.	2.9	10
14	Error analysis in the determination of the dynamic coefficients of tilting pad journal bearings. Procedia Structural Integrity, 2019, 24, 988-996.	0.8	2
15	Experimental rigs for testing components of advanced industrial applications. Friction, 2019, 7, 59-73.	6.4	6
16	Nonlinear Effects in the Dynamic Characterization of Tilting Pad Journal Bearings. Mechanisms and Machine Science, 2019, , 474-481.	0.5	1
17	Experimental tests on large size tiltingpad journal bearings for turbomachinery. Proceedings Conference BALTRIB'2007, 2019, 1, 79-86.	0.0	0
18	Experiments on a Large Flexure Pivot Journal Bearing: Summary of Test Results and Comparison With Predictions. , 2019, , .		0

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19	Commissioning of a Novel Test Apparatus for the Identification of the Dynamic Coefficients of Large Tilting Pad Journal Bearings. <i>Procedia Structural Integrity</i> , 2018, 8, 462-473.	0.8	7
20	Characterization of High-Power Turbomachinery Tilting Pad Journal Bearings: First Results Obtained on a Novel Test Bench. <i>Lubricants</i> , 2018, 6, 4.	2.9	12
21	Set-up of a novel test plant for high power turbomachinery tilting pad journal bearings. <i>Tribology International</i> , 2018, 127, 276-287.	5.9	23
22	Vibration Testing Procedures for Bone Stiffness Assessment in Fractures Treated with External Fixation. <i>Annals of Biomedical Engineering</i> , 2017, 45, 1111-1121.	2.5	24
23	Thermo-Hydrodynamic Analysis of Tilting Pad Journal Bearing with General Purpose CFD Software. <i>Mechanisms and Machine Science</i> , 2017, , 411-419.	0.5	0
24	A novel test rig for the dynamic characterization of large size tilting pad journal bearings. <i>Journal of Physics: Conference Series</i> , 2016, 744, 012159.	0.4	8
25	Effect of size and dimensional tolerance of reverse total shoulder arthroplasty on wear: An in-silico study. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2016, 61, 455-463.	3.1	11
26	Numerical and experimental investigations for the evaluation of the wear coefficient of reverse total shoulder prostheses. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2016, 55, 53-66.	3.1	15
27	Tribological Behaviour of Ceramic Hip Replacements. <i>Advances in Science and Technology</i> , 2014, 89, 10-20.	0.2	0
28	A New Methodology for the Experimental Study of Scuffing on Gears for Advanced Applications. , 2014, , .		0
29	Experimental study on circular eccentric cam-follower pairs. <i>Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology</i> , 2014, 228, 1088-1098.	1.8	6
30	A comparative study of wear laws for soft-on-hard hip implants using a mathematical wear model. <i>Tribology International</i> , 2013, 63, 66-77.	5.9	57
31	Thermal effects of different kind influencing lubricated non-conformal contacts. <i>Tribology International</i> , 2013, 59, 181-189.	5.9	2
32	PERMANENT MAGNET BEARINGS: ANALYSIS OF PLANE AND AXISYMMETRIC V-SHAPED ELEMENT DESIGN. <i>Progress in Electromagnetics Research M</i> , 2012, 26, 205-223.	0.9	11
33	Wear Simulation of Metal on Metal Hip Replacements: An Analytical Approach. , 2012, , .		4
34	An Experimental Investigation on Aerospace Quality Gears Operating in Loss of Lubrication Condition. , 2012, , .		1
35	Special issue on asperity contacts and lubrication aspects. <i>Meccanica</i> , 2011, 46, 489-489.	2.0	0
36	Lubrication and wear modelling of artificial hip joints: A review. <i>Tribology International</i> , 2011, 44, 532-549.	5.9	255

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37	Investigation on cam-follower lubricated contacts. Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 2011, 225, 379-392.	1.8	7
38	Tribology research trends in Italy. Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 2009, 223, 1091-1113.	1.8	5
39	Non-steady state non-conformal contacts: friction and film thickness studies. Meccanica, 2009, 44, 409-425.	2.0	16
40	The influence of the slide-to-roll ratio on the friction coefficient and film thickness of EHD point contacts under steady state and transient conditions. Tribology International, 2009, 42, 526-534.	5.9	24
41	Thermal point contact EHL analysis of rolling/sliding contacts with experimental comparison showing anomalous film shapes. Tribology International, 2009, 42, 517-525.	5.9	26
42	Rough contacts between actual engineering surfaces. Wear, 2008, 264, 1105-1115.	3.1	37
43	Rough contacts between actual engineering surfaces. Wear, 2008, 264, 1116-1128.	3.1	30
44	Film Thickness Analysis for EHL Contacts under Steady-State and Transient Conditions by Automatic Digital Image Processing. Advances in Tribology, 2008, 2008, 1-16.	2.1	9
45	Investigation on load-dependent roughness variations. Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 2007, 221, 443-454.	1.8	1
46	Experimental investigation of transient and thermal effects on lubricated non-conformal contacts. Tribotest Journal: Tribology and Lubrication in Practice, 2007, 13, 183-194.	0.7	11
47	Comparison of two sealing coupling geometries for a direct fuel injector. Tribology International, 2006, 39, 781-788.	5.9	4
48	Hydrostatic lubrication with cryogenic fluids. Tribology International, 2006, 39, 827-832.	5.9	18
49	Experimental Study on Wear and Fracture in Aeronautical Gear Transmissions. , 2006, , 979.		0
50	Influence of vibrations and noise on experimental results of lubricated non-conformal contacts. Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 2006, 220, 319-331.	1.8	4
51	Investigation on Thermal Distress and Scuffing Failure Under Micro EHL Conditions. , 2006, , 321-332.		3
52	Numerical multilevel investigation for the evaluation of pressure distribution in ehl circular contacts from film thickness measurements. Lubrication Science, 2005, 17, 241-260.	2.1	1
53	Formulas for Entraining Velocity in Lubricated Line Contacts. Journal of Tribology, 2002, 124, 856-858.	1.9	3
54	Study of Conic Permanent Magnet Bearings. Meccanica, 2001, 36, 745-754.	2.0	14

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55	Numerical and Experimental Study of Friction on a Single Cylinder CFR Engine. , 1996, , .		8
56	Static behaviour of an integral externally pressurized gas bearing “ comparison with other types of bearing. Tribology International, 1989, 22, 177-188.	5.9	9
57	Pneumatic stability of the integral aerostatic bearing: comparison with other types of bearing. Tribology International, 1989, 22, 363-374.	5.9	21
58	Theoretical and Experimental Investigation on Friction in Lubricated Line Contacts with Different Materials and Textures in Presence of Wear. Key Engineering Materials, 0, 681, 142-154.	0.4	1