

# Enrico Ciulli

## List of Publications by Year in descending order

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58  
papers

799  
citations

623734

14  
h-index

526287

27  
g-index

61  
all docs

61  
docs citations

61  
times ranked

687  
citing authors

#	ARTICLE	IF	CITATIONS
1	Lubrication and wear modelling of artificial hip joints: A review. Tribology International, 2011, 44, 532-549.	5.9	255
2	A comparative study of wear laws for soft-on-hard hip implants using a mathematical wear model. Tribology International, 2013, 63, 66-77.	5.9	57
3	Rough contacts between actual engineering surfaces. Wear, 2008, 264, 1105-1115.	3.1	37
4	Tribology and Industry: From the Origins to 4.0. Frontiers in Mechanical Engineering, 2019, 5, .	1.8	36
5	Rough contacts between actual engineering surfaces. Wear, 2008, 264, 1116-1128.	3.1	30
6	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
7	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
8	Vibration Testing Procedures for Bone Stiffness Assessment in Fractures Treated with External Fixation. Annals of Biomedical Engineering, 2017, 45, 1111-1121.	2.5	24
9	Set-up of a novel test plant for high power turbomachinery tilting pad journal bearings. Tribology International, 2018, 127, 276-287.	5.9	23
10	Pneumatic stability of the integral aerostatic bearing: comparison with other types of bearing. Tribology International, 1989, 22, 363-374.	5.9	21
11	Hydrostatic lubrication with cryogenic fluids. Tribology International, 2006, 39, 827-832.	5.9	18
12	Non-steady state non-conformal contacts: friction and film thickness studies. Meccanica, 2009, 44, 409-425.	2.0	16
13	Numerical and experimental investigations for the evaluation of the wear coefficient of reverse total shoulder prostheses. Journal of the Mechanical Behavior of Biomedical Materials, 2016, 55, 53-66.	3.1	15
14	Study of Conic Permanent Magnet Bearings. Meccanica, 2001, 36, 745-754.	2.0	14
15	Characterization of High-Power Turbomachinery Tilting Pad Journal Bearings: First Results Obtained on a Novel Test Bench. Lubricants, 2018, 6, 4.	2.9	12
16	Experimental investigation on wear map evolution of ceramic-on-UHMWPE hip prosthesis. Tribology International, 2020, 143, 106068.	5.9	12
17	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
18	PERMANENT MAGNET BEARINGS: ANALYSIS OF PLANE AND AXISYMMETRIC V-SHAPED ELEMENT DESIGN. Progress in Electromagnetics Research M, 2012, 26, 205-223.	0.9	11

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19	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
20	Film Thickness and Shape Evaluation in a Cam-Follower Line Contact with Digital Image Processing. <i>Lubricants</i> , 2019, 7, 29.	2.9	10
21	Static behaviour of an integral externally pressurized gas bearing “ comparison with other types of bearing. <i>Tribology International</i> , 1989, 22, 177-188.	5.9	9
22	Film Thickness Analysis for EHL Contacts under Steady-State and Transient Conditions by Automatic Digital Image Processing. <i>Advances in Tribology</i> , 2008, 2008, 1-16.	2.1	9
23	Numerical and Experimental Study of Friction on a Single Cylinder CFR Engine. , 1996, , .		8
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	Combination of musculoskeletal and wear models to investigate the effect of daily living activities on wear of hip prostheses. <i>Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology</i> , 2021, 235, 2675-2687.	1.8	8
26	Tilting Pad Journal Bearing Ball and Socket Pivots: Experimental Determination of Stiffness. <i>Machines</i> , 2022, 10, 81.	2.2	8
27	Investigation on cam“follower lubricated contacts. <i>Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology</i> , 2011, 225, 379-392.	1.8	7
28	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
29	Nonlinear Response of Tilting Pad Journal Bearings to Harmonic Excitation. <i>Machines</i> , 2019, 7, 43.	2.2	7
30	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
31	Experimental rigs for testing components of advanced industrial applications. <i>Friction</i> , 2019, 7, 59-73.	6.4	6
32	Tribology research trends in Italy. <i>Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology</i> , 2009, 223, 1091-1113.	1.8	5
33	Comparison of two sealing coupling geometries for a direct fuel injector. <i>Tribology International</i> , 2006, 39, 781-788.	5.9	4
34	Influence of vibrations and noise on experimental results of lubricated non-conformal contacts. <i>Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology</i> , 2006, 220, 319-331.	1.8	4
35	Experimental aspects of a cam-follower contact. <i>Mechanisms and Machine Science</i> , 2019, , 3815-3824.	0.5	4
36	Contact Force Measurements in Cam and Follower Lubricated Contacts. <i>Frontiers in Mechanical Engineering</i> , 2020, 6, .	1.8	4

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37	Wear Simulation of Metal on Metal Hip Replacements: An Analytical Approach. , 2012, , .		4
38	Tribology and Sustainable Development Goals. Mechanisms and Machine Science, 2022, , 438-447.	0.5	4
39	Experimental Characterization of Large Turbomachinery Tilting Pad Journal Bearings. Machines, 2021, 9, 273.	2.2	4
40	Investigation on Thermal Distress and Scuffing Failure Under Micro EHL Conditions. , 2006, , 321-332.		3
41	Formulas for Entraining Velocity in Lubricated Line Contacts. Journal of Tribology, 2002, 124, 856-858.	1.9	3
42	Thermal effects of different kind influencing lubricated non-conformal contacts. Tribology International, 2013, 59, 181-189.	5.9	2
43	Error analysis in the determination of the dynamic coefficients of tilting pad journal bearings. Procedia Structural Integrity, 2019, 24, 988-996.	0.8	2
44	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
45	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
46	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
47	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
48	Nonlinear Effects in the Dynamic Characterization of Tilting Pad Journal Bearings. Mechanisms and Machine Science, 2019, , 474-481.	0.5	1
49	An Experimental Investigation on Aerospace Quality Gears Operating in Loss of Lubrication Condition. , 2012, , .		1
50	Dynamic Identification of 280mm Diameter Tilting Pad Journal Bearings: Test Results and Measurement Uncertainties Assessment of Different Designs. , 2020, , .		1
51	Experimental Study on Wear and Fracture in Aeronautical Gear Transmissions. , 2006, , 979.		0
52	Special issue on asperity contacts and lubrication aspects. Meccanica, 2011, 46, 489-489.	2.0	0
53	Tribological Behaviour of Ceramic Hip Replacements. Advances in Science and Technology, 2014, 89, 10-20.	0.2	0
54	A New Methodology for the Experimental Study of Scuffing on Gears for Advanced Applications. , 2014, , .		0

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55	Thermo-Hydrodynamic Analysis of Tilting Pad Journal Bearing with General Purpose CFD Software. Mechanisms and Machine Science, 2017, , 411-419.	0.5	0
56	Experimental tests on large size tiltingpad journal bearings for turbomachinery. Proceedings Conference BALTRIB'2007, 2019, 1, 79-86.	0.0	0
57	Experiments on a Large Flexure Pivot Journal Bearing: Summary of Test Results and Comparison With Predictions. , 2019, , .		0
58	A Simple Modular Test Rig for Measuring Static and Dynamic Friction. Mechanisms and Machine Science, 2021, , 661-669.	0.5	0