

# L Vilhena

## List of Publications by Year in descending order

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26  
papers

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citations

840776

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26  
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26  
docs citations

26  
times ranked

633  
citing authors

#	ARTICLE	IF	CITATIONS
1	Surface texturing by pulsed Nd:YAG laser. Tribology International, 2009, 42, 1496-1504.	5.9	205
2	Effectiveness and design of surface texturing for different lubrication regimes. Meccanica, 2012, 47, 1613-1622.	2.0	106
3	Influence of texturing parameters and contact conditions on tribological behaviour of laser textured surfaces. Meccanica, 2011, 46, 567-575.	2.0	74
4	Surface Topography Modelling for Reduced Friction. Strojnicki Vestnik/Journal of Mechanical Engineering, 2011, 57, 674-680.	1.1	63
5	Mechanical characterization of WC-10 wt% AISI 304 cemented carbides. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2014, 618, 629-636.	5.6	52
6	Friction of Human Skin against Different Fabrics for Medical Use. Lubricants, 2016, 4, 6.	2.9	42
7	Abrasive wear resistance of WC-Co and WC-AISI 304 composites by ball-cratering method. Wear, 2016, 346-347, 99-107.	3.1	32
8	Tribological behaviour of W-Ti-N coatings in semi-industrial strip-drawing tests. Journal of Materials Processing Technology, 2009, 209, 4662-4667.	6.3	19
9	Grooved surface texturing by electrical discharge machining (EDM) under different lubrication regimes. Lubrication Science, 2017, 29, 493-501.	2.1	19
10	Tribocorrosion of different biomaterials under reciprocating sliding conditions in artificial saliva. Lubrication Science, 2019, 31, 364-380.	2.1	12
11	CFD Modeling of the Effect of Different Surface Texturing Geometries on the Frictional Behavior. Lubricants, 2018, 6, 15.	2.9	11
12	Friction Behavior of Human Skin Rubbing against Different Textured Polymeric Materials Obtained by a 3D Printing Microfabrication Technique. Tribology Transactions, 2019, 62, 324-336.	2.0	9
13	Study of the frictional behavior of soft contact lenses by an innovative method. Tribology International, 2021, 153, 106633.	5.9	8
14	Tribocorrosion Behaviour of Ti6Al4V Produced by Selective Laser Melting for Dental Implants. Lubricants, 2020, 8, 22.	2.9	7
15	Sliding wear and friction behaviour of WC-stainless steel and WC-Co composites. Lubrication Science, 2022, 34, 247-257.	2.1	6
16	Action of oil additives when used in DLC coated contacts. Tribology - Materials, Surfaces and Interfaces, 2010, 4, 186-190.	1.4	5
17	Mechanical and Tribological Characterization of a Bioactive Composite Resin. Applied Sciences (Switzerland), 2021, 11, 8256.	2.5	5
18	Rapid and Easy Assessment of Friction and Load-Bearing Capacity in Thin Coatings. Electronics (Switzerland), 2022, 11, 296.	3.1	4

#	ARTICLE	IF	CITATIONS
19	Study of Laser Metal Deposition (LMD) as a Manufacturing Technique in Automotive Industry. Lecture Notes in Mechanical Engineering, 2020, , 225-239.	0.4	3
20	Influence of Deposition Plane Angle and Saline Corrosion on Fatigue Crack Growth in Maraging Steel Components Produced by Laser Powder Bed Fusion. Metals, 2022, 12, 433.	2.3	3
21	Influence of Different Binders and Severe Environmental Conditions on the Tribological and Electrochemical Behaviour of WC-Based Composites. Lubricants, 2022, 10, 145.	2.9	3
22	Galling characterization for the pair composed by aluminium and M2 steel under dry and lubricated conditions by using load-scanning test method. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2018, 40, 1.	1.6	2
23	Effect of artificial saliva on the fatigue and wear response of TiAl6V4 specimens produced by SLM. Procedia Structural Integrity, 2020, 28, 790-795.	0.8	2
24	Answer to the discussion of the paper entitled surface texturing by pulsed Nd:YAG laser (L.M. Vilhena,) Tj ETQq0 0 0 rgBT /Overlock 10 T	5.9	1
25	Characterization and Design of Laser Textured Surfaces. , 2009, , .		0
26	Desgaste de implantes com diferentes conexões e materiais de pilares: estudo in vitro. Revista Portuguesa De Estomatologia, Medicina Dentaria E Cirurgia Maxilofacial, 2020, 61, .	0.0	0