

# Lucia Vieira

## List of Publications by Year in descending order

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Version: 2024-02-01

40  
papers

889  
citations

535685

17  
h-index

536525

29  
g-index

40  
all docs

40  
docs citations

40  
times ranked

1043  
citing authors

#	ARTICLE	IF	CITATIONS
1	Tribocorrosion Susceptibility and Osseointegration Studies of Silicon-Carbon-Titanium Oxide Coatings Produced on SS316L by Laser Cladding. <i>Journal of Bio- and Tribo-Corrosion</i> , 2021, 7, 1.	1.2	3
2	Bioactivity of Ti6Al4V alloy with bioglass and corrosion protection by silane coating. <i>Research, Society and Development</i> , 2021, 10, e23310615308.	0.0	0
3	Detector Ionizogrfico para Diagnstico de Cncer de Mama. <i>Research, Society and Development</i> , 2021, 10, e24410917229.	0.0	0
4	SiOx Top Layer on DLC Films for Atomic Oxygen and Ozone Corrosion Protection in Aerospace Applications. <i>Materials Research</i> , 2021, 24, .	0.6	5
5	Non-thermal plasma applied to treating diabetic foot. <i>Research, Society and Development</i> , 2021, 10, e539101220128.	0.0	0
6	Effect of water and alkali on purification bacterial cellulose membrane from Kombucha. <i>Research, Society and Development</i> , 2021, 10, e526101523267.	0.0	0
7	Supercritical extraction of <i>Eugenia involucrata</i> leaves: Influence of operating conditions on yield and $\alpha$ -tocopherol content. <i>Journal of Supercritical Fluids</i> , 2019, 143, 55-63.	1.6	29
8	Corrosion behavior of Al2024, Al5052, and Al6061 aluminum alloys coated with DLC films in aviation fuel medium, Jet A and AVGAS 100LL. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2019, 70, 2278-2291.	0.8	7
9	Comparative Study of <i>Candida albicans</i> Inactivation by Nonthermal Plasma on Stainless Steel with and without Diamond-like Carbon Film. <i>ACS Omega</i> , 2019, 4, 6891-6902.	1.6	7
10	Tribocorrosion studies on diamond-like carbon film deposited by PECVD on 304 stainless steel in simulated body fluid. <i>Biomedical Physics and Engineering Express</i> , 2019, 5, 045012.	0.6	5
11	Tribocorrosion and corrosion behavior of stainless steel coated with DLC films in ethanol with different concentrations of water. <i>Ceramics International</i> , 2019, 45, 9686-9693.	2.3	23
12	Effect of DLC Films with and without Silver Nanoparticles Deposited On Titanium Alloy. <i>Brazilian Dental Journal</i> , 2019, 30, 607-616.	0.5	5
13	Tribo-Corrosion and Corrosion Behaviour of Titanium Alloys with and Without DLC Films Immersed in Synthetic Urine. <i>Journal of Bio- and Tribo-Corrosion</i> , 2018, 4, 1.	1.2	15
14	Tribocorrosion behavior of TiO <sub>2</sub> /Al <sub>2</sub> O <sub>3</sub> nanolaminate, Al <sub>2</sub> O <sub>3</sub> , and TiO <sub>2</sub> thin films produced by atomic layer deposition. <i>Surface and Coatings Technology</i> , 2018, 349, 1077-1082.	2.2	18
15	Flexible camphor diamond-like carbon coating on polyurethane to prevent <i>Candida albicans</i> biofilm growth. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2017, 68, 239-246.	1.5	24
16	Assessment of linkages from HIV testing to enrolment and retention in HIV care in Central Mozambique. <i>Journal of the International AIDS Society</i> , 2016, 19, 20846.	1.2	24
17	Nanostructured thin films based on TiO <sub>2</sub> and/or SiC for use in photoelectrochemical cells: A review of the material characteristics, synthesis and recent applications. <i>Materials Science in Semiconductor Processing</i> , 2015, 29, 56-68.	1.9	72
18	Argon incorporation on silicon carbide thin films deposited by bias co-sputtering technique. <i>Materials Research Society Symposia Proceedings</i> , 2012, 1433, 101.	0.1	4

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19	Lubricating coating prepared by PIIID on a forming tool. Journal of Physics: Conference Series, 2012, 370, 012022.	0.3	3
20	Hydrogenated amorphous carbon as protective coating for a forming tool. EPJ Applied Physics, 2011, 56, 24014.	0.3	3
21	Effect of nitrogen content in amorphous SiC <sub>x</sub> NyO <sub>z</sub> thin films deposited by low temperature reactive magnetron co-sputtering technique. Surface and Coatings Technology, 2011, 206, 1787-1795.	2.2	24
22	Influence of crystalline diamond nanoparticles on diamond-like carbon friction behavior. Applied Surface Science, 2011, 257, 7387-7393.	3.1	11
23	Deposition of Hard and Adherent Diamond-Like Carbon Films Inside Steel Tubes Using a Pulsed-DC Discharge. Journal of Nanoscience and Nanotechnology, 2009, 9, 3891-3897.	0.9	19
24	Oxygen plasma etching of silver-incorporated diamond-like carbon films. Thin Solid Films, 2009, 517, 5739-5742.	0.8	16
25	A tribological study of the hybrid lubrication of DLC films with oil and water. Wear, 2009, 267, 1208-1213.	1.5	25
26	Antibacterial activity of DLC and Ag-DLC films produced by PECVD technique. Diamond and Related Materials, 2009, 18, 1010-1014.	1.8	104
27	Friction and wear maps of titanium alloy against a-C:H20% (DLC) film. Surface and Coatings Technology, 2008, 203, 741-744.	2.2	18
28	Adherent amorphous hydrogenated carbon films on metals deposited by plasma enhanced chemical vapor deposition. Thin Solid Films, 2008, 516, 4011-4017.	0.8	65
29	The improvement of DLC film lifetime using silver nanoparticles for use on space devices. Diamond and Related Materials, 2008, 17, 1674-1679.	1.8	41
30	A comparison of DLC film properties obtained by r.f. PACVD, IBAD, and enhanced pulsed-DC PACVD. Surface and Coatings Technology, 2007, 202, 549-554.	2.2	44
31	DLC film properties obtained by a low cost and modified pulsed-DC discharge. Thin Solid Films, 2007, 516, 272-276.	0.8	41
32	Adherent diamond-like carbon coatings on metals via PECVD and IBAD. Brazilian Journal of Physics, 2006, 36, 986-989.	0.7	8
33	DLC cold welding prevention films on a Ti6Al4V alloy for space applications. Surface and Coatings Technology, 2006, 200, 2587-2593.	2.2	30
34	Adhesion studies of diamond-like carbon films deposited on Ti6Al4V substrate with a silicon interlayer. Thin Solid Films, 2006, 515, 375-379.	0.8	118
35	Photoacoustic investigations of optical absorption, photoluminescence, and thermal diffusivity of Porous Diamond-Like-Carbon films. European Physical Journal Special Topics, 2005, 125, 293-295.	0.2	0
36	Plasma etching of DLC films for microfluidic channels. Microelectronics Journal, 2003, 34, 635-638.	1.1	12

#	ARTICLE	IF	CITATIONS
37	Very adherent CVD diamond film on modified molybdenum surface. <i>Diamond and Related Materials</i> , 2002, 11, 532-535.	1.8	12
38	Friction coefficient measurements By LFM on DLC films as function of sputtering deposition parameters. <i>Diamond and Related Materials</i> , 2002, 11, 1135-1138.	1.8	14
39	Diamond-like-carbon and molybdenum disulfide nanotribology studies using atomic force measurements. <i>Diamond and Related Materials</i> , 2001, 10, 1049-1052.	1.8	31
40	Si<sub>x</sub>/sub>C<sub>y</sub>/sub> Thin Films Deposited at Low Temperature by DC Dual Magnetron Sputtering: Effect of Power Supplied to Si and C Cathode Targets on Film Physicochemical Properties. <i>Materials Science Forum</i> , 0, 717-720, 197-201.	0.3	9