

Lucia Vieira

List of Publications by Year in descending order

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40
papers

889
citations

471509

17
h-index

477307

29
g-index

40
all docs

40
docs citations

40
times ranked

981
citing authors

#	ARTICLE	IF	CITATIONS
1	Adhesion studies of diamond-like carbon films deposited on Ti6Al4V substrate with a silicon interlayer. <i>Thin Solid Films</i> , 2006, 515, 375-379.	1.8	118
2	Antibacterial activity of DLC and Ag-DLC films produced by PECVD technique. <i>Diamond and Related Materials</i> , 2009, 18, 1010-1014.	3.9	104
3	Nanostructured thin films based on TiO ₂ 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.	4.0	72
4	Adherent amorphous hydrogenated carbon films on metals deposited by plasma enhanced chemical vapor deposition. <i>Thin Solid Films</i> , 2008, 516, 4011-4017.	1.8	65
5	A comparison of DLC film properties obtained by r.f. PACVD, IBAD, and enhanced pulsed-DC PACVD. <i>Surface and Coatings Technology</i> , 2007, 202, 549-554.	4.8	44
6	DLC film properties obtained by a low cost and modified pulsed-DC discharge. <i>Thin Solid Films</i> , 2007, 516, 272-276.	1.8	41
7	The improvement of DLC film lifetime using silver nanoparticles for use on space devices. <i>Diamond and Related Materials</i> , 2008, 17, 1674-1679.	3.9	41
8	Diamond-like-carbon and molybdenum disulfide nanotribology studies using atomic force measurements. <i>Diamond and Related Materials</i> , 2001, 10, 1049-1052.	3.9	31
9	DLC cold welding prevention films on a Ti6Al4V alloy for space applications. <i>Surface and Coatings Technology</i> , 2006, 200, 2587-2593.	4.8	30
10	Supercritical extraction of <i>Eugenia involucrata</i> leaves: Influence of operating conditions on yield and α -tocopherol content. <i>Journal of Supercritical Fluids</i> , 2019, 143, 55-63.	3.2	29
11	A tribological study of the hybrid lubrication of DLC films with oil and water. <i>Wear</i> , 2009, 267, 1208-1213.	3.1	25
12	Effect of nitrogen content in amorphous Si _x NyO _z thin films deposited by low temperature reactive magnetron co-sputtering technique. <i>Surface and Coatings Technology</i> , 2011, 206, 1787-1795.	4.8	24
13	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.	3.0	24
14	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.	3.1	24
15	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.	4.8	23
16	Deposition of Hard and Adherent Diamond-Like Carbon Films Inside Steel Tubes Using a Pulsed-DC Discharge. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 3891-3897.	0.9	19
17	Friction and wear maps of titanium alloy against a-C:H _{20%} (DLC) film. <i>Surface and Coatings Technology</i> , 2008, 203, 741-744.	4.8	18
18	Tribocorrosion behavior of TiO ₂ /Al ₂ O ₃ nanolaminate, Al ₂ O ₃ , and TiO ₂ thin films produced by atomic layer deposition. <i>Surface and Coatings Technology</i> , 2018, 349, 1077-1082.	4.8	18

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19	Oxygen plasma etching of silver-incorporated diamond-like carbon films. <i>Thin Solid Films</i> , 2009, 517, 5739-5742.	1.8	16
20	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.	2.6	15
21	Friction coefficient measurements By LFM on DLC films as function of sputtering deposition parameters. <i>Diamond and Related Materials</i> , 2002, 11, 1135-1138.	3.9	14
22	Very adherent CVD diamond film on modified molybdenum surface. <i>Diamond and Related Materials</i> , 2002, 11, 532-535.	3.9	12
23	Plasma etching of DLC films for microfluidic channels. <i>Microelectronics Journal</i> , 2003, 34, 635-638.	2.0	12
24	Influence of crystalline diamond nanoparticles on diamond-like carbon friction behavior. <i>Applied Surface Science</i> , 2011, 257, 7387-7393.	6.1	11
25	Si_xC_y 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
26	Adherent diamond-like carbon coatings on metals via PECVD and IBAD. <i>Brazilian Journal of Physics</i> , 2006, 36, 986-989.	1.4	8
27	Corrosion behavior of Al ₂₀₂₄ , Al ₅₀₅₂ , and Al ₆₀₆₁ aluminum alloys coated with DLC films in aviation fuel medium, Jet A-1 and AVGAS 100LL. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2019, 70, 2278-2291.	1.5	7
28	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.	3.5	7
29	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.	1.2	5
30	SiO _x Top Layer on DLC Films for Atomic Oxygen and Ozone Corrosion Protection in Aerospace Applications. <i>Materials Research</i> , 2021, 24, .	1.3	5
31	Effect of DLC Films with and without Silver Nanoparticles Deposited On Titanium Alloy. <i>Brazilian Dental Journal</i> , 2019, 30, 607-616.	1.1	5
32	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
33	Hydrogenated amorphous carbon as protective coating for a forming tool. <i>EPJ Applied Physics</i> , 2011, 56, 24014.	0.7	3
34	Lubricating coating prepared by PIIID on a forming tool. <i>Journal of Physics: Conference Series</i> , 2012, 370, 012022.	0.4	3
35	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.	2.6	3
36	Photoacoustic investigations of optical absorption, photoluminescence, and thermal diffusivity of Porous Diamond-Like-Carbon films. <i>European Physical Journal Special Topics</i> , 2005, 125, 293-295.	0.2	0

#	ARTICLE	IF	CITATIONS
37	Bioactivity of Ti6Al4V alloy with bioglass and corrosion protection by silane coating. Research, Society and Development, 2021, 10, e23310615308.	0.1	0
38	Detector Ionizogr�fico para Diagn�stico de C�ncer de Mama. Research, Society and Development, 2021, 10, e24410917229.	0.1	0
39	Non-thermal plasma applied to treating diabetic foot. Research, Society and Development, 2021, 10, e539101220128.	0.1	0
40	Effect of water and alkali on purification bacterial cellulose membrane from Kombucha. Research, Society and Development, 2021, 10, e526101523267.	0.1	0