

Evaldo Jos Corat

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

200
papers

4,057
citations

32
h-index

53
g-index

205
ext. papers

4,325
ext. citations

3.7
avg, IF

5.2
L-index

#	Paper	IF	Citations
200	Evaluation of Al ₂ O ₃ and ZrO ₂ addition to reduced graphene oxide (rGO) supports and their interplay with Cu sites in the catalyst surface. <i>Inorganic Chemistry Communication</i> , 2022 , 142, 109591	3.1	
199	Characterization of interlaminar shear properties of nanostructured unidirectional composites. <i>Composite Interfaces</i> , 2021 , 28, 191-208	2.3	2
198	Laser cladding of vanadium carbide interlayer for CVD diamond growth on steel substrate. <i>Surface and Coatings Technology</i> , 2021 , 421, 127387	4.4	4
197	Mitigating residual stress of high temperature CVD diamond films on vanadium carbide coated steel. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2021 , 39, 013401	2.9	1
196	Vertically aligned carbon nanotubes (VACNT) surfaces coated with polyethylene for enhanced dew harvesting. <i>Diamond and Related Materials</i> , 2020 , 107, 107837	3.5	3
195	Development and study of low-cost VACNT/PDMS stretchable and resistive strain sensor. <i>Sensors and Actuators A: Physical</i> , 2020 , 315, 112358	3.9	4
194	Determination of tadalafil in pharmaceutical samples by vertically oriented multi-walled carbon nanotube electrochemical sensing device. <i>Journal of Electroanalytical Chemistry</i> , 2020 , 877, 114501	4.1	7
193	Fast carbon nanotube growth on carbon fiber keeping tensile strength. <i>Composite Interfaces</i> , 2020 , 1-20	2.3	0
192	CVD-diamond nanoparticle synthesis for DLC film application. <i>Journal of Nanoparticle Research</i> , 2020 , 22, 1	2.3	4
191	Growth and characterization of multilayer hot-filament chemical vapor deposition diamond coatings on WC/Co substrates. <i>Surface Innovations</i> , 2019 , 7, 36-43	1.9	4
190	Water Vapor Condensation from Atmospheric Air by Super-Hydrophobic VACNTs Growth on Stainless Steel Pipes. <i>MRS Advances</i> , 2019 , 4, 1929-1936	0.7	0
189	A novel method to mitigate residual stress in CVD diamond film on steel substrates with a single intermediate layer. <i>Surface and Coatings Technology</i> , 2019 , 357, 93-102	4.4	10
188	Influence of catalyst particles on multi-walled carbon nanotubes morphology and structure. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2018 , 26, 315-323	1.8	5
187	Graphene sheets produced by carbon nanotubes unzipping and their performance as supercapacitor. <i>Applied Surface Science</i> , 2018 , 446, 201-208	6.7	31
186	Process and characterization of reclaimed carbon fiber composites by pyrolysis and oxidation, assisted by thermal plasma to avoid pollutants emissions. <i>Journal of Composite Materials</i> , 2018 , 52, 1379-1398	2.7	6
185	Adherent HFCVD diamond on steels substrates using vanadium carbide intermediate layer. <i>Diamond and Related Materials</i> , 2018 , 89, 218-226	3.5	5
184	Water vapor condensation and collection by super-hydrophilic and super-hydrophobic VACNTs. <i>Diamond and Related Materials</i> , 2018 , 87, 43-49	3.5	12

183	Thin-film nanocomposites of BDD/CNT deposited on carbon fiber. <i>Diamond and Related Materials</i> , 2017 , 75, 116-122	3.5	8
182	Synthesis and Characterization of Carbon Fiber Based Porous CNTs-RGO/BDD for Application as Microelectrodes. <i>MRS Advances</i> , 2017 , 2, 2247-2252	0.7	
181	Composite intermediate layer for CVD diamond film on steel substrate. <i>MRS Advances</i> , 2017 , 2, 2211-2216	1	
180	Porous boron-doped diamond/CNT electrode as electrochemical sensor for flow-injection analysis applications. <i>Diamond and Related Materials</i> , 2017 , 74, 182-190	3.5	14
179	Synthesis of Vanadium Interface for HFCVD Diamond Deposition on Steel Surface. <i>Materials Research</i> , 2017 , 20, 248-253	1.5	2
178	Diamond Films on Stainless Steel Substrates with an Interlayer Applied by Laser Cladding. <i>Materials Research</i> , 2017 , 20, 543-548	1.5	8
177	Characterization and tribologic study in high vacuum of hydrogenated DLC films deposited using pulsed DC PECVD system for space applications. <i>Surface and Coatings Technology</i> , 2017 , 332, 135-141	4.4	17
176	Evaluation of the Adhesion of Ultrananocrystalline Diamond Coatings on WC-Co Substrates. <i>Materials Today: Proceedings</i> , 2017 , 4, 11538-11543	1.4	3
175	Simultaneous Voltammetric Determination of Paracetamol, Codeine and Caffeine on Diamond-like Carbon Porous Electrodes. <i>Electroanalysis</i> , 2017 , 29, 907-916	3	15
174	Diamond and Carbon Nanotube Composites for Supercapacitor Devices. <i>Journal of Electronic Materials</i> , 2017 , 46, 929-935	1.9	11
173	Interlayers Applied to CVD Diamond Deposition on Steel Substrate: A Review. <i>Coatings</i> , 2017 , 7, 141	2.9	28
172	Nano- and microcrystalline diamond deposition on pretreated WC/Co substrates: structural properties and adhesion. <i>Materials Research Express</i> , 2016 , 3, 025601	1.7	14
171	Promising electrochemical performance of high-surface-area boron-doped diamond/carbon nanotube electroanalytical sensors. <i>Journal of Solid State Electrochemistry</i> , 2016 , 20, 2403-2409	2.6	25
170	Laser cladding of SiC multilayers for diamond deposition on steel substrates. <i>Diamond and Related Materials</i> , 2016 , 65, 105-114	3.5	19
169	DLC Films Grown On Steel Using An Innovator Active Screen System For PECVD Technique. <i>Materials Research</i> , 2016 , 19, 882-888	1.5	9
168	Graphene oxide/multi-walled carbon nanotubes as nanofeatured scaffolds for the assisted deposition of nanohydroxyapatite: characterization and biological evaluation. <i>International Journal of Nanomedicine</i> , 2016 , 11, 2569-85	7.3	17
167	Functionalized-Carbon Nanotubes with Physisorbed Ionic Liquid as Filler for Epoxy Nanocomposites. <i>Journal of Nanoscience and Nanotechnology</i> , 2016 , 16, 9132-9140	1.3	11
166	Methods to grow porous diamond film doped with boron and nitrogen by deposition on carbon nanotubes. <i>Diamond and Related Materials</i> , 2016 , 65, 198-203	3.5	6

165	Effect of Argon during Diamond Deposition by Hot Filament Chemical Vapor Deposition. <i>Materials Science Forum</i> , 2016 , 869, 721-726	0.4	1
164	Freestanding Aligned Multi-walled Carbon Nanotubes for Supercapacitor Devices. <i>Journal of Electronic Materials</i> , 2016 , 45, 5781-5788	1.9	18
163	Electrochemical determination of rosuvastatin calcium in pharmaceutical and human body fluid samples using a composite of vertically aligned carbon nanotubes and graphene oxide as the electrode material. <i>Sensors and Actuators B: Chemical</i> , 2015 , 218, 51-59	8.5	24
162	Control of the Length and Density of Carbon Nanotubes Grown on Carbon Fiber for Composites Reinforcement. <i>Materials Research Society Symposia Proceedings</i> , 2015 , 1752, 77-82		3
161	An evaluation of the tribological characteristics of DLC films grown on Inconel Alloy 718 using the Active Screen Plasma technique in a Pulsed-DC PECVD system. <i>Surface and Coatings Technology</i> , 2015 , 284, 235-239	4.4	12
160	Analysis of cellular adhesion on superhydrophobic and superhydrophilic vertically aligned carbon nanotube scaffolds. <i>Materials Science and Engineering C</i> , 2015 , 48, 365-71	8.3	18
159	High surface area diamond-like carbon electrodes grown on vertically aligned carbon nanotubes. <i>Carbon</i> , 2015 , 82, 288-296	10.4	15
158	Impedance spectroscopy of silicone rubber and vertically-aligned carbon nanotubes composites under tensile strain. <i>Materials Research Society Symposia Proceedings</i> , 2015 , 1752, 83-88		
157	Influence of Boriding Process in Adhesion of CVD Diamond Films on Tungsten Carbide Substrates. <i>Materials Research</i> , 2015 , 18, 925-930	1.5	10
156	Combined effect of nitrogen doping and nanosteps on microcrystalline diamond films for improvement of field emission. <i>Applied Surface Science</i> , 2015 , 334, 222-226	6.7	3
155	Preparation and electroanalytical applications of vertically aligned carbon nanotubes. <i>SPR Electrochemistry</i> , 2015 , 50-96		3
154	Graphene and carbon nanotube composite enabling a new prospective treatment for trichomoniasis disease. <i>Materials Science and Engineering C</i> , 2014 , 41, 65-9	8.3	17
153	Oxygen Plasma Exfoliated Vertically-Aligned Carbon Nanotubes as Electrodes for Ultrasensitive Stripping Detection of Pb ²⁺ . <i>Journal of the Electrochemical Society</i> , 2014 , 161, H321-H325	3.9	12
152	Reduced graphene oxide and vertically aligned carbon nanotubes superhydrophilic films for supercapacitors devices. <i>Materials Research Bulletin</i> , 2014 , 49, 487-493	5.1	41
151	Porous boron-doped diamond/carbon nanotube electrodes. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 990-5	9.5	117
150	Deposition of amorphous hydrogenated carbon films on steel surfaces through the enhanced asymmetrical modified bipolar pulsed-DC PECVD method. <i>Surface and Coatings Technology</i> , 2014 , 260, 133-138	4.4	20
149	Electrochemical performance of porous diamond-like carbon electrodes for sensing hormones, neurotransmitters, and endocrine disruptors. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 21086-92	9.5	32
148	Differential pulse adsorptive stripping voltammetric determination of nanomolar levels of atorvastatin calcium in pharmaceutical and biological samples using a vertically aligned carbon nanotube/graphene oxide electrode. <i>Analyst, The</i> , 2014 , 139, 2832-41	5	28

147	Electrodeposition of Zinc Oxide NanoSheets on Exfoliated Tips of Carbon Nanotube Films. <i>Advanced Materials Research</i> , 2014 , 975, 50-55	0.5	
146	Activation energies for the growth of diamond films and the renucleation of diamond grains during film growth. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2014 , 32, 031808	1.3	5
145	Graphene and carbon nanotube nanocomposite for gene transfection. <i>Materials Science and Engineering C</i> , 2014 , 39, 288-98	8.3	46
144	Friction and Wear Behavior Evaluation of DLC Films Grown in Multilayer of Carbon and Silicon. <i>Materials Science Forum</i> , 2014 , 802, 392-397	0.4	
143	Adherence Study of Diamond-Like Carbon Films Deposited on X45 CrSi 9-3 Steel with a Silicon Interlayer. <i>Materials Science Forum</i> , 2014 , 802, 642-647	0.4	
142	Electrodeposition of Zinc Oxide on Graphene Tips Electrochemically Exfoliated and O ₂ -Plasma Treated. <i>Advanced Materials Research</i> , 2014 , 975, 179-183	0.5	
141	Vertically Aligned Carbon Nanotubes/Carbon Fiber Composites for Electrochemical Applications. <i>Materials Science Forum</i> , 2014 , 802, 192-196	0.4	3
140	Adherence Analysis of DLC Films Grown on AISI M2 Steel Substrates as a Function of Silicon Interlayer Thickness. <i>Materials Science Forum</i> , 2014 , 802, 388-391	0.4	3
139	Micro, Nano and Ultrnano-Crystalline Diamond Deposition. <i>Materials Science Forum</i> , 2014 , 802, 168-173	0.4	3
138	Electric Double Layer Capacitor of Multiwall Carbon Nanotubes under Different Degree of Acid Oxidations. <i>Materials Science Forum</i> , 2014 , 802, 186-191	0.4	
137	Effect of Heat Treatment on Microstructure and Mechanical Property of Diamonds Substrates Brazed with Active Filler Metal. <i>Defect and Diffusion Forum</i> , 2014 , 353, 254-258	0.7	
136	Electrochemical behaviour of vertically aligned carbon nanotubes and graphene oxide nanocomposite as electrode material. <i>Electrochimica Acta</i> , 2014 , 119, 114-119	6.7	66
135	Effect of Multi-Walled Carbon Nanotubes Incorporation on the Structure, Optical and Electrochemical Properties of Diamond-Like Carbon Thin Films. <i>Journal of the Electrochemical Society</i> , 2014 , 161, H290-H295	3.9	22
134	Cure study of epoxy resin reinforced with multiwalled carbon nanotubes by Raman and luminescence spectroscopy. <i>Journal of Applied Polymer Science</i> , 2013 , 127, 544-553	2.9	35
133	In vitro and in vivo studies of a novel nanohydroxyapatite/superhydrophilic vertically aligned carbon nanotube nanocomposites. <i>Journal of Materials Science: Materials in Medicine</i> , 2013 , 24, 1723-32	4.5	18
132	Field emission from hybrid diamond-like carbon and carbon nanotube composite structures. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 12238-43	9.5	65
131	Comparative study of the tribological behavior under hybrid lubrication of diamond-like carbon films with different adhesion interfaces. <i>Applied Surface Science</i> , 2013 , 285, 645-648	6.7	8
130	Development of nanocrystalline diamond windows for application in synchrotron beamlines. <i>Vacuum</i> , 2013 , 89, 21-25	3.7	16

129	Effect of ultrasound irradiation on the production of nHAp/MWCNT nanocomposites. <i>Materials Science and Engineering C</i> , 2013 , 33, 4305-12	8.3	37
128	An evaluation of chondrocyte morphology and gene expression on superhydrophilic vertically-aligned multi-walled carbon nanotube films. <i>Materials Science and Engineering C</i> , 2013 , 33, 641-7	8.3	17
127	On the Diffusion Profile at the Brazed Interface between Active Filler Metal and CVD Diamond Plates. <i>Defect and Diffusion Forum</i> , 2013 , 334-335, 203-206	0.7	1
126	In vitro biomineralization of a novel hydroxyapatite/superhydrophilic multiwalled carbon nanotube nanocomposite using simulated body fluids. <i>Materials Research</i> , 2013 , 16, 650-654	1.5	
125	Fast functionalization of vertically aligned multiwalled carbon nanotubes using oxygen plasma. <i>Materials Letters</i> , 2012 , 70, 89-93	3.3	72
124	Efficient method to produce biomineralized nanohydroxyapatite/vertically aligned multiwalled carbon nanotube scaffolds. <i>Materials Letters</i> , 2012 , 79, 166-169	3.3	8
123	Cytocompatibility studies of vertically-aligned multi-walled carbon nanotubes: Raw material and functionalized by oxygen plasma. <i>Materials Science and Engineering C</i> , 2012 , 32, 648-652	8.3	20
122	The valuable role of renucleation rate in ultrananocrystalline diamond growth. <i>Diamond and Related Materials</i> , 2012 , 23, 112-119	3.5	17
121	Biomineralization of superhydrophilic vertically aligned carbon nanotubes. <i>Langmuir</i> , 2012 , 28, 4413-24	4	28
120	Growth of Carbon Nanotube Forests on Carbon Fibers with a SiO ₂ Interlayer. <i>Materials Research Society Symposia Proceedings</i> , 2012 , 1451, 97-102		2
119	Morphological Characterization of UNCD on Etched Silicon. <i>Materials Science Forum</i> , 2012 , 727-728, 1671-1676		1676
118	CVD Diamond Films Growth on Silicon Nitride Inserts (Si ₃ N ₄) with High Nucleation Density by Functionalization Seeding. <i>Materials Science Forum</i> , 2012 , 727-728, 1433-1438	0.4	9
117	CVD of Alternated MCD and NCD Films on Cemented Carbide Inserts 2012 , 369-382		
116	Confinement effect and spreading of water into microchannels fabricated on the VACNT surfaces. <i>Diamond and Related Materials</i> , 2011 , 20, 931-936	3.5	4
115	Evaluation of residual iron in carbon nanotubes purified by acid treatments. <i>Applied Surface Science</i> , 2011 , 258, 641-648	6.7	115
114	Epoxy composite with milimetric carbon nanotubes. <i>Journal of Nanoscience and Nanotechnology</i> , 2011 , 11, 9025-31	1.3	1
113	Tribological behavior under aggressive environment of diamond-like carbon films with incorporated nanocrystalline diamond particles. <i>Surface and Coatings Technology</i> , 2011 , 206, 434-439	4.4	10
112	<i>Tritrichomonas foetus</i> adhere to superhydrophilic vertically aligned multi-walled carbon nanotube surface. <i>Materials Science and Engineering C</i> , 2011 , 31, 1614-1617	8.3	4

111	Increasing mouse embryonic fibroblast cells adhesion on superhydrophilic vertically aligned carbon nanotube films. <i>Materials Science and Engineering C</i> , 2011 , 31, 1505-1511	8.3	21
110	Influence of polar groups on the wetting properties of vertically aligned multiwalled carbon nanotube surfaces. <i>Theoretical Chemistry Accounts</i> , 2011 , 130, 1061-1069	1.9	16
109	Proposed model for growth preference of plate-like nanohydroxyapatite crystals on superhydrophilic vertically aligned carbon nanotubes by electrodeposition. <i>Theoretical Chemistry Accounts</i> , 2011 , 130, 1071-1082	1.9	13
108	Rapid Obtaining of Nano-Hydroxyapatite Bioactive Films on NiTi Shape Memory Alloy by Electrodeposition Process. <i>Journal of Materials Engineering and Performance</i> , 2011 , 20, 793-797	1.6	22
107	Influence of crystalline diamond nanoparticles on diamond-like carbon friction behavior. <i>Applied Surface Science</i> , 2011 , 257, 7387-7393	6.7	10
106	Analyses of residual iron in carbon nanotubes produced by camphor/ferrocene pyrolysis and purified by high temperature annealing. <i>Applied Surface Science</i> , 2011 , 257, 8038-8043	6.7	49
105	Investigation into the antibacterial property and bacterial adhesion of diamond-like carbon films. <i>Vacuum</i> , 2011 , 85, 662-666	3.7	27
104	Tribological effect of iron oxide residual on the DLC film surface under seawater and saline solutions. <i>Surface Science</i> , 2011 , 605, 783-787	1.8	13
103	CO ₂ laser treatment for stabilization of the superhydrophobicity of carbon nanotube surfaces. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2010 , 28, 1153-1157	1.3	16
102	Thermodiffused vanadium carbide interface for diamond films on steel and cemented carbides substrates. <i>Surface Engineering</i> , 2010 , 26, 506-510	2.6	15
101	Thermal annealing and electrochemical purification of multi-walled carbon nanotubes produced by camphor/ferrocene mixtures. <i>Journal of Nanoscience and Nanotechnology</i> , 2010 , 10, 1296-303	1.3	13
100	Wettability control on vertically-aligned multi-walled carbon nanotube surfaces with oxygen pulsed DC plasma and CO ₂ laser treatments. <i>Diamond and Related Materials</i> , 2010 , 19, 752-755	3.5	47
99	Improvement of DLC electrochemical corrosion resistance by addition of fluorine. <i>Diamond and Related Materials</i> , 2010 , 19, 537-540	3.5	39
98	Growth and characterization of diamond micro and nano crystals obtained using different methane concentration in argon-rich gas mixture. <i>Diamond and Related Materials</i> , 2010 , 19, 768-771	3.5	5
97	Fast preparation of hydroxyapatite/superhydrophilic vertically aligned multiwalled carbon nanotube composites for bioactive application. <i>Langmuir</i> , 2010 , 26, 18308-14	4	46
96	Monolayer formation of human osteoblastic cells on vertically aligned multiwalled carbon nanotube scaffolds. <i>Cell Biology International</i> , 2010 , 34, 393-8	4.5	9
95	Characterization of crystalline diamond incorporated diamond-like carbon films. <i>Diamond and Related Materials</i> , 2010 , 19, 1139-1143	3.5	12
94	Antibacterial activity of fluorinated diamond-like carbon films produced by PECVD. <i>Surface and Coatings Technology</i> , 2010 , 204, 2986-2990	4.4	37

93	Total re-establishment of superhydrophobicity of vertically-aligned carbon nanotubes by Co2 laser treatment. <i>Surface and Coatings Technology</i> , 2010 , 204, 3073-3077	4.4	18
92	Improvement of diamond-like carbon electrochemical corrosion resistance by addition of nanocrystalline diamond. <i>Journal of Colloid and Interface Science</i> , 2010 , 342, 636-7	9.3	9
91	Crystalline diamond particles into diamond-like carbon films: The influence of the particle sizes on the electrochemical corrosion resistance. <i>Surface and Coatings Technology</i> , 2010 , 204, 2600-2604	4.4	13
90	An evaluation of cell proliferation and adhesion on vertically-aligned multi-walled carbon nanotube films. <i>Carbon</i> , 2010 , 48, 245-254	10.4	54
89	Growth of carbon nanotube forests on carbon fibers with an amorphous silicon interface. <i>Carbon</i> , 2010 , 48, 3655-3658	10.4	43
88	Crescimento de diamante CVD em substratos de silício de grande área. <i>Revista Escola De Minas</i> , 2010 , 63, 279-285		
87	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, 3891-7	1.3	18
86	Use of near atmospheric pressure and low pressure techniques to modification DLC film surface. <i>Surface and Coatings Technology</i> , 2009 , 204, 64-68	4.4	13
85	Two-step growth of HFCVD diamond films over large areas. <i>Vacuum</i> , 2009 , 83, 1054-1056	3.7	2
84	Antibacterial activity of DLC films containing TiO2 nanoparticles. <i>Journal of Colloid and Interface Science</i> , 2009 , 340, 87-92	9.3	82
83	Wettability and antibacterial activity of modified diamond-like carbon films. <i>Applied Surface Science</i> , 2009 , 255, 8377-8382	6.7	36
82	Diamond-like carbon films produced from high deposition rates exhibit antibacterial activity. <i>Synthetic Metals</i> , 2009 , 159, 2167-2169	3.6	17
81	Cytotoxicity analysis of vertically aligned multi-walled carbon nanotubes by colorimetric assays. <i>Synthetic Metals</i> , 2009 , 159, 2165-2166	3.6	6
80	Antibacterial activity of DLC and AgDLC films produced by PECVD technique. <i>Diamond and Related Materials</i> , 2009 , 18, 1010-1014	3.5	95
79	Influence of substrate temperature on formation of ultrananocrystalline diamond films deposited by HFCVD argon-rich gas mixture. <i>Diamond and Related Materials</i> , 2009 , 18, 1283-1288	3.5	49
78	The activation energy for nanocrystalline diamond films deposited from an Ar/H2/CH4 hot-filament reactor. <i>Journal of Nanoscience and Nanotechnology</i> , 2009 , 9, 3944-8	1.3	8
77	Biocompatibility of multi-walled carbon nanotubes grown on titanium and silicon surfaces. <i>Materials Science and Engineering C</i> , 2008 , 28, 532-538	8.3	28
76	Adherent amorphous hydrogenated carbon films on metals deposited by plasma enhanced chemical vapor deposition. <i>Thin Solid Films</i> , 2008 , 516, 4011-4017	2.2	59

75	Morphological and electrochemical properties of boron-doped diamond films on carbon cloths with enhanced surface area. <i>Thin Solid Films</i> , 2008 , 516, 4934-4939	2.2	6
74	Cell viability and adhesion on as grown multi-wall carbon nanotube films. <i>Materials Science and Engineering C</i> , 2008 , 28, 264-269	8.3	51
73	Detection of N and B in doped diamond films by ERDA method and related electrochemical characteristics. <i>Diamond and Related Materials</i> , 2007 , 16, 174-180	3.5	6
72	A comparative study of diamond growth on tungsten wires by using methane and graphite as the carbon source. <i>Surface and Coatings Technology</i> , 2007 , 201, 7382-7386	4.4	2
71	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	4.4	37
70	Influence of diameter in the Raman spectra of aligned multi-walled carbon nanotubes. <i>Carbon</i> , 2007 , 45, 913-921	10.4	183
69	DLC film properties obtained by a low cost and modified pulsed-DC discharge. <i>Thin Solid Films</i> , 2007 , 516, 272-276	2.2	39
68	Tribological and mechanical properties of DLC film obtained on metal surface by an enhanced and low-cost pulsed-DC discharge. <i>International Journal of Surface Science and Engineering</i> , 2007 , 1, 417	1	14
67	Taxa de crescimento de filmes de diamante CVD em superfícies de molibdênio. <i>Revista Escola De Minas</i> , 2007 , 60, 227-231		2
66	Adhesion studies of diamond-like carbon films deposited on Ti6Al4V substrate with a silicon interlayer. <i>Thin Solid Films</i> , 2006 , 515, 375-379	2.2	111
65	Cell Viability and Adhesion on as Grown Vertically Aligned Carbon Nanotubes. <i>Materials Research Society Symposia Proceedings</i> , 2006 , 950, 1		
64	Raman and infrared spectroscopy studies of carbon nitride films prepared on Si (100) substrates by ion beam assisted deposition. <i>Journal of the Brazilian Chemical Society</i> , 2006 , 17, 1163-1169	1.5	14
63	Cutting characteristics of dental diamond burs made with CVD technology. <i>Brazilian Oral Research</i> , 2006 , 20, 155-61	2.6	19
62	Adherent diamond-like carbon coatings on metals via PECVD and IBAD. <i>Brazilian Journal of Physics</i> , 2006 , 36, 986-989	1.2	7
61	Comparative study of first- and second-order Raman spectra of MWCNT at visible and infrared laser excitation. <i>Carbon</i> , 2006 , 44, 2202-2211	10.4	373
60	DLC cold welding prevention films on a Ti6Al4V alloy for space applications. <i>Surface and Coatings Technology</i> , 2006 , 200, 2587-2593	4.4	23
59	Morphological and electrochemical studies of spherical boron doped diamond electrodes. <i>Thin Solid Films</i> , 2006 , 513, 364-368	2.2	5
58	Wettability and corrosion tests of diamond films grown on Ti6Al4V alloy. <i>Surface and Coatings Technology</i> , 2005 , 194, 271-275	4.4	23

57	Micro and nanocrystalline diamond formation on reticulated vitreous carbon substrate. <i>Chemical Physics Letters</i> , 2005 , 414, 412-416	2.5	8
56	Adherence Measurements of Nanodiamond Thin Films Grown on Ti6Al4V Alloy. <i>Journal of Metastable and Nanocrystalline Materials</i> , 2004 , 20-21, 753-757	0.2	2
55	Turning of CFRC Composites Using Si3N4 and Thin CVD Diamond Coated Si3N4 Tools. <i>Materials Science Forum</i> , 2004 , 455-456, 609-613	0.4	5
54	Micro-Raman spectroscopy for stress analysis on large area diamond/Ti6Al4V electrodes. <i>Diamond and Related Materials</i> , 2004 , 13, 526-532	3.5	7
53	Boron doped diamond thin films on large area Ti6Al4V substrates for electrochemical application. <i>Materials Research</i> , 2003 , 6, 57-61	1.5	7
52	Studies of molybdenum surface modification for growth of adherent CVD diamond film. <i>Materials Research</i> , 2003 , 6, 305-309	1.5	4
51	Comparison of diamond growth with different gas mixtures in microwave plasma assisted chemical vapor deposition (MWCVD). <i>Materials Research</i> , 2003 , 6, 63-70	1.5	1
50	Raman analyses of residual stress in diamond thin films grown on Ti6Al4V alloy. <i>Materials Research</i> , 2003 , 6, 51-56	1.5	10
49	Residual stresses and crystalline quality of heavily boron-doped diamond films analysed by micro-Raman spectroscopy and X-ray diffraction. <i>Carbon</i> , 2003 , 41, 1301-1308	10.4	78
48	Efficiency study of perforated diamond electrodes for organic compounds oxidation process. <i>Diamond and Related Materials</i> , 2003 , 12, 577-582	3.5	25
47	Chemical vapor deposition diamond thin films growth on Ti6Al4V using the Surfatron system. <i>Diamond and Related Materials</i> , 2002 , 11, 550-554	3.5	9
46	Very adherent CVD diamond film on modified molybdenum surface. <i>Diamond and Related Materials</i> , 2002 , 11, 532-535	3.5	10
45	Friction coefficient measurements By LFM on DLC films as function of sputtering deposition parameters. <i>Diamond and Related Materials</i> , 2002 , 11, 1135-1138	3.5	12
44	Analysis of residual stress in diamond films by x-ray diffraction and micro-Raman spectroscopy. <i>Journal of Applied Physics</i> , 2002 , 91, 2466-2472	2.5	60
43	Kinetics study of diamond electrodes at different levels of boron doping as quasi-reversible systems. <i>Diamond and Related Materials</i> , 2002 , 11, 1523-1531	3.5	68
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