

Elidiane C Rangel

List of Publications by Year in descending order

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150
papers

2,113
citations

236925

25
h-index

315739

38
g-index

152
all docs

152
docs citations

152
times ranked

2377
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of binary and ternary titanium alloys for dental implants. <i>Dental Materials</i> , 2017, 33, 1244-1257.	3.5	122
2	Visible-Light-Induced Photocatalytic and Antibacterial Activity of TiO ₂ Codoped with Nitrogen and Bismuth: New Perspectives to Control Implant-Biofilm-Related Diseases. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 18186-18202.	8.0	95
3	Antibacterial photocatalytic activity of different crystalline TiO ₂ phases in oral multispecies biofilm. <i>Dental Materials</i> , 2018, 34, e182-e195.	3.5	66
4	Functionalization of an experimental Ti-Nb-Zr-Ta alloy with a biomimetic coating produced by plasma electrolytic oxidation. <i>Journal of Alloys and Compounds</i> , 2019, 770, 1038-1048.	5.5	66
5	Targeting Pathogenic Biofilms: Newly Developed Superhydrophobic Coating Favors a Host-Compatible Microbial Profile on the Titanium Surface. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 10118-10129.	8.0	65
6	Enhancement of polymer hydrophobicity by SF ₆ plasma treatment and argon plasma immersion ion implantation. <i>Surface and Interface Analysis</i> , 2003, 35, 179-183.	1.8	56
7	Zinc oxide surface functionalization and related effects on corrosion resistance of titanium implants. <i>Ceramics International</i> , 2018, 44, 4000-4008.	4.8	56
8	Characterization of chemically treated Ti-Zr system alloys for dental implant application. <i>Materials Science and Engineering C</i> , 2018, 92, 849-861.	7.3	54
9	Deciphering pyritization-kerogenization gradient for fish soft-tissue preservation. <i>Scientific Reports</i> , 2017, 7, 1468.	3.3	49
10	Synthesis of bioactive glass-based coating by plasma electrolytic oxidation: Untangling a new deposition pathway toward titanium implant surfaces. <i>Journal of Colloid and Interface Science</i> , 2020, 579, 680-698.	9.4	47
11	Investigations on the Stability of Plasma Modified Silicone Surfaces. <i>Plasmas and Polymers</i> , 2004, 9, 35-48.	1.5	46
12	Sputtered crystalline TiO ₂ film drives improved surface properties of titanium-based biomedical implants. <i>Materials Science and Engineering C</i> , 2021, 119, 111638.	7.3	45
13	Properties of titanium oxide films obtained by PECVD. <i>Surface and Coatings Technology</i> , 2000, 126, 123-130.	4.8	42
14	Deciphering the preservation of fossil insects: a case study from the Crato Member, Early Cretaceous of Brazil. <i>PeerJ</i> , 2016, 4, e2756.	2.0	41
15	Three-species biofilm model onto plasma-treated titanium implant surface. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 152, 354-366.	5.0	39
16	Production of a biofunctional titanium surface using plasma electrolytic oxidation and glow-discharge plasma for biomedical applications. <i>Biointerphases</i> , 2016, 11, 011013.	1.6	35
17	Growth of hydroxyapatite coatings on tantalum by plasma electrolytic oxidation in a single step. <i>Surface and Coatings Technology</i> , 2019, 357, 698-705.	4.8	35
18	Surface characterization of lithium disilicate ceramic after nonthermal plasma treatment. <i>Journal of Prosthetic Dentistry</i> , 2014, 112, 1156-1163.	2.8	32

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19	UV-photofunctionalization of a biomimetic coating for dental implants application. <i>Materials Science and Engineering C</i> , 2020, 110, 110657.	7.3	32
20	Surface-treated commercially pure titanium for biomedical applications: Electrochemical, structural, mechanical and chemical characterizations. <i>Materials Science and Engineering C</i> , 2016, 65, 251-261.	7.3	30
21	Synthesis of biofunctional coating for a TiZr alloy: Surface, electrochemical, and biological characterizations. <i>Applied Surface Science</i> , 2018, 452, 268-278.	6.1	29
22	Treatment of PVC using an alternative low energy ion bombardment procedure. <i>Applied Surface Science</i> , 2011, 258, 1854-1861.	6.1	28
23	Organosilicon films deposited in low-pressure plasma from hexamethyldisiloxane " A review. <i>Vacuum</i> , 2021, 194, 110556.	3.5	27
24	Effect of the fluorination of DLC film on the corrosion protection of aluminum alloy (AA 5052). <i>Surface and Coatings Technology</i> , 2010, 204, 3022-3028.	4.8	26
25	Surface analysis and shear bond strength of zirconia on resin cements after non-thermal plasma treatment and/or primer application for metallic alloys. <i>Materials Science and Engineering C</i> , 2017, 72, 284-292.	7.3	26
26	Effect of the plasma excitation power on the properties of SiOxCyHz films deposited on AISI 304 steel. <i>Surface and Coatings Technology</i> , 2017, 311, 127-137.	4.8	26
27	Optical emission study of reaction mechanisms in the deposition of nitrogen-containing amorphous hydrogenated carbon films. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 1995, 13, 1901-1906.	2.1	24
28	Evaluation of blood compatibility of plasma deposited heparin-like films and SF6 plasma treated surfaces. <i>Materials Research</i> , 2010, 13, 95-98.	1.3	23
29	Amorphous hydrogenated fluorinated carbon films produced by PECVD. <i>Surface and Coatings Technology</i> , 1996, 86-87, 443-448.	4.8	22
30	Characterisation of a new plasma-enhanced film to improve shear bond strength between zirconia and veneering ceramic. <i>Materials Science and Engineering C</i> , 2018, 92, 196-205.	7.3	22
31	Tailoring the synthesis of tantalum-based thin films for biomedical application: Characterization and biological response. <i>Materials Science and Engineering C</i> , 2019, 101, 111-119.	7.3	22
32	Proteome analysis of the salivary pellicle formed on titanium alloys containing niobium and zirconium. <i>Biofouling</i> , 2019, 35, 173-186.	2.2	22
33	Morphological and Chemical Effects of Plasma Treatment with Oxygen (O2) and Sulfur Hexafluoride (SF6) on Cellulose Surface. <i>Materials Research</i> , 2017, 20, 842-850.	1.3	21
34	Hydrophilization of PVC Surfaces by Argon Plasma Immersion Ion Implantation. <i>Plasmas and Polymers</i> , 2003, 8, 1-11.	1.5	20
35	Al-doping and Properties of AZO Thin Films Grown at Room Temperature: Sputtering Pressure Effect. <i>Materials Research</i> , 2019, 22, .	1.3	19
36	Influence of Ar+ ion irradiation on the properties of plasma polymerized acetylene films. <i>Surface and Coatings Technology</i> , 2000, 127, 93-98.	4.8	18

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37	<i>In vitro</i> adhesion of <i>Candida glabrata</i> to denture base acrylic resin modified by glow discharge plasma treatment. <i>Mycoses</i> , 2013, 56, 134-144.	4.0	18
38	Optical, mechanical and surface properties of amorphous carbonaceous thin films obtained by plasma enhanced chemical vapor deposition and plasma immersion ion implantation and deposition. <i>Applied Surface Science</i> , 2013, 280, 474-481.	6.1	18
39	Aging effect of atmospheric air on lithium disilicate ceramic after nonthermal plasma treatment. <i>Journal of Prosthetic Dentistry</i> , 2016, 115, 780-787.	2.8	18
40	Properties of hydrogenated amorphous carbon films deposited by PECVD and modified by SF ₆ plasma. <i>Surface and Coatings Technology</i> , 2011, 206, 640-645.	4.8	17
41	Wettability and surface microstructure of polyamide 6 coated with SiO _x CyHz films. <i>Surface and Coatings Technology</i> , 2015, 275, 32-40.	4.8	17
42	Nanohardness and contact angle of Si wafers implanted with N and C and Al alloy with N by plasma ion implantation. <i>Surface and Coatings Technology</i> , 2002, 156, 190-194.	4.8	16
43	Solid state hydrolysis of postconsumer polyethylene terephthalate after plasma treatment. <i>Journal of Applied Polymer Science</i> , 2013, 127, 1989-1996.	2.6	16
44	Feasibility of 3D printed Co-Cr alloy for dental prostheses applications. <i>Journal of Alloys and Compounds</i> , 2021, 862, 158171.	5.5	16
45	Amorphous carbon nitrogenated films prepared by plasma immersion ion implantation and deposition. <i>Thin Solid Films</i> , 2006, 515, 1561-1567.	1.8	15
46	Paleometry: A brand new area in Brazilian science. <i>Materials Research</i> , 2014, 17, 1434-1441.	1.3	15
47	Role of the Plasma Activation Degree on Densification of Organosilicon Films. <i>Materials</i> , 2020, 13, 25.	2.9	15
48	Effect of nitrogen in the properties of diamond-like carbon (DLC) coating on Ti ₆ Al ₄ V substrate. <i>Materials Research Express</i> , 2020, 7, 065601.	1.6	15
49	Evaluation of fungal adherence to plasma modified polymethylmethacrylate. <i>Mycoses</i> , 2011, 54, e344-51.	4.0	14
50	Bulk and surface design of MAO-treated Ti-15Zr-15Mo-Ag alloys for potential use as biofunctional implants. <i>Materials Letters</i> , 2020, 269, 127661.	2.6	14
51	Modification of plasma polymer films by ion implantation. <i>Materials Research</i> , 2004, 7, 493-497.	1.3	13
52	Corrosion resistance of 2024 aluminum alloy coated with plasma deposited a-C:H:Si:O films. <i>Materials Research</i> , 2014, 17, 1449-1465.	1.3	13
53	Micro Abrasive Wear Behaviour Study of Carburization and Ion Plasma Nitriding of P20 Steel. <i>Materials Research</i> , 2016, 19, 686-694.	1.3	13
54	Barrier and mechanical properties of carbon steel coated with SiO _x /SiO _x CyHz gradual films prepared by PECVD. <i>Surface and Coatings Technology</i> , 2019, 378, 124996.	4.8	13

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55	Influence of plasma treatment on the physical and chemical properties of sisal fibers and environmental application in adsorption of methylene blue. <i>Materials Today Communications</i> , 2020, 23, 101140.	1.9	13
56	Copper source determines chemistry and topography of implant coatings to optimally couple cellular responses and antibacterial activity. <i>Materials Science and Engineering C</i> , 2022, 134, 112550.	7.3	12
57	In vitro analysis of different properties of acrylic resins for ocular prosthesis submitted to accelerated aging with or without photopolymerized glaze. <i>Materials Science and Engineering C</i> , 2016, 69, 995-1003.	7.3	11
58	Surface characteristics and optical properties of plasma deposited films on indirect aesthetic restorative dental materials. <i>Surface and Coatings Technology</i> , 2018, 348, 55-63.	4.8	11
59	Optical and Electrical Properties of Polymerizing Plasmas and Their Correlation with DLC Film Properties. <i>Plasmas and Polymers</i> , 2004, 9, 1-22.	1.5	10
60	Effect of nonthermal plasma treatment on surface chemistry of commercially-pure titanium and shear bond strength to autopolymerizing acrylic resin. <i>Materials Science and Engineering C</i> , 2016, 60, 37-44.	7.3	10
61	Use of waste foundry sand (WFS) to produce protective coatings on aluminum alloy by plasma electrolytic oxidation. <i>Journal of Cleaner Production</i> , 2019, 222, 584-592.	9.3	10
62	Organosulphur-modified biochar: An effective green adsorbent for removing metal species in aquatic systems. <i>Surfaces and Interfaces</i> , 2021, 22, 100822.	3.0	10
63	Influence of nitrogen implantation on the properties of polymer films deposited in benzene glow discharges. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1998, 141, 211-215.	1.4	9
64	Development of amorphous carbon protective coatings on poly(vinyl)chloride. <i>Thin Solid Films</i> , 2010, 518, 2750-2756.	1.8	9
65	Synthesis of multifunctional chlorhexidine-doped thin films for titanium-based implant materials. <i>Materials Science and Engineering C</i> , 2020, 117, 111289.	7.3	9
66	Effect of helium implantation on the properties of plasma polymer films. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2002, 191, 704-707.	1.4	8
67	Thin polymer films prepared by plasma immersion ion implantation and deposition. <i>Thin Solid Films</i> , 2005, 473, 259-266.	1.8	8
68	Plasma-polymerized acetylene nanofilms modified by nitrogen ion implantation. <i>Applied Surface Science</i> , 2013, 275, 88-93.	6.1	8
69	Toxicity analysis of ocular prosthesis acrylic resin with or without pigment incorporation in human conjunctival cell line. <i>Toxicology in Vitro</i> , 2016, 36, 180-185.	2.4	8
70	Effects of cold SF6 plasma treatment on a-C:H, polypropylene and polystyrene. <i>Surface and Coatings Technology</i> , 2020, 385, 125398.	4.8	8
71	Surface degradation of lithium disilicate ceramic after immersion in acid and fluoride solutions. <i>American Journal of Dentistry</i> , 2015, 28, 174-80.	0.1	8
72	Preparation and characterization of nanocrystalline h-BN films prepared by PECVD method. <i>Brazilian Journal of Physics</i> , 2002, 32, 372-375.	1.4	7

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73	A Novel Plasma Technique for Surface Treatment: The Plasma Expander. IEEE Transactions on Plasma Science, 2012, 40, 492-496.	1.3	7
74	Plasma Treatment to Improve the Surface Properties of Recycled Post-Consumer PVC. Plasma Processes and Polymers, 2015, 12, 456-465.	3.0	7
75	Comparison of sludges produced from two different recirculating aquaculture systems (RAS) for recycle and disposal. Aquaculture, 2019, 502, 87-96.	3.5	7
76	Atmospheric Pressure Plasma Chemical Vapor Deposition of Carvacrol Thin Films on Stainless Steel to Reduce the Formation of E. Coli and S. Aureus Biofilms. Materials, 2020, 13, 3166.	2.9	7
77	Optimizing citric acid protocol to control implant-related infections: An <i>in vitro</i> and <i>in situ</i> study. Journal of Periodontal Research, 2021, 56, 558-568.	2.7	7
78	The effect of ion bombardment on the properties of TiOx films deposited by a modified ion-assisted PECVD technique. Nuclear Instruments & Methods in Physics Research B, 2001, 175-177, 721-725.	1.4	6
79	Effects of ion beam on nanoindentation characteristics of glassy polymeric carbon surface. Surface and Coatings Technology, 2005, 196, 251-256.	4.8	6
80	Plasma enhanced chemical vapor deposition of titanium (IV) ethoxide-oxygen-helium mixtures. Thin Solid Films, 2008, 516, 4940-4945.	1.8	6
81	Wettability, optical properties and molecular structure of plasma polymerized diethylene glycol dimethyl ether. Journal of Physics: Conference Series, 2009, 167, 012053.	0.4	6
82	Preparation of films from aluminum acetylacetonate by plasma sputtering. Surface and Interface Analysis, 2013, 45, 1113-1118.	1.8	6
83	Hydroxyapatite coating deposited on grade 4 Titanium by Plasma Electrolytic Oxidation. Materials Research, 2014, 17, 1427-1433.	1.3	6
84	GEOBIOLOGICAL AND DIAGENETIC INSIGHTS FROM MALVINOKAFFRIC DEVONIAN BIOTA (CHAPADA GROUP), Tj ETQq0 0 0 rgBT /Overlo 238-249.	1.3	6
85	Antimicrobial and protective effects of non-thermal plasma treatments on the performance of a resinous liner. Archives of Oral Biology, 2020, 117, 104822.	1.8	6
86	Aging Effect of Atmospheric Air on Zirconia Surfaces Treated by Nonthermal Plasma. Journal of Adhesive Dentistry, 2015, 17, 413-9.	0.5	6
87	Nanoindentation mechanical properties characterization of glassy polymeric carbon treated with ion beam. Nuclear Instruments & Methods in Physics Research B, 2002, 191, 524-529.	1.4	5
88	Argon ion implantation inducing modifications in the properties of benzene plasma polymers. Nuclear Instruments & Methods in Physics Research B, 2002, 191, 700-703.	1.4	5
89	Diverse Amorphous Carbonaceous Thin Films Obtained by Plasma Enhanced Chemical Vapor Deposition and Plasma Immersion Ion Implantation and Deposition. Physics Procedia, 2012, 32, 48-57.	1.2	5
90	Desenvolvimento e avaliaçŁo de uma fonte DC de alta tensŁo para utilizaçŁo em sistema de deposiçŁo de filmes finos por pulverizaçŁo catŁdica. Revista Materia, 2016, 21, 492-500.	0.2	5

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91	Utilization of gypsum from construction and demolition waste in Portland cement mortar. <i>Ceramica</i> , 2019, 65, 1-6.	0.8	5
92	Paleometry as a key tool to deal with paleobiological and astrobiological issues: some contributions and reflections on the Brazilian fossil record. <i>International Journal of Astrobiology</i> , 2019, 18, 575-589.	1.6	5
93	Improvement of thermoplastic elastomer degradation resistance by low-energy plasma immersion ion bombardment. <i>Materials Chemistry and Physics</i> , 2020, 242, 122467.	4.0	5
94	Amorphous carbon nitride films irradiated with argon ions. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2000, 166-167, 420-425.	1.4	4
95	The Influence of Plasma Composition on the Properties of Plasma Treated Biomaterials. <i>Materials Research Society Symposia Proceedings</i> , 2001, 672, 1.	0.1	4
96	Effects of nitrogen ion irradiation on plasma polymerized films produced from titanium tetraisopropoxide+oxygen+helium mixtures. <i>Surface and Coatings Technology</i> , 2008, 203, 534-537.	4.8	4
97	Reduction of Bacterial Adhesion to Biocompatible Polymer Surfaces Via Plasma Processing. <i>Plasma Medicine</i> , 2011, 1, 157-166.	0.6	4
98	Innovative low temperature plasma approach for deposition of alumina films. <i>Materials Research</i> , 2014, 17, 1410-1419.	1.3	4
99	Surface characterization of polymers used in fabrication of interim prostheses after treatment with photopolymerized glaze. <i>Materials Science and Engineering C</i> , 2017, 71, 755-763.	7.3	4
100	Characterization of amorphous carbon films by PECVD and plasma ion implantation: The role of fluorine and sulfur doping. <i>Materials Chemistry and Physics</i> , 2019, 227, 170-175.	4.0	4
101	Atmospheric pressure plasma deposition of eugenol-derived film on metallic biomaterial for suppression of <i>Escherichia coli</i> and <i>Staphylococcus aureus</i> bacterial biofilm. <i>Thin Solid Films</i> , 2021, 734, 138833.	1.8	4
102	Effect of Plasma Oxidation Treatment on Production of a SiOx/SiOxCyHz Bilayer to Protect Carbon Steel Against Corrosion. <i>Materials Research</i> , 2021, 24, .	1.3	4
103	EFEITO DA TERMORRETIFICAÇÃO NA QUALIDADE DE COLAGEM DE LÂMINAS DE MADEIRA PARA A PRODUÇÃO DE COMPENSADO. <i>Ciencia Florestal</i> , 2018, 28, 274.	0.3	4
104	Nitrogenation of diamond by glow discharge plasma treatment. <i>Thin Solid Films</i> , 1999, 355-356, 184-188.	1.8	3
105	The effect of N+ ion energy on the properties of ion bombarded plasma polymer films. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2001, 175-177, 594-598.	1.4	3
106	Hydrogenated amorphous carbon as protective coating for a forming tool. <i>EPJ Applied Physics</i> , 2011, 56, 24014.	0.7	3
107	Lubricating coating prepared by PIID on a forming tool. <i>Journal of Physics: Conference Series</i> , 2012, 370, 012022.	0.4	3
108	Cell Adhesion to Plasma-Coated PVC. <i>Scientific World Journal</i> , The, 2014, 2014, 1-9.	2.1	3

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109	Thin films produced on 5052 aluminum alloy by plasma electrolytic oxydation with Red Mud-containing Electrolytes. <i>Materials Research</i> , 2014, 17, 1404-1409.	1.3	3
110	Mg-Containing Hydroxyapatite Coatings Produced by Plasma Electrolytic Oxidation of Titanium. <i>Materials Research</i> , 2017, 20, 891-898.	1.3	3
111	Effect of nonthermal plasma on the properties of a resinous liner submitted to aging. <i>Journal of Prosthetic Dentistry</i> , 2018, 119, 397-403.	2.8	3
112	Analysis of physical properties of facial silicones with different pigmentations submitted to nonthermal plasma treatment and accelerated aging. <i>Journal of Prosthetic Dentistry</i> , 2020, 124, 815.e1-815.e7.	2.8	3
113	Evaluation of a glaze polishing technique for pigmented denture acrylic resin submitted to thermocycling and disinfection. <i>Journal of International Oral Health</i> , 2017, 9, 213.	0.3	3
114	Bond strength of lithium disilicate after cleaning methods of the remaining hydrofluoric acid. <i>Journal of Clinical and Experimental Dentistry</i> , 2020, 12, e103-e107.	1.2	3
115	Surface Characterization of a Glass Fiber Post after Nonthermal Plasma Treatment with Hexamethyldisiloxane. <i>Journal of Adhesive Dentistry</i> , 2017, , 525-533.	0.5	3
116	Semi-empirical modeling of the optical gap of amorphous hydrogenated nitrogenated carbon films. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2000, 18, 2466.	2.1	2
117	Feasibility of RF Sputtering and PIID for production of thin films from red mud. <i>Materials Research</i> , 2014, 17, 1316-1323.	1.3	2
118	Effect of Ion Irradiation on the Structural Properties and Hardness of a-C:H:Si:O:F Films. <i>Journal of Physics: Conference Series</i> , 2015, 591, 012044.	0.4	2
119	Films Deposited from Reactive Sputtering of Aluminum Acetylacetonate Under Low Energy Ion Bombardment. <i>Materials Research</i> , 2017, 20, 926-936.	1.3	2
120	Surface properties and corrosion resistance of SF ₆ plasma-treated polyester-based thermoplastic elastomer. <i>Surface and Interface Analysis</i> , 2018, 50, 13-26.	1.8	2
121	Can Nonthermal Plasma Improve the Adhesion between Acrylic Resin for Ocular Prostheses and Silicone-Based Relining Material?. <i>Journal of Prosthodontics</i> , 2019, 28, 692-700.	3.7	2
122	Plasma Treatment of Crosslinked Polyethylene Tubes for Improved Adhesion of Water-based Paints. <i>Materials Research</i> , 2019, 22, .	1.3	2
123	Thin Film Deposition by Atmospheric Pressure Dielectric Barrier Discharges Containing Eugenol: Discharge and Coating Characterizations. <i>Polymers</i> , 2020, 12, 2692.	4.5	2
124	Surface characterization of different surface treatments associations with plasma and bonding analysis of Y-TZP and the veneering ceramic. <i>Dental Materials</i> , 2021, 37, 1873-1883.	3.5	2
125	Study of wettability and optical transparency of pet polymer modified by plasma immersion techniques. <i>Revista Brasileira De Aplicação De Vácuo</i> , 2017, 36, 68.	0.1	2
126	Filmes Finos de Alumina em substratos de alumínio 5052 por processo de Oxidação Eletrolítica À Plasma. <i>The Academic Society Journal</i> , 2020, , 167-180.	0.1	2

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127	Co-doped p-type ZnO:Al-N Thin Films Grown by RF-Magnetron Sputtering at Room Temperature. <i>Materials Research</i> , 2020, 23, .	1.3	2
128	Comparison of RF and Pulsed Magnetron Sputtering for the Deposition of AZO Thin Films on PET. <i>Materials Research</i> , 2020, 23, .	1.3	2
129	Surface functionalization of polyvinyl chloride by plasma immersion techniques. <i>Polimeros</i> , 2020, 30, .	0.7	2
130	Structural and optical properties o plasma-deposited a-C:H:Si:O:N films. <i>Polimeros</i> , 2021, 31, .	0.7	2
131	Biofunctional coating of stainless steel surfaces with carvacrol- and eugenol-derived film using atmospheric dielectric barrier discharge plasma: aiming for suppression of biofilm formation and corrosion protection. <i>Journal of Materials Research and Technology</i> , 2022, 18, 2217-2231.	5.8	2
132	Study of superficial properties of titanium treated by PIID. <i>EPJ Applied Physics</i> , 2011, 56, 24022.	0.7	1
133	Mechanical and Tribological Properties of a-C:H:F Thin Films. <i>Journal of Superconductivity and Novel Magnetism</i> , 2013, 26, 2525-2528.	1.8	1
134	Enhancement of Corrosion Resistance AISI 304 Steel by Plasma Polymerized Thin Films. <i>Materials Research Society Symposia Proceedings</i> , 2013, 1499, 1.	0.1	1
135	Effect of nonthermal plasma treatment on the surface of dental resins immersed in artificial saliva. <i>Journal of Polymer Engineering</i> , 2016, 36, 785-793.	1.4	1
136	Effects of Aging on Chlorinated Plasma Polymers. <i>Materials Research</i> , 2017, 20, 862-865.	1.3	1
137	Highly thermally conductive dielectric coatings produced by plasma electrolytic oxidation of aluminum. <i>Materials Letters: X</i> , 2019, 3, 100016.	0.7	1
138	Characterization of Plasma-deposited a-C:H:Si:F:N Films. <i>Materials Research</i> , 2021, 24, .	1.3	1
139	Combined Analytical Py-GC/MS, SEM, FTIR and ¹³ C NMR for Investigating the Removal of Trace Metals from Aqueous Solutions by Biochar. <i>Journal of the Brazilian Chemical Society</i> , 0, , .	0.6	1
140	Nitrogenated amorphous carbon films deposited from plasmas of methanol-nitrogen mixtures. <i>AIP Conference Proceedings</i> , 1996, , .	0.4	0
141	The Improvement of Thin Polymer Film Properties Through Plasma Immersion Ion Implantation and Deposition Technique. <i>Materials Research Society Symposia Proceedings</i> , 2001, 672, 1.	0.1	0
142	Ion Beam Optimized Mechanical Characteristics of Glassy Polymeric Carbon for Medical Applications. <i>AIP Conference Proceedings</i> , 2003, , .	0.4	0
143	Amorphous hydrogenated carbon films treated by SF ₆ plasma. <i>Journal of Physics: Conference Series</i> , 2009, 167, 012054.	0.4	0
144	Structural and optical properties of brominated plasma polymers. <i>Surface and Coatings Technology</i> , 2013, 237, 182-186.	4.8	0

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145	Structural and optical properties of a-C:H:O:Cl and a-C:H:Si:O:Cl films obtained by Plasma Enhanced Chemical Vapor Deposition. <i>Materials Chemistry and Physics</i> , 2018, 214, 277-284.	4.0	0
146	Bacterial Adhesion on Lithium Disilicate Ceramic Surface Exposed to Different Hydrofluoric Solutions. <i>Ceramics</i> , 2018, 1, 145-152.	2.6	0
147	SiO _x CyHz-TiO ₂ Nanocomposite Films Prepared by a Novel PECVD-Sputtering Process. <i>Materials Research</i> , 2021, 24, .	1.3	0
148	DNA for nano-bio scale computation of chemical formalisms using Higher Order Logic (HOL) and analysis using an interdisciplinary approach. <i>Materials Research</i> , 2014, 17, 1391-1396.	1.3	0
149	Use of Industrial Waste to Produce Ceramic Coatings on Metal. <i>European Journal of Sustainable Development (discontinued)</i> , 2019, 8, 9.	0.9	0
150	Plasma Polymer Deposition of Neutral Agent Carvacrol on a Metallic Surface by Using Dielectric Barrier Discharge Plasma in Ambient Air. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2020, , 716-725.	0.3	0