

Debora Gonalves

List of Publications by Year in descending order

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77
papers

1,334
citations

331259

21
h-index

395343

33
g-index

80
all docs

80
docs citations

80
times ranked

1562
citing authors

#	ARTICLE	IF	CITATIONS
1	Detection of SARS-CoV-2 virus via dynamic light scattering using antibody-gold nanoparticle bioconjugates against viral spike protein. <i>Talanta</i> , 2022, 243, 123355.	2.9	16
2	Voltammetric sensing of tryptophan in dark chocolate bars, skimmed milk and urine samples in the presence of dopamine and caffeine. <i>Journal of Applied Electrochemistry</i> , 2022, 52, 1249-1257.	1.5	8
3	Color variations in CIELAB coordinates for softwoods and hardwoods under the influence of artificial and natural weathering. <i>Journal of Building Engineering</i> , 2021, 35, 101965.	1.6	11
4	Surface properties and crystallinity of <i>Pinus taeda</i> and <i>Hymenaea stilbocarpa</i> treated at low temperatures in different grain directions. <i>Journal of the Indian Academy of Wood Science</i> , 2020, 17, 46-53.	0.3	1
5	Determination of p53 biomarker using an electrochemical immunoassay based on layer-by-layer films with NiFe ₂ O ₄ nanoparticles. <i>Mikrochimica Acta</i> , 2020, 187, 619.	2.5	21
6	Screen-printed electrodes modified with carbon black and polyelectrolyte films for determination of cancer marker carbohydrate antigen 19-9. <i>Mikrochimica Acta</i> , 2020, 187, 417.	2.5	28
7	Fully-printed electrochemical sensors made with flexible screen-printed electrodes modified by roll-to-roll slot-die coating. <i>Biosensors and Bioelectronics</i> , 2020, 165, 112428.	5.3	44
8	Analytical Detection of Pesticides, Pollutants, and Pharmaceutical Waste in the Environment. <i>Environmental Chemistry for A Sustainable World</i> , 2020, , 87-129.	0.3	6
9	Deterioro y preservación de maderas mediante el uso de preservadores naturales de potencial interacción en Brasil. <i>Bosque</i> , 2020, 41, 213-220.	0.1	0
10	Liposome-Based Biosensors Using Phytase Immobilized on Polypyrrole Films for Phytic Acid Determination. <i>Bulletin of the Chemical Society of Japan</i> , 2019, 92, 847-851.	2.0	3
11	Screen-printed interdigitated electrodes modified with nanostructured carbon nano-onion films for detecting the cancer biomarker CA19-9. <i>Materials Science and Engineering C</i> , 2019, 99, 1502-1508.	3.8	62
12	Low-cost screen-printed electrodes based on electrochemically reduced graphene oxide-carbon black nanocomposites for dopamine, epinephrine and paracetamol detection. <i>Journal of Colloid and Interface Science</i> , 2018, 515, 101-108.	5.0	112
13	Wettability, surface free energy and cellulose crystallinity for pine wood (<i>Pinus sp.</i>) modified with chili pepper extracts as natural preservatives. <i>Cellulose</i> , 2018, 25, 6151-6160.	2.4	9
14	Interaction of capsaicinoids with cell membrane models does not correlate with pungency of peppers. <i>Chemical Physics Letters</i> , 2017, 673, 78-83.	1.2	6
15	Wettability and surface free energy on heat-treated <i>Pinus sp.</i> and <i>Erismia sp.</i> woods. <i>Scientia Forestalis/Forest Sciences</i> , 2017, 45, .	0.2	2
16	Cambios en la mojabilidad en superficies de maderas tratadas térmicamente: Angulo de contacto y energía libre superficial. <i>Maderas: Ciencia Y Tecnología</i> , 2016, , 0-0.	0.7	5
17	Preparation and characterization of cellulose paper/polypyrrole/bromophenol blue composites for disposable optical sensors. <i>Open Chemistry</i> , 2016, 14, 404-411.	1.0	16
18	Electrosynthesis and properties of poly(3-methylthiophene-pyrrole) composites. <i>Molecular Crystals and Liquid Crystals</i> , 2016, 625, 165-172.	0.4	2

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19	Electrosynthesis of poly(p-phenylene) and poly(p-phenylene/pyrrole) films under controlled humidity. Chemical Papers, 2015, 69, .	1.0	0
20	Electrosynthesis and optical characterization of poly(p-phenylene), polypyrrole and poly(p-phenylene)-polypyrrole films. Materials Research, 2014, 17, 332-337.	0.6	8
21	Immobilization of Tyrosinase from Avocado Crude Extract in Polypyrrole Films for Inhibitive Detection of Benzoic Acid. Chemosensors, 2014, 2, 182-192.	1.8	4
22	On the use of capsaicin as a natural preservative against fungal attack on Pinus sp. and Hymenaea sp. woods. Materials Research, 2014, 17, 271-274.	0.6	5
23	Electrochemically Prepared Polypyrrole- α -Carboxylic Acid Films: Synthesis Protocols and Studies on Biosensors. Electroanalysis, 2013, 25, 741-749.	1.5	8
24	Theoretical and experimental studies on the electronic, optical, and structural properties of poly-pyrrole-2-carboxylic acid films. Chemical Physics, 2013, 425, 91-95.	0.9	8
25	Spectroscopic ellipsometry as a complementary tool for studying luminescent polymers: Poly(p-phenylenevinylene) as a particular case. Materials Chemistry and Physics, 2013, 141, 973-978.	2.0	0
26	Amperometric urea biosensors based on the entrapment of urease in polypyrrole films. Reactive and Functional Polymers, 2012, 72, 148-152.	2.0	37
27	Polypyrrole/phytase amperometric biosensors for the determination of phytic acid in standard solutions. Sensors and Actuators B: Chemical, 2011, 160, 222-226.	4.0	21
28	Wettability, Shrinkage and Color Changes of Araucaria angustifolia After Heating Treatment. Materials Research, 2010, 13, 351-354.	0.6	18
29	Preparation and characterization of Cd ₂ Nb ₂ O ₇ thin films on Si substrates. Journal of Physics and Chemistry of Solids, 2009, 70, 234-237.	1.9	5
30	Modeling Adsorption Processes of Poly(p-phenylenevinylene Precursor and Sodium Acid Dodecylbenzenesulfonate onto Layer-by-Layer Films Using a Langmuir-type Metastable Equilibrium Model. Langmuir, 2009, 25, 2166-2171.	1.6	7
31	Controlling the absorption and emission properties of polyparaphenylenevinylene films. Journal of Non-Crystalline Solids, 2008, 354, 4856-4859.	1.5	8
32	Surface Characterization of Absorbing Polymer Films Deposited on Transparent Glasses. E-Polymers, 2008, 8, .	1.3	0
33	Precipitation and surface polymerizations of aniline at different aniline:oxidizer molar ratios. E-Polymers, 2007, 7, .	1.3	1
34	Control of catalytic activity of glucose oxidase in layer-by-layer films of chitosan and glucose oxidase. Materials Science and Engineering C, 2007, 27, 1108-1110.	3.8	25
35	Optical, electrochemical and electrogravimetric behavior of poly(1-methoxy-4-(2-ethyl-hexyloxy)-p-phenylene vinylene) (MEH-PPV) films. Electrochimica Acta, 2007, 52, 4299-4304.	2.6	26
36	Analysis of the absorption and emission spectra of poly(p-phenylene vinylene) films thermally converted at a relatively low temperature. Journal of Non-Crystalline Solids, 2006, 352, 3484-3487.	1.5	2

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37	The effect of the layer structure on the activity of immobilized enzymes in ultrathin films. <i>Journal of Colloid and Interface Science</i> , 2006, 303, 326-331.	5.0	44
38	Synthesis and characterization of poly-o-toluidine: kinetic and structural aspects. <i>Materials Research</i> , 2005, 8, 5-10.	0.6	19
39	Spectroscopic, electrochemical, and microgravimetric studies on palladium phthalocyanine films. <i>Journal of Porphyrins and Phthalocyanines</i> , 2005, 09, 16-21.	0.4	12
40	Electrocatalytic properties and electrochemical stability of polyaniline and polyaniline modified with platinum nanoparticles in formaldehyde medium. <i>Thin Solid Films</i> , 2004, 461, 243-249.	0.8	53
41	The Protective Nature of Dodecanethiol Self-Assembled Monolayers Deposited on Au for the Electropolymerization of 3-Methylthiophene. <i>Electroanalysis</i> , 2003, 15, 652-658.	1.5	6
42	Electrochemical synthesis of polypyrrole-azo dyes composite films. <i>Synthetic Metals</i> , 2003, 135-136, 161-162.	2.1	8
43	Photo-oxidation Phenomenon of MH-PPV Films Studied by Ellipsometry and Infrared Spectroscopy. <i>Molecular Crystals and Liquid Crystals</i> , 2002, 374, 457-462.	0.4	4
44	Electrosynthesis and Optical Properties of Poly(p -phenylene) and Poly(p -phenylene-pyrrole) Films. <i>Molecular Crystals and Liquid Crystals</i> , 2002, 374, 493-496.	0.4	5
45	Fundamentals and applications of spectroscopic ellipsometry. <i>Quimica Nova</i> , 2002, 25, 794-800.	0.3	45
46	Emission of Circularly Polarised Light in Highly Oriented Poly(p -Phenylene Vinylene) Langmuir-Blodgett Films. <i>Molecular Crystals and Liquid Crystals</i> , 2002, 374, 433-438.	0.4	1
47	Reversible Electrochromical Response of Thin MEH-PPV Films. <i>Molecular Crystals and Liquid Crystals</i> , 2002, 374, 469-474.	0.4	10
48	Circular dichroism and circularly polarized luminescence of highly oriented Langmuir-Blodgett films of poly(p-phenylene vinylene). <i>Synthetic Metals</i> , 2001, 119, 207-208.	2.1	9
49	Low conversion temperatures of poly(p-phenylene vinylene) films using a long chain sulfonic counter-ion. <i>Synthetic Metals</i> , 2001, 119, 629-630.	2.1	7
50	Morphology of 2,5-substituted poly(p-phenylene vinylene) with oligo(ethylene oxide) side chains /PEO-salt blends. <i>Synthetic Metals</i> , 2001, 119, 361-362.	2.1	8
51	An electrical study of a thin film poly(o-methoxyaniline) field effect transistor. <i>Synthetic Metals</i> , 2001, 121, 1687-1688.	2.1	8
52	Electrical and optical properties of light emitting electrochemical cells using MEH-PPV/PEO:lithium-salt blends. <i>Synthetic Metals</i> , 2001, 121, 1697-1698.	2.1	19
53	Self-assembly of poly(p-phenylene vinylene) using long chain counter-ion: a new process for fabrication of multilayer thin films heterostructures. <i>Synthetic Metals</i> , 2001, 121, 1447-1448.	2.1	15
54	Electrochromic and redox properties of Langmuir-Blodgett films of ytterbium bisphthalocyanine. <i>Synthetic Metals</i> , 2001, 124, 351-356.	2.1	20

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55	A Study of Gold-Coated Glass as Electrodes for Electropolymerization of 3-Methylthiophene. <i>Langmuir</i> , 2001, 17, 5031-5038.	1.6	9
56	Generation of Circularly Polarized Light of Highly Oriented Poly(P-Phenylene Vinylene). <i>Materials Research Society Symposia Proceedings</i> , 2000, 660, 1.	0.1	0
57	Generation of Circularly Polarized Light of Highly Oriented Poly(P-Phenylene Vinylene). <i>Materials Research Society Symposia Proceedings</i> , 2000, 660, .	0.1	0
58	Thermal behavior and electrical conductivity of poly(vinyl pyridine)/copper complexes. <i>Advances in Polymer Technology</i> , 2000, 19, 113-119.	0.8	16
59	Rapid Conversion of Poly(p-phenylenevinylene) Films at Low Temperatures. <i>Advanced Materials</i> , 2000, 12, 69-74.	11.1	54
60	Electrochemical oxidation of o-aminophenol in aqueous acidic medium: formation of film and soluble products. <i>Journal of Electroanalytical Chemistry</i> , 2000, 487, 90-99.	1.9	88
61	Highly Oriented Langmuir-Blodgett Films of Poly(p-phenylenevinylene) Using a Long Chain Sulfonic Counterion. <i>Macromolecules</i> , 2000, 33, 5886-5890.	2.2	36
62	A comparative study of m-cresol treated polyaniline and Langmuir Blodgett films. <i>Synthetic Metals</i> , 1999, 101, 691.	2.1	11
63	Optical Activity and Order in Luminescent Langmuir-Blodgett Poly(l-Phenylene Vinylene) Films. <i>Materials Research Society Symposia Proceedings</i> , 1999, 560, 309.	0.1	0
64	Implications of using m-cresol in the Langmuir-Blodgett processing of polyaniline. <i>Thin Solid Films</i> , 1998, 327-329, 60-64.	0.8	12
65	Poly (o-methoxy aniline): solubility, deprotonation-protonation process in solution and cast films. <i>Synthetic Metals</i> , 1997, 90, 5-11.	2.1	47
66	Experimental and simulated transmittance versus potential curves for poly(o-methoxyaniline) films. <i>Synthetic Metals</i> , 1996, 83, 147-151.	2.1	7
67	Electrochemical response of poly(o-ethoxyaniline) films produced by different techniques. <i>Electrochimica Acta</i> , 1995, 40, 1851-1855.	2.6	24
68	Conducting blends of soluble polyurethane and poly(o-methoxyaniline). <i>Synthetic Metals</i> , 1995, 74, 197-199.	2.1	69
69	Studies on the electrochemical response of poly(o-methoxyaniline) films. <i>Electrochimica Acta</i> , 1994, 39, 2271-2275.	2.6	30
70	Electrochromism of poly(o-methoxyaniline) films electrochemically obtained in aqueous medium. <i>Journal of Electroanalytical Chemistry</i> , 1994, 371, 267-271.	1.9	24
71	Electroactivity in poly(o-alkoxyaniline) Langmuir-Blodgett films. <i>Thin Solid Films</i> , 1994, 243, 544-546.	0.8	13
72	Langmuir-blodgett films of poly (o-anisidine). <i>Synthetic Metals</i> , 1993, 57, 3819-3823.	2.1	11

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73	Chloroform-soluble poly(o-methoxyaniline) for ultra-thin film fabrication. Thin Solid Films, 1992, 221, 5-8.	0.8	24
74	Solid state electrochromic display based on polymer electrode-polymer electrolyte interface. Electrochimica Acta, 1992, 37, 1653-1656.	2.6	26
75	Langmuir-Blodgett films from conjugated polymers. , 0, , .		0
76	Immobilization of polyphenol oxidase on polypyrrole films for application in biosensors. , 0, , .		1
77	Atividades de Educação Ambiental: como Minimizar e Lidar com o Resíduo. Revista De Cultura E Extensão USP, 0, 12, 83.	0.0	0