

Debora Gonalves

List of Publications by Year in descending order

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77
papers

1,334
citations

331259

21
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395343

33
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80
all docs

80
docs citations

80
times ranked

1562
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | 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 |
| 2 | 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 |
| 3 | Conducting blends of soluble polyurethane and poly(o-methoxyaniline). <i>Synthetic Metals</i> , 1995, 74, 197-199. | 2.1 | 69 |
| 4 | 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 |
| 5 | Rapid Conversion of Poly(p-phenylenevinylene) Films at Low Temperatures. <i>Advanced Materials</i> , 2000, 12, 69-74. | 11.1 | 54 |
| 6 | 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 |
| 7 | Poly (o-methoxy aniline): solubility, deprotonation-protonation process in solution and cast films. <i>Synthetic Metals</i> , 1997, 90, 5-11. | 2.1 | 47 |
| 8 | Fundamentals and applications of spectroscopic ellipsometry. <i>Quimica Nova</i> , 2002, 25, 794-800. | 0.3 | 45 |
| 9 | 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 |
| 10 | 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 |
| 11 | Amperometric urea biosensors based on the entrapment of urease in polypyrrole films. <i>Reactive and Functional Polymers</i> , 2012, 72, 148-152. | 2.0 | 37 |
| 12 | 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 |
| 13 | Studies on the electrochemical response of poly(o-methoxyaniline) films. <i>Electrochimica Acta</i> , 1994, 39, 2271-2275. | 2.6 | 30 |
| 14 | 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 |
| 15 | Solid state electrochromic display based on polymer electrode-polymer electrolyte interface. <i>Electrochimica Acta</i> , 1992, 37, 1653-1656. | 2.6 | 26 |
| 16 | Optical, electrochemical and electrogravimetric behavior of poly(1-methoxy-4-(2-ethyl-hexyloxy)-p-phenylene vinylene) (MEH-PPV) films. <i>Electrochimica Acta</i> , 2007, 52, 4299-4304. | 2.6 | 26 |
| 17 | Control of catalytic activity of glucose oxidase in layer-by-layer films of chitosan and glucose oxidase. <i>Materials Science and Engineering C</i> , 2007, 27, 1108-1110. | 3.8 | 25 |
| 18 | Chloroform-soluble poly(o-methoxyaniline) for ultra-thin film fabrication. <i>Thin Solid Films</i> , 1992, 221, 5-8. | 0.8 | 24 |

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|----|--|-----|-----------|
| 19 | Electrochromism of poly(o-methoxyaniline) films electrochemically obtained in aqueous medium. <i>Journal of Electroanalytical Chemistry</i> , 1994, 371, 267-271. | 1.9 | 24 |
| 20 | Electrochemical response of poly(o-ethoxyaniline) films produced by different techniques. <i>Electrochimica Acta</i> , 1995, 40, 1851-1855. | 2.6 | 24 |
| 21 | Polypyrrole/phytase amperometric biosensors for the determination of phytic acid in standard solutions. <i>Sensors and Actuators B: Chemical</i> , 2011, 160, 222-226. | 4.0 | 21 |
| 22 | 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 |
| 23 | Electrochromic and redox properties of Langmuir-Blodgett films of ytterbium bisphthalocyanine. <i>Synthetic Metals</i> , 2001, 124, 351-356. | 2.1 | 20 |
| 24 | 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 |
| 25 | Synthesis and characterization of poly-o-toluidine: kinetic and structural aspects. <i>Materials Research</i> , 2005, 8, 5-10. | 0.6 | 19 |
| 26 | Wettability, Shrinkage and Color Changes of <i>Araucaria angustifolia</i> After Heating Treatment. <i>Materials Research</i> , 2010, 13, 351-354. | 0.6 | 18 |
| 27 | Thermal behavior and electrical conductivity of poly(vinyl pyridine)/copper complexes. <i>Advances in Polymer Technology</i> , 2000, 19, 113-119. | 0.8 | 16 |
| 28 | 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 |
| 29 | 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 |
| 30 | 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 |
| 31 | Electroactivity in poly(o-alkoxyaniline) Langmuir-Blodgett films. <i>Thin Solid Films</i> , 1994, 243, 544-546. | 0.8 | 13 |
| 32 | 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 |
| 33 | Spectroscopic, electrochemical, and microgravimetric studies on palladium phthalocyanine films. <i>Journal of Porphyrins and Phthalocyanines</i> , 2005, 09, 16-21. | 0.4 | 12 |
| 34 | Langmuir-blodgett films of poly (o-anisidine). <i>Synthetic Metals</i> , 1993, 57, 3819-3823. | 2.1 | 11 |
| 35 | A comparative study of m-cresol treated polyaniline and Langmuir Blodgett films. <i>Synthetic Metals</i> , 1999, 101, 691. | 2.1 | 11 |
| 36 | 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 |

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|----|--|-----|-----------|
| 37 | Reversible Electrochromical Response of Thin MEH-PPV Films. <i>Molecular Crystals and Liquid Crystals</i> , 2002, 374, 469-474. | 0.4 | 10 |
| 38 | 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 |
| 39 | A Study of Gold-Coated Glass as Electrodes for Electropolymerization of 3-Methylthiophene. <i>Langmuir</i> , 2001, 17, 5031-5038. | 1.6 | 9 |
| 40 | 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 |
| 41 | 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 |
| 42 | An electrical study of a thin film poly(o-methoxyaniline) field effect transistor. <i>Synthetic Metals</i> , 2001, 121, 1687-1688. | 2.1 | 8 |
| 43 | Electrochemical synthesis of polypyrrole-azo dyes composite films. <i>Synthetic Metals</i> , 2003, 135-136, 161-162. | 2.1 | 8 |
| 44 | Controlling the absorption and emission properties of polyparaphenylenevinylene films. <i>Journal of Non-Crystalline Solids</i> , 2008, 354, 4856-4859. | 1.5 | 8 |
| 45 | Electrochemically Prepared Polypyrrole- α -Carboxylic Acid Films: Synthesis Protocols and Studies on Biosensors. <i>Electroanalysis</i> , 2013, 25, 741-749. | 1.5 | 8 |
| 46 | Theoretical and experimental studies on the electronic, optical, and structural properties of poly-pyrrole-2-carboxylic acid films. <i>Chemical Physics</i> , 2013, 425, 91-95. | 0.9 | 8 |
| 47 | Electrosynthesis and optical characterization of poly(p-phenylene), polypyrrole and poly(p-phenylene)-polypyrrole films. <i>Materials Research</i> , 2014, 17, 332-337. | 0.6 | 8 |
| 48 | 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 |
| 49 | Experimental and simulated transmittance versus potential curves for poly(o-methoxyaniline) films. <i>Synthetic Metals</i> , 1996, 83, 147-151. | 2.1 | 7 |
| 50 | 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 |
| 51 | Modeling Adsorption Processes of Poly(p-phenylenevinylene Precursor and Sodium Acid Dodecylbenzenesulfonate onto Layer-by-Layer Films Using a Langmuir-type Metastable Equilibrium Model. <i>Langmuir</i> , 2009, 25, 2166-2171. | 1.6 | 7 |
| 52 | 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 |
| 53 | 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 |
| 54 | 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 |

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|----|---|-----|-----------|
| 55 | Electrosynthesis and Optical Properties of Poly(p -phenylene) and Poly(p -phenylene-pyrrole) Films. Molecular Crystals and Liquid Crystals, 2002, 374, 493-496. | 0.4 | 5 |
| 56 | 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 |
| 57 | Cambios en la mojabilidad en superficies de maderas tratadas t rmicamente: Angulo de contacto y energ a libre superficial. Maderas: Ciencia Y Tecnologia, 2016, , 0-0. | 0.7 | 5 |
| 58 | 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 |
| 59 | Photo-oxidation Phenomenon of MH-PPV Films Studied by Ellipsometry and Infrared Spectroscopy. Molecular Crystals and Liquid Crystals, 2002, 374, 457-462. | 0.4 | 4 |
| 60 | Immobilization of Tyrosinase from Avocado Crude Extract in Polypyrrole Films for Inhibitive Detection of Benzoic Acid. Chemosensors, 2014, 2, 182-192. | 1.8 | 4 |
| 61 | Liposome-Based Biosensors Using Phytase Immobilized on Polypyrrole Films for Phytic Acid Determination. Bulletin of the Chemical Society of Japan, 2019, 92, 847-851. | 2.0 | 3 |
| 62 | 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 |
| 63 | Electrosynthesis and properties of poly(3-methylthiophene-pyrrole) composites. Molecular Crystals and Liquid Crystals, 2016, 625, 165-172. | 0.4 | 2 |
| 64 | Wettability and surface free energy on heat-treated Pinus sp. and Erisma sp. woods. Scientia Forestalis/Forest Sciences, 2017, 45, . | 0.2 | 2 |
| 65 | Emission of Circularly Polarised Light in Highly Oriented Poly(p -Phenylene Vinylene) Langmuir-Blodgett Films. Molecular Crystals and Liquid Crystals, 2002, 374, 433-438. | 0.4 | 1 |
| 66 | Immobilization of polyphenol oxidase on polypyrrole films for application in biosensors. , 0, , . | | 1 |
| 67 | Precipitation and surface polymerizations of aniline at different aniline:oxidizer molar ratios. E-Polymers, 2007, 7, . | 1.3 | 1 |
| 68 | Surface properties and crystallinity of Pinus taeda and Hymenaea stilbocarpa treated at low temperatures in different grain directions. Journal of the Indian Academy of Wood Science, 2020, 17, 46-53. | 0.3 | 1 |
| 69 | Langmuir-Blodgett films from conjugated polymers. , 0, , . | | 0 |
| 70 | Optical Activity and Order in Luminescent Langmuir-Blodgett Poly( -Phenylene Vinylene) Films. Materials Research Society Symposia Proceedings, 1999, 560, 309. | 0.1 | 0 |
| 71 | Generation of Circularly Polarized Light of Highly Oriented Poly(P-Phenylene Vinylene). Materials Research Society Symposia Proceedings, 2000, 660, 1. | 0.1 | 0 |
| 72 | Generation of Circularly Polarized Light of Highly Oriented Poly(P-Phenylene Vinylene). Materials Research Society Symposia Proceedings, 2000, 660, . | 0.1 | 0 |

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|----|--|-----|-----------|
| 73 | Surface Characterization of Absorbing Polymer Films Deposited on Transparent Glasses. E-Polymers, 2008, 8, . | 1.3 | 0 |
| 74 | 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 |
| 75 | Electrosynthesis of poly(p-phenylene) and poly(p-phenylene/pyrrole) films under controlled humidity. Chemical Papers, 2015, 69, . | 1.0 | 0 |
| 76 | Atividades de Educação Ambiental: como Minimizar e Lidar com o Resíduo. Revista De Cultura E Extensão USP, 0, 12, 83. | 0.0 | 0 |
| 77 | Deterioro y preservación de maderas mediante el uso de preservadores naturales de potencial interaccións en Brasil. Bosque, 2020, 41, 213-220. | 0.1 | 0 |