# Tiago A Silva

## List of Publications by Year in descending order



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|---|---|---|---|
| 60 papers | 1,866 citations | 201674 27 h-index | 276875 41 g-index |
| 61 all docs | 61 docs citations | 61 times ranked | 2458 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Sensitive and Selective Voltammetric Determination of Ciprofloxacin Using Screenâ€printed Electrodes Modified with Carbon Black and Magneticâ€molecularly Imprinted Polymer. Electroanalysis, 2023, 35, . | 2.9 | 5 |
| 2 | Novel eco-friendly water-based conductive ink for the preparation of disposable screen-printed electrodes for sensing and biosensing applications. Electrochimica Acta, 2022, 409, 139968. | 5.2 | 23 |
| 3 | Screen-Printed Electrochemical Sensors and Biosensors for Detection of Biomarkers. , 2022, , 113-140. | | 1 |
| 4 | Sensing Materials: Nanomaterials Definition. , 2021, , . | | 1 |
| 5 | A voltammetric sensor based on a carbon black and chitosan-stabilized gold nanoparticle nanocomposite for ketoconazole determination. Analytical Methods, 2021, 13, 4495-4502. | 2.7 | 7 |
| 6 | Synthesis, Attractiveness and Effectiveness of Chitosan-Tapioca Encapsulates in Atta Sexdens (Hymenoptera: Formicidae). Journal of Polymers and the Environment, 2021, 29, 2869-2880. | 5.0 | 0 |
| 7 | A novel carbon nanosphere-based sensor used for herbicide detection. Environmental Technology and Innovation, 2021, 22, 101529. | 6.1 | 7 |
| 8 | Flow injection analysis system with electrochemical detection for the simultaneous determination of nanomolar levels of acetaminophen and codeine. Arabian Journal of Chemistry, 2020, 13, 335-345. | 4.9 | 30 |
| 9 | Non-enzymatic electrochemical determination of creatinine using a novel screen-printed microcell. Talanta, 2020, 207, 120277. | 5.5 | 35 |
| 10 | Electrochemical sensor based on ionic liquid and carbon black for voltammetric determination of Allura red colorant at nanomolar levels in soft drink powders. Talanta, 2020, 209, 120588. | 5.5 | 38 |
| 11 | Sensitive Voltammetric Detection of Chloroquine Drug by Applying a Boron-Doped Diamond Electrode. Journal of Carbon Research, 2020, 6, 75. | 2.7 | 10 |
| 12 | Polyphenol oxidase-based electrochemical biosensors: A review. Analytica Chimica Acta, 2020, 1139, 198-221. | 5.4 | 40 |
| 13 | Determination of tadalafil in pharmaceutical samples by vertically oriented multi-walled carbon nanotube electrochemical sensing device. Journal of Electroanalytical Chemistry, 2020, 877, 114501. | 3.8 | 12 |
| 14 | New Disposable Electrochemical Paperâ€based Microfluidic Device with Multiplexed Electrodes for Biomarkers Determination in Urine Sample. Electroanalysis, 2020, 32, 1075-1083. | 2.9 | 35 |
| 15 | Carbon black-chitosan film-based electrochemical sensor for losartan. Journal of Solid State Electrochemistry, 2020, 24, 1827-1834. | 2.5 | 10 |
| 16 | Novel electrochemical sensor based on nanodiamonds and manioc starch for detection of diquat in environmental samples. Diamond and Related Materials, 2019, 98, 107512. | 3.9 | 28 |
| 17 | Electrochemical paper-based microfluidic device for high throughput multiplexed analysis. Talanta, 2019, 203, 280-286. | 5.5 | 72 |
| 18 | Simultaneous electrochemical sensing of ascorbic acid and uric acid under biofouling conditions using nanoporous gold electrodes. Journal of Electroanalytical Chemistry, 2019, 846, 113160. | 3.8 | 39 |

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|---|---|---|---|
| 19 | Voltammetric sensing of fenitrothion in natural water and orange juice samples using a single-walled carbon nanohorns and zein modified sensor. Journal of Electroanalytical Chemistry, 2019, 840, 21-26. | 3.8 | 28 |
| 20 | Gold-Nanoparticle-Decorated Titanium Nitride Electrodes Prepared by Glancing-Angle Deposition for Sensing Applications. ACS Applied Nano Materials, 2019, 2, 1562-1569. | 5.0 | 17 |
| 21 | Electroanalytical determination of eugenol in clove oil by voltammetry of immobilized microdroplets. Journal of Solid State Electrochemistry, 2018, 22, 2277-2285. | 2.5 | 11 |
| 22 | Simultaneous determination of isoproterenol, acetaminophen, folic acid, propranolol and caffeine using a sensor platform based on carbon black, graphene oxide, copper nanoparticles and PEDOT:PSS. Talanta, 2018, 183, 329-338. | 5.5 | 80 |
| 23 | Study of electrooxidation and enhanced voltammetric determination of Î²-blocker pindolol using a boron-doped diamond electrode. Diamond and Related Materials, 2018, 82, 109-114. | 3.9 | 20 |
| 24 | Effect of carbon black functionalization on the analytical performance of a tyrosinase biosensor based on glassy carbon electrode modified with dihexadecylphosphate film. Enzyme and Microbial Technology, 2018, 116, 41-47. | 3.2 | 48 |
| 25 | The application of graphene for in vitro and in vivo electrochemical biosensing. Biosensors and Bioelectronics, 2017, 89, 224-233. | 10.1 | 78 |
| 26 | Use of a boron-doped diamond electrode to assess the electrochemical response of the naphthol isomers and to attain their truly simultaneous electroanalytical determination. Electrochimica Acta, 2017, 243, 374-381. | 5.2 | 35 |
| 27 | A combination of voltammetry of immobilized microparticles and carbon black-based crosslinked chitosan films deposited on glassy carbon electrode for the quantification of hydroquinone in dermatologic cream samples. Journal of Solid State Electrochemistry, 2017, 21, 2859-2868. | 2.5 | 17 |
| 28 | A nanodiamond-based electrochemical sensor for the determination of pyrazinamide antibiotic. Sensors and Actuators B: Chemical, 2017, 250, 315-323. | 7.8 | 77 |
| 29 | Porous boron-doped diamond/CNT electrode as electrochemical sensor for flow-injection analysis applications. Diamond and Related Materials, 2017, 74, 182-190. | 3.9 | 16 |
| 30 | Square-wave adsorptive anodic stripping voltammetric determination of ramipril using an electrochemical sensor based on nanostructured carbon black. Analytical Methods, 2017, 9, 4680-4687. | 2.7 | 20 |
| 31 | Graphite Oxide and Gold Nanoparticles as Alternative Materials in the Design of a Highly Sensitive Electrochemical Sensor for the Simultaneous Determination of Biological Species. Electroanalysis, 2017, 29, 2491-2497. | 2.9 | 7 |
| 32 | Sensitive voltammetric determination of hydroxyzine and its main metabolite cetirizine and identification of oxidation products by nuclear magnetic resonance spectroscopy. Journal of Electroanalytical Chemistry, 2017, 807, 187-195. | 3.8 | 15 |
| 33 | Simultaneous Voltammetric Determination of Paracetamol, Codeine and Caffeine on Diamondâ€like Carbon Porous Electrodes. Electroanalysis, 2017, 29, 907-916. | 2.9 | 21 |
| 34 | Novel titanate nanotubes-cyanocobalamin materials: Synthesis and enhanced photocatalytic properties for pollutants removal. Solid State Sciences, 2017, 63, 30-41. | 3.2 | 21 |
| 35 | An Overview of Pesticide Monitoring at Environmental Samples Using Carbon Nanotubes-Based Electrochemical Sensors. Journal of Carbon Research, 2017, 3, 8. | 2.7 | 21 |
| 36 | Electrochemical Biosensors Based on Nanostructured Carbon Black: A Review. Journal of Nanomaterials, 2017, 2017, 1-14. | 2.7 | 90 |

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|---|---|---|---|
| 37 | Electroanalytical sensing of indigo carmine dye in water samples using a cathodically pretreated boron-doped diamond electrode. Journal of Electroanalytical Chemistry, 2016, 769, 28-34. | 3.8 | 33 |
| 38 | Diamond-coated â€˜black siliconâ€™ as a promising material for high-surface-area electrochemical electrodes and antibacterial surfaces. Journal of Materials Chemistry B, 2016, 4, 5737-5746. | 5.8 | 86 |
| 39 | Electrochemical sensor based on graphene oxide and ionic liquid for ofloxacin determination at nanomolar levels. Talanta, 2016, 161, 333-341. | 5.5 | 56 |
| 40 | Electrochemical sensing of levodopa or carbidopa using a glassy carbon electrode modified with carbon nanotubes within a poly(allylamine hydrochloride) film. Analytical Methods, 2016, 8, 1274-1280. | 2.7 | 16 |
| 41 | Promising electrochemical performance of high-surface-area boron-doped diamond/carbon nanotube electroanalytical sensors. Journal of Solid State Electrochemistry, 2016, 20, 2403-2409. | 2.5 | 25 |
| 42 | Square-wave voltammetric determination of clindamycin using a glassy carbon electrode modified with graphene oxide and gold nanoparticles within a crosslinked chitosan film. Sensors and Actuators B: Chemical, 2016, 231, 183-193. | 7.8 | 50 |
| 43 | A Compact Microcontrolled Microfluidic System for Photometric Determination of Phosphate in Natural Water Samples. Australian Journal of Chemistry, 2015, 68, 1108. | 0.9 | 3 |
| 44 | Square-wave voltammetric determination of rosuvastatin calcium in pharmaceutical and biological fluid samples using a cathodically pretreated boron-doped diamond electrode. Diamond and Related Materials, 2015, 58, 103-109. | 3.9 | 23 |
| 45 | A digital image analysis method for quantification of sulfite in beverages. Analytical Methods, 2015, 7, 7568-7573. | 2.7 | 33 |
| 46 | A digital image-based method employing a spot-test for quantification of ethanol in drinks. Analytical Methods, 2015, 7, 4138-4144. | 2.7 | 64 |
| 47 | 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. Sensors and Actuators B: Chemical, 2015, 218, 51-59. | 7.8 | 30 |
| 48 | Preparation and electroanalytical applications of vertically aligned carbon nanotubes. SPR Electrochemistry, 2015, , 50-96. | 0.7 | 3 |
| 49 | Electrochemical behaviour of vertically aligned carbon nanotubes and graphene oxide nanocomposite as electrode material. Electrochimica Acta, 2014, 119, 114-119. | 5.2 | 79 |
| 50 | Simultaneous voltammetric determination of dopamine and epinephrine in human body fluid samples using a glassy carbon electrode modified with nickel oxide nanoparticles and carbon nanotubes within a dihexadecylphosphate film. Analyst, The, 2014, 139, 2842. | 3.5 | 78 |
| 51 | Pb(II) determination in natural water using a carbon nanotubes paste electrode modified with crosslinked chitosan. Microchemical Journal, 2014, 116, 191-196. | 4.5 | 56 |
| 52 | Electrochemical Performance of Porous Diamond-like Carbon Electrodes for Sensing Hormones, Neurotransmitters, and Endocrine Disruptors. ACS Applied Materials & Interfaces, 2014, 6, 21086-21092. | 8.0 | 42 |
| 53 | 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. Analyst, The, 2014, 139, 2832. | 3.5 | 37 |
| 54 | A novel architecture based upon multi-walled carbon nanotubes and ionic liquid to improve the electroanalytical detection of ciprofibrate. Analyst, The, 2014, 139, 3961. | 3.5 | 14 |

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|---|---|---|---|
| 55 | Methylic and ethylic biodiesels from pequi oil (Caryocar brasiliense Camb.): Production and thermogravimetric studies. Fuel, 2014, 136, 10-18. | 6.4 | 34 |
| 56 | Voltammetric Studies of Propranolol and Hydrochlorothiazide Oxidation in Standard and Synthetic Biological Fluids Using a Nitrogen-Containing Tetrahedral Amorphous Carbon (ta-C:N) Electrode. Electrochimica Acta, 2014, 143, 398-406. | 5.2 | 36 |
| 57 | Homogeneous catalysis of soybean oil transesterification via methylic and ethylic routes: Multivariate comparison. Energy, 2014, 67, 569-574. | 8.8 | 8 |
| 58 | Effect of the surface organization with carbon nanotubes on the electrochemical detection of bisphenol A. Sensors and Actuators B: Chemical, 2013, 177, 14-18. | 7.8 | 33 |
| 59 | Biotechnological Applications of Lipases in Biodiesel Production. , 2013, , . | | 2 |
| 60 | Nanoporous Pt(Au) Alloys for the Enhanced, Nonâ€enzymatic Detection of Hydrogen Peroxide under Biofouling Conditions. Electroanalysis, 0, , . | 2.9 | 4 |