

Emmanuel Topoglidis

List of Publications by Year in descending order

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29
papers

1,411
citations

471061

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500791

28
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docs citations

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times ranked

1631
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Immobilisation and bioelectrochemistry of proteins on nanoporous TiO ₂ and ZnO films. <i>Journal of Electroanalytical Chemistry</i> , 2001, 517, 20-27. | 1.9 | 269 |
| 2 | Protein Adsorption on Nanocrystalline TiO ₂ Films: An Immobilization Strategy for Bioanalytical Devices. <i>Analytical Chemistry</i> , 1998, 70, 5111-5113. | 3.2 | 195 |
| 3 | Factors that Affect Protein Adsorption on Nanostructured Titania Films. A Novel Spectroelectrochemical Application to Sensing. <i>Langmuir</i> , 2001, 17, 7899-7906. | 1.6 | 179 |
| 4 | Direct Electrochemistry and Nitric Oxide Interaction of Heme Proteins Adsorbed on Nanocrystalline Tin Oxide Electrodes. <i>Langmuir</i> , 2003, 19, 6894-6900. | 1.6 | 179 |
| 5 | Protein adsorption on nanoporous TiO ₂ films: a novel approach to studying photoinduced protein/electrode transfer reactions. <i>Faraday Discussions</i> , 2000, 116, 35-46. | 1.6 | 87 |
| 6 | Proton-Coupled Electron Transfer of Flavodoxin Immobilized on Nanostructured Tin Dioxide Electrodes: Thermodynamics versus Kinetics Control of Protein Redox Function. <i>Journal of the American Chemical Society</i> , 2004, 126, 8001-8009. | 6.6 | 72 |
| 7 | Functionalizing Nanocrystalline Metal Oxide Electrodes With Robust Synthetic Redox Proteins. <i>ChemBioChem</i> , 2003, 4, 1332-1339. | 1.3 | 51 |
| 8 | Photoelectrochemical study of Zn cytochrome-c immobilised on a nanoporous metal oxide electrode. <i>Chemical Communications</i> , 2002, , 1518-1519. | 2.2 | 44 |
| 9 | Nitric Oxide Biosensors Based on the Immobilization of Hemoglobin on Mesoporous Titania Electrodes. <i>Electroanalysis</i> , 2006, 18, 882-887. | 1.5 | 44 |
| 10 | Cyclic voltammetry and voltabsorptometry studies of redox proteins immobilised on nanocrystalline tin dioxide electrodes. <i>Bioelectrochemistry</i> , 2004, 63, 55-59. | 2.4 | 39 |
| 11 | Immobilization and Electrochemistry of Negatively Charged Proteins on Modified Nanocrystalline Metal Oxide Electrodes. <i>Electroanalysis</i> , 2005, 17, 1035-1041. | 1.5 | 38 |
| 12 | Optical sensing of cyanide using hybrid biomolecular films. <i>Inorganic Chemistry Communication</i> , 2006, 9, 1239-1242. | 1.8 | 25 |
| 13 | Direct spectroelectrochemistry of peroxidases immobilised on mesoporous metal oxide electrodes: Towards reagentless hydrogen peroxide sensing. <i>Analytica Chimica Acta</i> , 2009, 648, 2-6. | 2.6 | 23 |
| 14 | Interfacial electron transfer on cytochrome-c sensitised conformally coated mesoporous TiO ₂ films. <i>Bioelectrochemistry</i> , 2008, 74, 142-148. | 2.4 | 21 |
| 15 | Use of microperoxidase-11 to functionalize tin dioxide electrodes for the optical and electrochemical sensing of hydrogen peroxide. <i>Analytica Chimica Acta</i> , 2011, 686, 126-132. | 2.6 | 20 |
| 16 | Application of chemometrics for detection and modeling of adulteration of fresh cow milk with reconstituted skim milk powder using voltammetric fingerprinting on a graphite/ SiO ₂ hybrid electrode. <i>Talanta</i> , 2020, 206, 120223. | 2.9 | 19 |
| 17 | Nanostructured ZnO in a Metglas/ZnO/Hemoglobin Modified Electrode to Detect the Oxidation of the Hemoglobin Simultaneously by Cyclic Voltammetry and Magnetoelastic Resonance. <i>Materials</i> , 2017, 10, 849. | 1.3 | 17 |
| 18 | Hemin-Modified SnO ₂ /Metglas Electrodes for the Simultaneous Electrochemical and Magnetoelastic Sensing of H ₂ O ₂ . <i>Coatings</i> , 2018, 8, 284. | 1.2 | 16 |

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|----|---|-----|-----------|
| 19 | Graphite/SiO ₂ film electrode modified with hybrid organic-inorganic perovskites: Synthesis, optical, electrochemical properties and application in electrochemical sensing of losartan. <i>Journal of Solid State Chemistry</i> , 2019, 273, 17-24. | 1.4 | 14 |
| 20 | A chemical sensor for CBr ₄ based on quasi-2D and 3D hybrid organic-inorganic perovskites immobilized on TiO ₂ films. <i>Materials Chemistry Frontiers</i> , 2018, 2, 730-740. | 3.2 | 12 |
| 21 | Hemin Modified SnO ₂ Films on ITO/PET with Enhanced Activity for Electrochemical Sensing. <i>Electroanalysis</i> , 2018, 30, 1956-1964. | 1.5 | 11 |
| 22 | Microperoxidase-11 modified mesoporous SnO ₂ film electrodes for the detection of antimalarial drug artemisinin. <i>Analytical Methods</i> , 2019, 11, 3117-3125. | 1.3 | 9 |
| 23 | The Use of Electrochemical Voltammetric Techniques and High-Pressure Liquid Chromatography to Evaluate Conjugation Efficiency of Multiple Sclerosis Peptide-Carrier Conjugates. <i>Brain Sciences</i> , 2020, 10, 577. | 1.1 | 6 |
| 24 | Fully Reversible Electrically Induced Photochromic-Like Behaviour of Ag:TiO ₂ Thin Films. <i>Coatings</i> , 2020, 10, 130. | 1.2 | 6 |
| 25 | Myelin Peptide-Mannan Conjugate Multiple Sclerosis Vaccines: Conjugation Efficacy and Stability of Vaccine Ingredient. <i>Vaccines</i> , 2021, 9, 1456. | 2.1 | 6 |
| 26 | Electrochemical and spectroelectrochemical characterization of different mesoporous TiO ₂ film electrodes for the immobilization of Cytochrome c. <i>Frontiers of Materials Science</i> , 2018, 12, 64-73. | 1.1 | 5 |
| 27 | Adsorption and electrochemical behavior of Cyt-c on carbon nanotubes/TiO ₂ nanocomposite films fabricated at various annealing temperatures. <i>Colloid and Polymer Science</i> , 2018, 296, 1353-1364. | 1.0 | 2 |
| 28 | Mesoporous Metal Oxide Films. <i>Coatings</i> , 2020, 10, 668. | 1.2 | 2 |
| 29 | PROTEIN ADSORPTION ON NANOCRYSTALLINE TiO ₂ FILMS: A NOVEL IMMOBILISATION STRATEGY FOR BIOELECTROCHEMISTRY AND BIOANALYTICAL DEVICES. <i>Biochemical Society Transactions</i> , 2000, 28, A44-A44. | 1.6 | 0 |