

Manuel Blázquez

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5918228/publications.pdf>

Version: 2024-02-01

88
papers

1,417
citations

318942

23
h-index

466096

32
g-index

88
all docs

88
docs citations

88
times ranked

1403
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Electrochemical evaluation of the grafting density of self-assembled monolayers of polyethylene glycol of different chain lengths formed by the grafting to approach under conditions close to the cloud point. <i>Journal of Electroanalytical Chemistry</i> , 2022, , 116294. | 1.9 | 3 |
| 2 | Self-assembled monolayers of O-(2-Mercaptoethyl)-O ² -methyl-hexa(ethylene glycol) (EG7-SAM) on gold electrodes. Effects of the nature of solution/electrolyte on formation and electron transfer blocking characteristics. <i>Journal of Electroanalytical Chemistry</i> , 2022, 914, 116303. | 1.9 | 3 |
| 3 | Characterization of self-assembled Bis[2-(2-bromoisobutyryloxy) undecyl] disulphide (DTBU) on gold surfaces suitable for use in surface-initiated atom transfer radical polymerization (SI-ATRP). <i>Journal of Electroanalytical Chemistry</i> , 2022, 918, 116515. | 1.9 | 1 |
| 4 | Distinct thermoresponsive behaviour of oligo- and poly-ethylene glycol protected gold nanoparticles in concentrated salt solutions. <i>Nanoscale Advances</i> , 2021, 3, 4767-4779. | 2.2 | 5 |
| 5 | Characterization of a self-assembled monolayer of O-(2-Mercaptoethyl)-O ² -methyl-hexa(ethylene) Tj ETQq1 1 0.784314 rgBT /Over oc | 1.9 | 10 |
| 6 | Effective replacement of cetyltrimethylammonium bromide (CTAB) by mercaptoalkanoic acids on gold nanorod (AuNR) surfaces in aqueous solutions. <i>Nanoscale</i> , 2020, 12, 658-668. | 2.8 | 39 |
| 7 | A study on the electrooxidation of vitamin B6 compounds on glassy carbon and polycrystalline gold electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2020, 877, 114525. | 1.9 | 3 |
| 8 | Influence of Patterning in the Acid-Base Interfacial Properties of Homogeneously Mixed CH ₃ - and COOH-Terminated Self-Assembled Monolayers. <i>Journal of Physical Chemistry C</i> , 2018, 122, 2854-2865. | 1.5 | 14 |
| 9 | Hemoglobin becomes electroactive upon interaction with surface-protected Au nanoparticles. <i>Talanta</i> , 2018, 176, 667-673. | 2.9 | 13 |
| 10 | Electrocatalytic performance enhanced of the electrooxidation of gamma-hydroxybutyric acid (GHB) and ethanol on platinum nanoparticles surface. A contribution to the analytical determination of GHB in the presence of ethanol. <i>Sensors and Actuators B: Chemical</i> , 2018, 256, 553-563. | 4.0 | 8 |
| 11 | Study of the self-assembly process of an oligo(ethylene glycol)-thioacetyl substituted theophylline (THEO) on gold substrates. <i>Journal of Electroanalytical Chemistry</i> , 2018, 823, 663-671. | 1.9 | 5 |
| 12 | Hemoglobin bioconjugates with surface-protected gold nanoparticles in aqueous media: The stability depends on solution pH and protein properties. <i>Journal of Colloid and Interface Science</i> , 2017, 505, 1165-1171. | 5.0 | 29 |
| 13 | Temperature Effect on the Electrooxidation of Gamma Hydroxybutyric Acid (GHB) on Platinum Catalyst through Cyclic Voltammetry, Chronoamperometry, Impedance Spectroscopy and SERS Spectroelectrochemistry. <i>International Journal of Electrochemical Science</i> , 2016, , 10473-10487. | 0.5 | 2 |
| 14 | Comparative study of β -hydroxybutyric acid (GHB) and other derivative compounds by spectroelectrochemistry raman (SERS) on platinum surface. <i>Electrochimica Acta</i> , 2016, 193, 154-159. | 2.6 | 7 |
| 15 | Formation of 2-D Crystalline Intermixed Domains at the Molecular Level in Binary Self-Assembled Monolayers from a Lyotropic Mixture. <i>Journal of Physical Chemistry C</i> , 2016, 120, 8595-8606. | 1.5 | 7 |
| 16 | Study of the electro-oxidation of a recreational drug GHB (gamma hydroxybutyric acid) on a platinum catalyst-type electrode through chronoamperometry and spectro-electrochemistry. <i>Journal of Electroanalytical Chemistry</i> , 2016, 766, 141-146. | 1.9 | 9 |
| 17 | Influence of the Global Charge of the Protein on the Stability of Lysozyme-AuNP Bioconjugates. <i>Journal of Physical Chemistry C</i> , 2014, 118, 22274-22283. | 1.5 | 15 |
| 18 | Electrochemical and AFM Study of the 2D-Assembly of Colloidal Gold Nanoparticles on Dithiol SAMs Tuned by Ionic Strength. <i>Journal of Physical Chemistry C</i> , 2014, 118, 14617-14628. | 1.5 | 11 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Formation of Mixed Monolayers from 11-Mercaptoundecanoic Acid and Octanethiol on Au(111) Single Crystal Electrode under Electrochemical Control. <i>Journal of Physical Chemistry C</i> , 2013, 117, 24307-24316. | 1.5 | 14 |
| 20 | Electrochemical behaviour of gamma hydroxybutyric acid at a platinum electrode in acidic medium. <i>Electrochimica Acta</i> , 2013, 111, 601-607. | 2.6 | 10 |
| 21 | Role of the Functionalization of the Gold Nanoparticle Surface on the Formation of Bioconjugates with Human Serum Albumin. <i>Journal of Physical Chemistry C</i> , 2012, 116, 10430-10437. | 1.5 | 74 |
| 22 | A comparative study of the electrochemical properties of vitamin B-6 related compounds at physiological pH. <i>Russian Journal of Electrochemistry</i> , 2011, 47, 835-845. | 0.3 | 8 |
| 23 | Electrochemical Behaviour of Carbamazepine in Acetonitrile and Dimethylformamide Using Glassy Carbon Electrodes and Microelectrodes. <i>Electroanalysis</i> , 2010, 22, 2961-2966. | 1.5 | 24 |
| 24 | Formation of 1,8-Octanedithiol Mono- and Bilayers under Electrochemical Control. <i>Journal of Physical Chemistry C</i> , 2010, 114, 3568-3574. | 1.5 | 25 |
| 25 | 3D Gold Nanocrystal Arrays: A Framework for Reversible Lithium Storage. <i>Journal of Physical Chemistry C</i> , 2010, 114, 2360-2364. | 1.5 | 5 |
| 26 | A Molecular Dynamics Study of the Surfactant Surface Density of Alkanethiol Self-Assembled Monolayers on Gold Nanoparticles as a Function of the Radius. <i>Journal of Physical Chemistry C</i> , 2010, 114, 21309-21314. | 1.5 | 50 |
| 27 | Facile Exchange of Ligands on the 6-Mercaptopurine-Monolayer Protected Gold Clusters Surface. <i>Journal of Physical Chemistry C</i> , 2010, 114, 15955-15962. | 1.5 | 25 |
| 28 | Formation of a 1,8-Octanedithiol Self-Assembled Monolayer on Au(111) Prepared in a Lyotropic Liquid-Crystalline Medium. <i>Langmuir</i> , 2010, 26, 11790-11796. | 1.6 | 22 |
| 29 | Synthesis, Characterization, and Double Layer Capacitance Charging of Nanoclusters Protected by 6-Mercaptopurine. <i>Journal of Physical Chemistry C</i> , 2009, 113, 5186-5192. | 1.5 | 20 |
| 30 | Electrochemistry of Molecule-like Au ₂₅ Nanoclusters Protected by Hexanethiolate. <i>Journal of Physical Chemistry C</i> , 2009, 113, 8756-8761. | 1.5 | 44 |
| 31 | Electrochemical characterization of a 1,8-octanedithiol self-assembled monolayer (ODT-SAM) on a Au(111) single crystal electrode. <i>Electrochimica Acta</i> , 2008, 53, 8026-8033. | 2.6 | 46 |
| 32 | Influence of the Solution pH in the 6-Mercaptopurine Self-Assembled Monolayer (6MP-SAM) on a Au(111) Single-Crystal Electrode. <i>Langmuir</i> , 2007, 23, 11027-11033. | 1.6 | 22 |
| 33 | Stabilization of Gold Nanoparticles by 6-Mercaptopurine Monolayers. Effects of the Solvent Properties. <i>Journal of Physical Chemistry B</i> , 2006, 110, 17840-17847. | 1.2 | 56 |
| 34 | The kinetics of the dissolution of 6-mercaptopurine self-assembled monolayers on Au(111) and Hg electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2005, 576, 197-203. | 1.9 | 12 |
| 35 | Formation and Dissolution Processes of the 6-Thioguanine (6TC) Self-Assembled Monolayer. A Kinetic Study. <i>Journal of Physical Chemistry B</i> , 2005, 109, 1491-1498. | 1.2 | 7 |
| 36 | An electrochemical study of 6-thioguanine monolayers on a mercury electrode in acid and neutral solutions. <i>Journal of Electroanalytical Chemistry</i> , 2004, 565, 301-310. | 1.9 | 21 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | An Electrochemical Study of the SAMs of 6-Mercaptopurine (6MP) at Hg and Au(111) Electrodes in Alkaline Media. <i>Langmuir</i> , 2002, 18, 3903-3909. | 1.6 | 26 |
| 38 | A voltammetric study of 6-mercaptopurine monolayers on polycrystalline gold electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2001, 506, 92-98. | 1.9 | 45 |
| 39 | A study on maxima and inverted peaks in cyclic voltammetry. Electrochemical reduction of pyridine-4-aldoxime at an HMDE. <i>Journal of Electroanalytical Chemistry</i> , 2001, 517, 15-19. | 1.9 | 6 |
| 40 | A voltammetric study of pyridine-4-aldoxime (PA) at a glassy carbon electrode Error! Reference source not found.in dimethylformamide. <i>Journal of Electroanalytical Chemistry</i> , 2000, 485, 1-6. | 1.9 | 3 |
| 41 | Electrooxidation of pyridoxal (PL) on a polycrystalline gold electrode in alkaline solutions. <i>Journal of Electroanalytical Chemistry</i> , 2000, 492, 38-45. | 1.9 | 12 |
| 42 | Characterization of 6-mercaptopurine monolayers on Hg surfaces. <i>Journal of Electroanalytical Chemistry</i> , 1998, 442, 107-112. | 1.9 | 27 |
| 43 | The direct electrochemistry of cytochrome c at a hanging mercury drop electrode modified with 6-mercaptopurine. <i>Journal of Electroanalytical Chemistry</i> , 1998, 451, 89-93. | 1.9 | 30 |
| 44 | Modification of metal substrates and its application to the study of redox proteins. <i>Progress in Biotechnology</i> , 1998, , 697-702. | 0.2 | 0 |
| 45 | Electrochemical evidence on the molten globule conformation of cytochrome c. <i>BBA - Proteins and Proteomics</i> , 1997, 1343, 227-234. | 2.1 | 23 |
| 46 | Voltammetry of polyprotic acids at platinum microelectrodes: reduction of pyridoxal-5-phosphate. <i>Journal of Electroanalytical Chemistry</i> , 1997, 428, 91-95. | 1.9 | 9 |
| 47 | Electrochemical reduction of the final product of vitamin B-6 catabolism: a spectroscopic characterization of the reduced products of 4-pyridoxic acid. <i>Journal of Electroanalytical Chemistry</i> , 1996, 403, 101-107. | 1.9 | 9 |
| 48 | A contribution to the electrode reaction of oximes: a study of the intermediate imine on the electroreduction of pyridine-4-aldoxime. <i>Journal of Electroanalytical Chemistry</i> , 1996, 410, 15-20. | 1.9 | 8 |
| 49 | Fluorescence of the Schiff bases of pyridoxal and pyridoxal 5-phosphate with isoleucine in aqueous solutions. <i>Journal of Fluorescence</i> , 1996, 6, 1-6. | 1.3 | 13 |
| 50 | Electroreduction of the Schiff base of pyridoxal-5-phosphate and hexylamine in dimethylformamide and methanol. Effect of the self-protonation. <i>Journal of Electroanalytical Chemistry</i> , 1995, 381, 179-183. | 1.9 | 8 |
| 51 | Spectroscopic properties of the photoproducts of pyridoxal-5-P irradiation: Catalytic site recognition of ribonuclease A. <i>Journal of Fluorescence</i> , 1994, 4, 179-186. | 1.3 | 1 |
| 52 | Enolimine and geminaldiamine forms in the reaction of pyridoxal phosphate with ethylenediamine. An electrochemical and spectroscopic contribution. <i>Journal of Physical Organic Chemistry</i> , 1994, 7, 227-233. | 0.9 | 6 |
| 53 | On the electrochemical study of an enzymatic model reaction. <i>Electroanalysis</i> , 1994, 6, 1119-1125. | 1.5 | 0 |
| 54 | An electrochemical contribution to the study of catalytic transamination: Schiff base of pyridoxal phosphate with ethylamine and ethylenediamine. <i>Journal of Electroanalytical Chemistry</i> , 1994, 364, 199-207. | 1.9 | 1 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 55 | Luminescence spectroscopy of pyridoxic acid and pyridoxic acid bound to proteins. FEBS Journal, 1994, 219, 807-812. | 0.2 | 7 |
| 56 | Electrochemical and Spectrophotometric Study of the Reactions of L-Leucine with Pyridoxal and Pyridoxal Phosphate. Collection of Czechoslovak Chemical Communications, 1994, 59, 768-781. | 1.0 | 0 |
| 57 | Nitro radical anion formation from nimodipine. Journal of Electroanalytical Chemistry, 1993, 345, 121-133. | 1.9 | 38 |
| 58 | A study of the Schiff base formed between pyridoxal-5'-phosphate and poly-L-lysine of low polymerization degree. Journal of the Chemical Society Perkin Transactions II, 1992, , 921-926. | 0.9 | 6 |
| 59 | Schiff bases of pyridoxal 5'-phosphate and polypeptides containing L-lysine: A kinetic study. Journal of Molecular Catalysis, 1991, 68, 379-386. | 1.2 | 17 |
| 60 | Reaction between pyridoxal and hexylamine. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1991, 304, 53-60. | 0.3 | 7 |
| 61 | Cyclic voltammetric study of the nitro radical anion from nitrendipine generated electrochemically. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1991, 319, 177-184. | 0.3 | 28 |
| 62 | The schiff base between pyridoxal-5'-phosphate (PLP) and hexylamine. Formation of the unprotonated form of the imine by reaction of the unprotonated PLP and free amine. Journal of Physical Organic Chemistry, 1991, 4, 372-380. | 0.9 | 4 |
| 63 | Hydration of the pyridoxal-5'-phosphate. An electrochemical study. Journal De Chimie Physique Et De Physico-Chimie Biologique, 1991, 88, 371-376. | 0.2 | 2 |
| 64 | Polarographic and spectrophotometric behaviour of some N-p-phenyl substituted benzamidines. Collection of Czechoslovak Chemical Communications, 1991, 56, 2791-2799. | 1.0 | 1 |
| 65 | Electrochemical behaviour of the schiff base from pyridine-4-aldehyde and n-hexylamine. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1990, 280, 105-118. | 0.3 | 7 |
| 66 | Electrochemical behaviour of the Schiff base from pyridoxal-5'-phosphate and L-alanine. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1990, 294, 179-192. | 0.3 | 12 |
| 67 | Resolution of absorption spectra. Computers & Chemistry, 1989, 13, 197-200. | 1.2 | 35 |
| 68 | Electrochemical behaviour of pyridoxal-5'-phosphate. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1989, 266, 357-365. | 0.3 | 9 |
| 69 | Binding of pyridoxal-5'-phosphate and pyridoxamine-5'-phosphate: Electrochemical characterization. Journal of Physical Organic Chemistry, 1989, 2, 448-454. | 0.9 | 7 |
| 70 | The Schiff base between pyridoxal-5'-phosphate and hexylamine. Equilibria in solution. Journal of the Chemical Society Perkin Transactions II, 1989, , 1229-1236. | 0.9 | 18 |
| 71 | A polarographic study of the schiff bases of pyridoxal-5'-phosphate. Influence of the amine protonation equilibrium on the stability. Journal De Chimie Physique Et De Physico-Chimie Biologique, 1989, 86, 1143-1153. | 0.2 | 12 |
| 72 | Electrochemical behaviour of pyrazine derivatives: reduction of 2-hydroxy-3-phenyl-6-methylpyrazine. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1988, 243, 133-142. | 0.3 | 13 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 73 | A curve-fitting program set for handling of differential pulse polarograms. <i>Computers & Chemistry</i> , 1988, 12, 257-266. | 1.2 | 25 |
| 74 | Global analysis of kinetic current in DC polarography. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1988, 243, 309-320. | 0.3 | 10 |
| 75 | Some aspects on the role of proton donors in the electrochemical reduction of dicarbonyl compounds. <i>Electrochimica Acta</i> , 1986, 31, 1473-1475. | 2.6 | 7 |
| 76 | Electrochemical behaviour of pyridoxal-5-phosphate Schiff base with n-hexylamine. <i>Bioelectrochemistry</i> , 1986, 16, 317-324. | 1.0 | 19 |
| 77 | Hydration-dehydration of the electroactive group on the electrochemical behaviour of pyridoxal-5-phosphate. <i>Bioelectrochemistry</i> , 1986, 16, 325-331. | 1.0 | 9 |
| 78 | Derivation and experimental verification of approximate explicit equations in differential pulse polarography Part II. Second-order processes. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1986, 201, 237-246. | 0.3 | 32 |
| 79 | Diagnostic criteria for characterization of mechanisms corresponding to the second reduction polarographic wave of carbonyl compounds in acidic medium. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1985, 189, 195-202. | 0.3 | 15 |
| 80 | Electrochemical reduction of tricarbonyl compounds. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1985, 185, 119-130. | 0.3 | 7 |
| 81 | Derivation and experimental verification of approximate explicit equations in differential pulse polarography. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1985, 195, 263-270. | 0.3 | 66 |
| 82 | Systematic errors in the calculation of kinetic parameters by the polarographic method. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1985, 190, 47-54. | 0.3 | 24 |
| 83 | EC mechanisms: electrodimmerization of benzophenone on mercury electrode. <i>Electrochimica Acta</i> , 1985, 30, 1527-1532. | 2.6 | 12 |
| 84 | Reduction of dicarbonyl compounds on a DME. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1985, 195, 363-374. | 0.3 | 10 |
| 85 | Electrochemical behaviour of pyridoxal 5-phosphate in an acid medium on a mercury electrode. <i>Bioelectrochemistry</i> , 1984, 12, 25-35. | 1.0 | 11 |
| 86 | Diagnostic criteria for characterization of CE and CEC mechanisms in polarography. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1984, 172, 173-179. | 0.3 | 28 |
| 87 | Influence of proton-donors on the reduction mechanism of diacetyl on dme. <i>Electrochimica Acta</i> , 1984, 29, 429-431. | 2.6 | 8 |
| 88 | Reduction of dicarbonyl compounds on a mercury electrode—I. Reduction mechanism of diacetyl. <i>Electrochimica Acta</i> , 1982, 27, 1369-1372. | 2.6 | 15 |