Francisco Juan Armijo

List of Publications by Year
in descending order

46 papers	1,001 citations	394421 19 h-index	434195 31 g-index
46 all docs	46 docs citations	46 times ranked	1084 citing authors

#	Article	IF	Citations
1	Electrochemical reduction of CO2 mediated by poly-M-aminophthalocyanines (M=Co, Ni, Fe): poly-Co-tetraaminophthalocyanine, a selective catalyst. Journal of Molecular Catalysis A, 2005, 229, 249-257.	4.8	76
2	Electroreduction of Molecular Oxygen on Poly-Iron-Tetraaminophthalocyanine Modified Electrodes. Electroanalysis, 2002, 14, 540-545.	2.9	56
3	Electrosynthesis of polythiophene nanowires via mesoporous silica thin film templates. Electrochemistry Communications, 2009, 11, 2117-2120.	4.7	50
4	Electrocatalytic reduction of nitrate ion on Cu and Ni poly-tetraaminophenylporphyrin-modified electrodes. Journal of Electroanalytical Chemistry, 2004, 566, 315-322.	3.8	49
5	The effect of scan rate on the precision of determining corrosion current by Tafel extrapolation: A numerical study on the example of pure Cu in chloride containing medium. Electrochimica Acta, 2019, 313, 457-467.	5.2	48
6	Electrocatalytic oxidation of nitrite to nitrate mediated by Fe(III) poly-3-aminophenyl porphyrin grown on five different electrode surfaces. Journal of Molecular Catalysis A, 2007, 268, 148-154.	4.8	47
7	Effect of the Substituents on the Ligand of Iron Phthalocyanines Adsorbed on Graphite Electrodes on Their Activity for the Electrooxidation of 2-Mercaptoethanol. Electroanalysis, 2002, 14, 356-362.	2.9	46
8	Electrocatalytic reduction of carbon dioxide on a cobalt tetrakis(4-aminophenyl)porphyrin modified electrode in BMImBF₄. New Journal of Chemistry, 2014, 38, 3606-3612.	2.8	45
9	Catalytic Electrooxidation of 2-Mercaptoethanol on Perchlorinated Iron Phthalocyanine Adsorbed on a Graphite Electrode. Electroanalysis, 1998, 10, 571-575.	2.9	43
10	Electrocatalytic oxidation of sulfite at polymeric iron tetra (4-aminophenyl) porphyrinâ€"modified electrode. Journal of Molecular Catalysis A, 2004, 221, 71-76.	4.8	41
11	Electro-synthesis and characterization of polythiophene nano-wires/platinum nano-particles composite electrodes. Study of formic acid electro-catalytic oxidation. Electrochimica Acta, 2012, 71, 277-282.	5.2	40
12	Electrocataltyic oxidation of hydrazine at polymeric iron-tetraaminophthalocyanine modified electrodes. Journal of Molecular Catalysis A, 2001, 165, 169-175.	4.8	38
13	Influence of the exciton blocking layer on the stability of layered organic solar cells. Journal of Physics and Chemistry of Solids, 2011, 72, 97-103.	4.0	37
14	Study of the electropolymerization of tetrakis (3-aminophenyl) porphyrin Fe(III) chloride on Au electrodes by cyclic voltammetry and STM. Electrochemistry Communications, 2006, 8, 779-784.	4.7	33
15	Electrochemistry of methimazole on fluorine-doped tin oxide electrodes and its square-wave voltammetric determination in pharmaceutical formulations. Electrochimica Acta, 2013, 88, 871-876.	5.2	23
16	Electrochemical oxidation of catecholamines on fluorine-doped SnO2 substrates. Square-wave voltammetric method for methyldopa determination in pharmaceutical dosage forms. Electrochimica Acta, 2016, 199, 227-233.	5.2	23
17	Captopril Electrochemical Oxidation on Fluorineâ€Doped SnO₂ Electrodes and Their Determination in Pharmaceutical Preparations. Electroanalysis, 2010, 22, 2269-2276.	2.9	22
18	Optimization of dopamine determination based on nanowires PEDOT/polydopamine hybrid film modified electrode. Journal of Applied Electrochemistry, 2014, 44, 1289-1294.	2.9	20

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19	Study of poly(3,4-ethylendioxythiphene) as a coating for mitigation of biocorrosion of AISI 304 stainless steel in natural seawater. Progress in Organic Coatings, 2017, 113, 175-184.	3.9	20
20	Conducting polymer applied in a label-free electrochemical immunosensor for the detection prostate-specific antigen using its redox response as an analytical signal. Journal of Electroanalytical Chemistry, 2021, 880, 114877.	3.8	19
21	Electrosynthesis and characterization of nanostructured polyquinone for use in detection and quantification of naturally occurring dsDNA. Biosensors and Bioelectronics, 2016, 79, 280-287.	10.1	17
22	Development of an electrochemical impedimetric immunosensor for Corticotropin Releasing Hormone (CRH) using half-antibody fragments as elements of biorecognition. Biosensors and Bioelectronics, 2019, 131, 171-177.	10.1	17
23	Temperature Effect on Nucleation and Growth Mechanism of Poly(o-anisidine) and Poly(aniline) Electro-Synthesis. Journal of the Electrochemical Society, 2013, 160, G125-G134.	2.9	16
24	Humic acid/polypyrrole on a paraffinâ€impregnated graphite electrode and its use in arsenic extraction. Journal of Applied Polymer Science, 2009, 113, 3619-3629.	2.6	13
25	Electrochemistry behavior of endogenous thiols on fluorine doped tin oxide electrodes. Electrochimica Acta, 2011, 56, 8711-8717.	5.2	13
26	Electro-oxidation of 1-amino-9,10-anthraquinone and O-phenylenediamine and the Influence of Its Copolymerizaton in the Modified Electrode Properties. Electrochemistry, 2013, 81, 954-960.	1.4	13
27	Effect of Tidal Cycles on Bacterial Biofilm Formation and Biocorrosion of Stainless Steel AISI 316L. Journal of Marine Science and Engineering, 2020, 8, 124.	2.6	13
28	Enhancement of electrodes modified by electrodeposited <scp>PEDOT</scp>â€nanowires with dispersed <scp>P</scp>t nanoparticles for formic acid electroâ€oxidation. Journal of Applied Polymer Science, 2017, 134, .	2.6	12
29	Electrochemical Behaviour Study and Determination of Guanine, 6â€Thioguanine, Acyclovir and Gancyclovir on Fluorineâ€doped SnO₂ Electrode. Application in Pharmaceutical Preparations. Electroanalysis, 2017, 29, 2888-2895.	2.9	12
30	Electrochemical Immunosensing Platform for the Determination of the 20S Proteasome Using an Aminophenylboronic/Poly-indole-6-carboxylic Acid-Modified Electrode. ACS Applied Bio Materials, 2020, 3, 4941-4948.	4.6	12
31	Growth direction and exposed facets of Cu/Cu2O nanostructures affect product selectivity in CO2 electroreduction. Materials Chemistry and Physics, 2022, 278, 125650.	4.0	11
32	A new methodology to evaluate adsorption capacity on nanomaterials. Journal of Nanoparticle Research, 2015, 17, 1.	1.9	10
33	Preparation and Characterization of Electrodes Modified with Metalloporphyrins. Application to Reduction of Nitrite. Collection of Czechoslovak Chemical Communications, 2003, 68, 1723-1735.	1.0	9
34	POLY-0-AMINOPHENOL OBTAINED AT HIGH POTENTIALS BY CYCLIC VOLTAMMETRY ON SN0(2): F ELECTRODES: APPLICATION IN QUANTITATIVE DETERMINATION OF ASCORBIC ACID. Journal of the Chilean Chemical Society, 2009, 54, .	1.2	9
35	On the photo- and electro-induced polymerization of M(tetrakis(x-aminophenyl)porphyrin), where x=2, 3 or 4 and M=Zn(II) or Ni(II). Inorganica Chimica Acta, 2006, 359, 2281-2284.	2.4	8
36	Mo(S x O y) thin films deposited by electrochemistry for application in organic photovoltaic cells. Materials Chemistry and Physics, 2017, 201, 331-338.	4.0	8

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37	Flow injection analysis coupled with differential electrochemical mass spectrometry for hydrogen detection and quantification. Electrochemistry Communications, 2020, 118, 106809.	4.7	7
38	Testing the Test: A Comparative Study of Marine Microbial Corrosion under Laboratory and Field Conditions. ACS Omega, 2021, 6, 13496-13507.	3.5	5
39	Electrochemical Conversion of Carbon Dioxide into CHOâ€Containing Compounds on Multimetallic Porphyrins. ChemElectroChem, 2017, 4, 3314-3321.	3.4	4
40	Electrochemical Bacterial Enrichment from Natural Seawater and Its Implications in Biocorrosion of Stainless-Steel Electrodes. Materials, 2020, 13, 2327.	2.9	3
41	Reduced Graphene Oxide Overlayer on Copper Nanocube Electrodes Steers the Selectivity Towards Ethanol in Electrochemical Reduction of Carbon Dioxide. ChemElectroChem, 2022, 9, .	3.4	3
42	Modification of composites of block copolymersâ€“gold nanoparticles with enzymes and their characterization by electrochemical techniques. Journal of Solid State Electrochemistry, 2011, 15, 697-702.	2.5	2
43	Electro-Reduction of Molecular Oxygen Mediated by a Cobalt(II)octaethylporphyrin System onto Oxidized Glassy Carbon/Oxidized Graphene Substrate. Catalysts, 2018, 8, 629.	3.5	2
44	A novel one-pot method to synthesize hierarchical mesoporous carbon foams with ZnO coating. Ceramics International, 2019, 45, 21475-21482.	4.8	2
45	Experimental Assessment of a Conducting Polymer (PEDOT) and Microbial Biofilms as Deterrents and Facilitators of Macro-Biofouling: Larval Settlement of the Barnacle Notobalanus flosculus (Darwin,) Tj ETQq1 1 0.784314 rgBT /Overlock	4.8	2
46	PARA-Ni-TETRAAMINOPHENYLPORPHYRIN/Co-COBALTITE/SnO2:F MODIFIED ELECTRODES: ELECTROCATALYTIC BEHAVIOR TOWARD THE OXIDATION OF HIDRAZINE. Journal of the Chilean Chemical Society, 2005, 50, .	1.2	2