

# Francisco Juan Armijo

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3582882/publications.pdf>

Version: 2024-02-01

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	Growth direction and exposed facets of Cu/Cu <sub>2</sub> O nanostructures affect product selectivity in CO <sub>2</sub> electroreduction. <i>Materials Chemistry and Physics</i> , 2022, 278, 125650.	4.0	11
2	Reduced Graphene Oxide Overlayer on Copper Nanocube Electrodes Steers the Selectivity Towards Ethanol in Electrochemical Reduction of Carbon Dioxide. <i>ChemElectroChem</i> , 2022, 9, .	3.4	3
3	Conducting polymer applied in a label-free electrochemical immunosensor for the detection prostate-specific antigen using its redox response as an analytical signal. <i>Journal of Electroanalytical Chemistry</i> , 2021, 880, 114877.	3.8	19
4	Experimental Assessment of a Conducting Polymer (PEDOT) and Microbial Biofilms as Deterrents and Facilitators of Macro-Biofouling: Larval Settlement of the Barnacle <i>Notobalanus flosculus</i> (Darwin,) <i>Tj ETQq0 0 0 rg16/Overlook 10 Tf 50</i>	3.6	10
5	Testing the Test: A Comparative Study of Marine Microbial Corrosion under Laboratory and Field Conditions. <i>ACS Omega</i> , 2021, 6, 13496-13507.	3.5	5
6	Electrochemical Immunosensing Platform for the Determination of the 20S Proteasome Using an Aminophenylboronic/Poly-indole-6-carboxylic Acid-Modified Electrode. <i>ACS Applied Bio Materials</i> , 2020, 3, 4941-4948.	4.6	12
7	Flow injection analysis coupled with differential electrochemical mass spectrometry for hydrogen detection and quantification. <i>Electrochemistry Communications</i> , 2020, 118, 106809.	4.7	7
8	Electrochemical Bacterial Enrichment from Natural Seawater and Its Implications in Biocorrosion of Stainless-Steel Electrodes. <i>Materials</i> , 2020, 13, 2327.	2.9	3
9	Effect of Tidal Cycles on Bacterial Biofilm Formation and Biocorrosion of Stainless Steel AISI 316L. <i>Journal of Marine Science and Engineering</i> , 2020, 8, 124.	2.6	13
10	A novel one-pot method to synthesize hierarchical mesoporous carbon foams with ZnO coating. <i>Ceramics International</i> , 2019, 45, 21475-21482.	4.8	2
11	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. <i>Electrochimica Acta</i> , 2019, 313, 457-467.	5.2	48
12	Development of an electrochemical impedimetric immunosensor for Corticotropin Releasing Hormone (CRH) using half-antibody fragments as elements of biorecognition. <i>Biosensors and Bioelectronics</i> , 2019, 131, 171-177.	10.1	17
13	Electro-Reduction of Molecular Oxygen Mediated by a Cobalt(II)octaethylporphyrin System onto Oxidized Glassy Carbon/Oxidized Graphene Substrate. <i>Catalysts</i> , 2018, 8, 629.	3.5	2
14	Enhancement of electrodes modified by electrodeposited PEDOT nanowires with dispersed Pt nanoparticles for formic acid electrooxidation. <i>Journal of Applied Polymer Science</i> , 2017, 134, .	2.6	12
15	Study of poly(3,4-ethylenedioxythiophene) as a coating for mitigation of biocorrosion of AISI 304 stainless steel in natural seawater. <i>Progress in Organic Coatings</i> , 2017, 113, 175-184.	3.9	20
16	Electrochemical Conversion of Carbon Dioxide into CHO-Containing Compounds on Multimetallic Porphyrins. <i>ChemElectroChem</i> , 2017, 4, 3314-3321.	3.4	4
17	Electrochemical Behaviour Study and Determination of Guanine, Thioguanine, Acyclovir and Gancyclovir on Fluorine-doped SnO <sub>2</sub> Electrode. Application in Pharmaceutical Preparations. <i>Electroanalysis</i> , 2017, 29, 2888-2895.	2.9	12
18	Mo(S x O y) thin films deposited by electrochemistry for application in organic photovoltaic cells. <i>Materials Chemistry and Physics</i> , 2017, 201, 331-338.	4.0	8

#	ARTICLE	IF	CITATIONS
19	Electrochemical oxidation of catecholamines on fluorine-doped SnO <sub>2</sub> substrates. Square-wave voltammetric method for methyl dopa determination in pharmaceutical dosage forms. <i>Electrochimica Acta</i> , 2016, 199, 227-233.	5.2	23
20	Electrosynthesis and characterization of nanostructured polyquinone for use in detection and quantification of naturally occurring dsDNA. <i>Biosensors and Bioelectronics</i> , 2016, 79, 280-287.	10.1	17
21	A new methodology to evaluate adsorption capacity on nanomaterials. <i>Journal of Nanoparticle Research</i> , 2015, 17, 1.	1.9	10
22	Optimization of dopamine determination based on nanowires PEDOT/polydopamine hybrid film modified electrode. <i>Journal of Applied Electrochemistry</i> , 2014, 44, 1289-1294.	2.9	20
23	Electrocatalytic reduction of carbon dioxide on a cobalt tetrakis(4-aminophenyl)porphyrin modified electrode in BMImBF <sub>4</sub> . <i>New Journal of Chemistry</i> , 2014, 38, 3606-3612.	2.8	45
24	Electrochemistry of methimazole on fluorine-doped tin oxide electrodes and its square-wave voltammetric determination in pharmaceutical formulations. <i>Electrochimica Acta</i> , 2013, 88, 871-876.	5.2	23
25	Temperature Effect on Nucleation and Growth Mechanism of Poly( <i>o</i> -anisidine) and Poly(aniline) Electro-Synthesis. <i>Journal of the Electrochemical Society</i> , 2013, 160, G125-G134.	2.9	16
26	Electro-oxidation of 1-amino-9,10-anthraquinone and O-phenylenediamine and the Influence of Its Copolymerization in the Modified Electrode Properties. <i>Electrochemistry</i> , 2013, 81, 954-960.	1.4	13
27	Electro-synthesis and characterization of polythiophene nano-wires/platinum nano-particles composite electrodes. Study of formic acid electro-catalytic oxidation. <i>Electrochimica Acta</i> , 2012, 71, 277-282.	5.2	40
28	Electrochemistry behavior of endogenous thiols on fluorine doped tin oxide electrodes. <i>Electrochimica Acta</i> , 2011, 56, 8711-8717.	5.2	13
29	Modification of composites of block copolymers-gold nanoparticles with enzymes and their characterization by electrochemical techniques. <i>Journal of Solid State Electrochemistry</i> , 2011, 15, 697-702.	2.5	2
30	Influence of the exciton blocking layer on the stability of layered organic solar cells. <i>Journal of Physics and Chemistry of Solids</i> , 2011, 72, 97-103.	4.0	37
31	Captopril Electrochemical Oxidation on Fluorine-Doped SnO <sub>2</sub> Electrodes and Their Determination in Pharmaceutical Preparations. <i>Electroanalysis</i> , 2010, 22, 2269-2276.	2.9	22
32	POLY-O-AMINOPHENOL OBTAINED AT HIGH POTENTIALS BY CYCLIC VOLTAMMETRY ON SnO <sub>2</sub> : F ELECTRODES: APPLICATION IN QUANTITATIVE DETERMINATION OF ASCORBIC ACID. <i>Journal of the Chilean Chemical Society</i> , 2009, 54, .	1.2	9
33	Humic acid/polypyrrole on a paraffin-impregnated graphite electrode and its use in arsenic extraction. <i>Journal of Applied Polymer Science</i> , 2009, 113, 3619-3629.	2.6	13
34	Electrosynthesis of polythiophene nanowires via mesoporous silica thin film templates. <i>Electrochemistry Communications</i> , 2009, 11, 2117-2120.	4.7	50
35	Electrocatalytic oxidation of nitrite to nitrate mediated by Fe(III) poly-3-aminophenyl porphyrin grown on five different electrode surfaces. <i>Journal of Molecular Catalysis A</i> , 2007, 268, 148-154.	4.8	47
36	Study of the electropolymerization of tetrakis (3-aminophenyl) porphyrin Fe(III) chloride on Au electrodes by cyclic voltammetry and STM. <i>Electrochemistry Communications</i> , 2006, 8, 779-784.	4.7	33

#	ARTICLE	IF	CITATIONS
37	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). <i>Inorganica Chimica Acta</i> , 2006, 359, 2281-2284.	2.4	8
38	Electrochemical reduction of CO <sub>2</sub> mediated by poly-M-aminophthalocyanines (M=Co, Ni, Fe): poly-Co-tetraaminophthalocyanine, a selective catalyst. <i>Journal of Molecular Catalysis A</i> , 2005, 229, 249-257.	4.8	76
39	PARA-Ni-TETRAAMINOPHENYLPORPHYRIN/Co-COBALTITE/SnO <sub>2</sub> :F MODIFIED ELECTRODES: ELECTROCATALYTIC BEHAVIOR TOWARD THE OXIDATION OF HIDRAZINE. <i>Journal of the Chilean Chemical Society</i> , 2005, 50, .	1.2	2
40	Electrocatalytic oxidation of sulfite at polymeric iron tetra (4-aminophenyl) porphyrinâ€”modified electrode. <i>Journal of Molecular Catalysis A</i> , 2004, 221, 71-76.	4.8	41
41	Electrocatalytic reduction of nitrate ion on Cu and Ni poly-tetraaminophenylporphyrin-modified electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2004, 566, 315-322.	3.8	49
42	Preparation and Characterization of Electrodes Modified with Metalloporphyrins. Application to Reduction of Nitrite. <i>Collection of Czechoslovak Chemical Communications</i> , 2003, 68, 1723-1735.	1.0	9
43	Effect of the Substituents on the Ligand of Iron Phthalocyanines Adsorbed on Graphite Electrodes on Their Activity for the Electrooxidation of 2-Mercaptoethanol. <i>Electroanalysis</i> , 2002, 14, 356-362.	2.9	46
44	Electroreduction of Molecular Oxygen on Poly-Iron-Tetraaminophthalocyanine Modified Electrodes. <i>Electroanalysis</i> , 2002, 14, 540-545.	2.9	56
45	Electrocatalytic oxidation of hydrazine at polymeric iron-tetraaminophthalocyanine modified electrodes. <i>Journal of Molecular Catalysis A</i> , 2001, 165, 169-175.	4.8	38
46	Catalytic Electrooxidation of 2-Mercaptoethanol on Perchlorinated Iron Phthalocyanine Adsorbed on a Graphite Electrode. <i>Electroanalysis</i> , 1998, 10, 571-575.	2.9	43