JosuÃ© Martins GonÃ§alves

List of Publications by Year
in descending order

57 papers	1,468 citations	331259 21 h-index	344852 36 g-index
61 all docs	61 docs citations	61 times ranked	1490 citing authors

#	Article	IF	Citations
1	Sensing Materials: Metal Oxides. , 2023, , 98-113.		3
2	Electrochemical sensor for isoniazid detection by using a WS2/CNTs nanocomposite. Sensors and Actuators Reports, 2022, 4, 100073.	2.3	14
3	Recent progress in water-splitting and supercapacitor electrode materials based on MOF-derived sulfides. Journal of Materials Chemistry A, 2022, 10, 430-474.	5.2	54
4	Interplay of hetero-MN4 catalytic sites on graphene for efficient oxygen reduction reaction. Electrochimica Acta, 2022, 419, 140397.	2.6	2
5	Recent progress in water splitting and hybrid supercapacitors based on nickel-vanadium layered double hydroxides. Journal of Energy Chemistry, 2021, 57, 496-515.	7.1	65
6	Recent advances in electroanalytical drug detection by porphyrin/phthalocyanine macrocycles: developments and future perspectives. Analyst, The, 2021, 146, 365-381.	1.7	14
7	Multifunctional spinel MnCo₂O₄ based materials for energy storage and conversion: a review on emerging trends, recent developments and future perspectives. Journal of Materials Chemistry A, 2021, 9, 3095-3124.	5.2	88
8	Recent trends and perspectives in electrochemical sensors based on MOF-derived materials. Journal of Materials Chemistry C, 2021, 9, 8718-8745.	2.7	100
9	Feasible strategies to promote the sensing performances of spinel MCo₂O₄(M) Tj ETQq1 1 0.784314 rgBT 2021, 9, 7852-7887.	2.7	43
10	Combined Colorimetric and Electrochemical Measurement Paper-Based Device for Chemometric Proof-of-Concept Analysis of Cocaine Samples. ACS Omega, 2021, 6, 594-605.	1.6	26
11	Recent Progress in Core@Shell Sulfide Electrode Materials for Advanced Supercapacitor Devices. Batteries and Supercaps, 2021, 4, 1397-1427.	2.4	20
12	Nanoporous Goldâ€Based Materials for Electrochemical Energy Storage and Conversion. Energy Technology, 2021, 9, 2000927.	1.8	26
13	Fluorescent Cdots(N)-Silica composites: Direct synthesis and application as electrochemical sensor of fenitrothion pesticide. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2021, 267, 115084.	1.7	17
14	Fabrication of dendritic nanoporous gold via a two-step amperometric approach: Application for electrochemical detection of methyl parathion in river water samples. Talanta, 2021, 226, 122130.	2.9	16
15	Mass Transport in Nanoporous Gold and Correlation with Surface Pores for EC 1 Mechanism: Case of Ascorbic Acid. ChemElectroChem, 2021, 8, 2129-2136.	1.7	3
16	Screenâ€printed Nickelâ€Cerium Hydroxide Sensor for Acetaminophen Determination in Body Fluids. ChemElectroChem, 2021, 8, 2505-2511.	1.7	5
17	Reagentless and sub-minute laser-scribing treatment to produce enhanced disposable electrochemical sensors via additive manufacture. Chemical Engineering Journal, 2021, 425, 130594.	6.6	41
18	SPION-decorated organofunctionalized MCM48 silica-based nanocomposites for magnetic solid-phase extraction. Materials Advances, 2021, 2, 963-973.	2.6	3

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19	Silver Enhances Hematite Nanoparticles Based Ethanol Sensor Response and Selectivity at Room Temperature. Sensors, 2021, 21, 440.	2.1	13
20	Recent progress in and prospects for supercapacitor materials based on metal oxide or hydroxide/biomass-derived carbon composites. Sustainable Energy and Fuels, 2021, 5, 5332-5365.	2.5	34
21	NiVCe-Layered Double Hydroxide as Multifunctional Nanomaterials for Energy and Sensor Applications. Frontiers in Materials, 2021, 8, .	1.2	4
22	Amperometric microsensor based on nanoporous gold for ascorbic acid detection in highly acidic biological extracts. Analytica Chimica Acta, 2020, 1095, 61-70.	2.6	30
23	Electrochemical detection of 2,4,6-trinitrotoluene on carbon nanotube modified electrode: Effect of acid functionalization. Journal of Solid State Electrochemistry, 2020, 24, 121-129.	1.2	19
24	Vanadium-containing electro and photocatalysts for the oxygen evolution reaction: a review. Journal of Materials Chemistry A, 2020, 8, 2171-2206.	5.2	94
25	Hybrid Pigments from Anthocyanin Analogues and Synthetic Clay Minerals. ACS Omega, 2020, 5, 26592-26600.	1.6	18
26	Reviewâ€"Tetraruthenated Porphyrins and Composites as Catalysts and Sensor Materials: A Short Review. ECS Journal of Solid State Science and Technology, 2020, 9, 061011.	0.9	8
27	Synthesis and characterization of nanocomposite based on reduced graphene oxide-gold nanoparticles-carbon dots: electroanalytical determination of dihydroxybenzene isomers simultaneously. Journal of Nanoparticle Research, 2020, 22, 1.	0.8	10
28	Uric acid electrochemical sensing in biofluids based on Ni/Zn hydroxide nanocatalyst. Mikrochimica Acta, 2020, 187, 379.	2.5	28
29	Ni-based double hydroxides as electrocatalysts in chemical sensors: AÂreview. TrAC - Trends in Analytical Chemistry, 2020, 126, 115859.	5.8	21
30	Intriguing Plasmonic and Fluorescence Duality in Copper Nanoparticles. Plasmonics, 2020, 15, 1213-1219.	1.8	3
31	Recent advances in ternary layered double hydroxide electrocatalysts for the oxygen evolution reaction. New Journal of Chemistry, 2020, 44, 9981-9997.	1.4	76
32	An Electrochemically Synthesized Nanoporous Copper Microsensor for Highly Sensitive and Selective Determination of Glyphosate. ChemElectroChem, 2020, 7, 1558-1566.	1.7	28
33	Trimetallic oxides/hydroxides as hybrid supercapacitor electrode materials: a review. Journal of Materials Chemistry A, 2020, 8, 10534-10570.	5.2	151
34	Lamellar FeOcPcâ€Ni/GO Compositeâ€Based Enzymeless Glucose Sensor. ChemElectroChem, 2020, 7, 2553-2563.	1.7	7
35	Magnetite Synthesis in the Presence of Cyanide or Thiocyanate under Prebiotic Chemistry Conditions. Life, 2020, 10, 34.	1.1	5
36	Single-Atom Electrocatalysts for Water Splitting. , 2020, , 67-111.		1

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37	Efficient and methanol resistant noble metal free electrocatalyst for tetraelectronic oxygen reduction reaction. Electrochimica Acta, 2019, 326, 134984.	2.6	14
38	Correlating Selective Electrocatalysis of Dopamine and Ascorbic Acid Electrooxidation at Nanoporous Gold Surfaces with Structural-Defects. Journal of the Electrochemical Society, 2019, 166, H704-H711.	1.3	22
39	Nanoporous gold-based dopamine sensor with sensitivity boosted by interferant ascorbic acid. Electrochimica Acta, 2019, 322, 134772.	2.6	17
40	Solventless preparation of Fe3O4 and Co3O4 nanoparticles: A mechanochemical approach. Materials Chemistry and Physics, 2019, 226, 318-322.	2.0	19
41	GO composite encompassing a tetraruthenated cobalt porphyrin-Ni coordination polymer and its behavior as isoniazid BIA sensor. Electrochimica Acta, 2019, 300, 113-122.	2.6	25
42	Electrocatalytic materials design for oxygen evolution reaction. Advances in Inorganic Chemistry, 2019, , 241-303.	0.4	14
43	Nanostructured mixed Ni/Pt hydroxides electrodes for BIA-amperometry determination of hydralazine. Journal of the Taiwan Institute of Chemical Engineers, 2019, 95, 475-480.	2.7	13
44	Enhancement of Stability and Specific Charge Capacity of Alphaâ€Ni(OH) 2 by Mn(II) Isomorphic Substitution. Energy Technology, 2019, 7, 1800980.	1.8	10
45	Correlating surface growth of nanoporous gold with electrodeposition parameters to optimize amperometric sensing of nitrite. Sensors and Actuators B: Chemical, 2018, 263, 237-247.	4.0	55
46	Synergic effects enhance the catalytic properties of alpha-Ni(OH)2-FeOCPc@rGO composite for oxygen evolution reaction. Electrochimica Acta, 2018, 267, 161-169.	2.6	26
47	Fast and reliable BIA/amperometric quantification of acetylcysteine using a nanostructured double hydroxide sensor. Talanta, 2018, 186, 354-361.	2.9	14
48	Unexpected Stabilization ofÎ±-Ni(OH)₂Nanoparticles in GO Nanocomposites. Journal of Nanomaterials, 2018, 2018, 1-13.	1.5	10
49	Thiosemicarbazone@Gold nanoparticle hybrid as selective SERS substrate for Hg2+ ions. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 204, 174-179.	2.0	8
50	Sensors based on Ag-loaded hematite (Î±-Fe 2 O 3) nanoparticles for methyl mercaptan detection at room temperature. Analytical Chemistry Research, 2017, 12, 74-81.	2.0	37
51	Nanostructured Alpha-NiCe Mixed Hydroxide for Highly Sensitive Amperometric Prednisone Sensors. Electrochimica Acta, 2017, 247, 30-40.	2.6	19
52	CoTRP/Graphene oxide composite as efficient electrode material for dissolved oxygen sensors. Electrochimica Acta, 2016, 222, 1682-1690.	2.6	19
53	Enhanced Stability and Conductivity ofÎ±-Ni(OH)₂/Smectite Clay Composites. Journal of the Electrochemical Society, 2016, 163, A2356-A2361.	1.3	9
54	Electrode materials based on Î±-NiCo(OH)₂ and rGO for high performance energy storage devices. RSC Advances, 2016, 6, 102504-102512.	1.7	28

#	Article	IF	Citations
55	ANALOGIAS EM LIVROS DIDÃTICOS DESTINADOS AO ENSINO SUPERIOR: QUÃMICA ORGÂNICA VERSUS FÃSICO-QUÃMICA. Investigacoes Em Ensino De Ciencias, 2016, 21, 92.	0.0	2
56	Unexpected effect of drying method on the microstructure and electrocatalytic properties of bentonite/alpha-nickel hydroxide nanocomposite. Journal of Power Sources, 2015, 297, 408-412.	4.0	15
57	Nickel-Cerium Layered Double Hydroxide as Electrocatalyst for Glycerol Oxidation. Journal of the Brazilian Chemical Society, 0, , .	0.6	2