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	Trimetallic oxides/hydroxides as hybrid supercapacitor electrode materials: a review. Journal of Materials Chemistry A, 2020, 8, 10534-10570.	5.2	151
2	Recent trends and perspectives in electrochemical sensors based on MOF-derived materials. Journal of Materials Chemistry C, 2021, 9, 8718-8745.	2.7	100
3	Vanadium-containing electro and photocatalysts for the oxygen evolution reaction: a review. Journal of Materials Chemistry A, 2020, 8, 2171-2206.	5.2	94
4	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
5	Recent advances in ternary layered double hydroxide electrocatalysts for the oxygen evolution reaction. New Journal of Chemistry, 2020, 44, 9981-9997.	1.4	76
6	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
7	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
8	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
9	Feasible strategies to promote the sensing performances of spinel MCo₂O₄(M) Tj ETQq1 1 0.784314 rgBT O 2021, 9, 7852-7887.	2.7	43
10	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
11	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
12	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
13	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
14	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
15	Uric acid electrochemical sensing in biofluids based on Ni/Zn hydroxide nanocatalyst. Mikrochimica Acta, 2020, 187, 379.	2.5	28
16	An Electrochemically Synthesized Nanoporous Copper Microsensor for Highly Sensitive and Selective Determination of Glyphosate. ChemElectroChem, 2020, 7, 1558-1566.	1.7	28
17	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
18	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

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19	Nanoporous Goldâ€Based Materials for Electrochemical Energy Storage and Conversion. Energy Technology, 2021, 9, 2000927.	1.8	26
20	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
21	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
22	Ni-based double hydroxides as electrocatalysts in chemical sensors: AÂreview. TrAC - Trends in Analytical Chemistry, 2020, 126, 115859.	5.8	21
23	Recent Progress in Core@Shell Sulfide Electrode Materials for Advanced Supercapacitor Devices. Batteries and Supercaps, 2021, 4, 1397-1427.	2.4	20
24	CoTRP/Graphene oxide composite as efficient electrode material for dissolved oxygen sensors. Electrochimica Acta, 2016, 222, 1682-1690.	2.6	19
25	Nanostructured Alpha-NiCe Mixed Hydroxide for Highly Sensitive Amperometric Prednisone Sensors. Electrochimica Acta, 2017, 247, 30-40.	2.6	19
26	Solventless preparation of Fe3O4 and Co3O4 nanoparticles: A mechanochemical approach. Materials Chemistry and Physics, 2019, 226, 318-322.	2.0	19
27	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
28	Hybrid Pigments from Anthocyanin Analogues and Synthetic Clay Minerals. ACS Omega, 2020, 5, 26592-26600.	1.6	18
29	Nanoporous gold-based dopamine sensor with sensitivity boosted by interferant ascorbic acid. Electrochimica Acta, 2019, 322, 134772.	2.6	17
30	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
31	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
32	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
33	Fast and reliable BIA/amperometric quantification of acetylcysteine using a nanostructured double hydroxide sensor. Talanta, 2018, 186, 354-361.	2.9	14
34	Efficient and methanol resistant noble metal free electrocatalyst for tetraelectronic oxygen reduction reaction. Electrochimica Acta, 2019, 326, 134984.	2.6	14
35	Electrocatalytic materials design for oxygen evolution reaction. Advances in Inorganic Chemistry, 2019, , 241-303.	0.4	14
36	Recent advances in electroanalytical drug detection by porphyrin/phthalocyanine macrocycles: developments and future perspectives. Analyst, The, 2021, 146, 365-381.	1.7	14

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37	Electrochemical sensor for isoniazid detection by using a WS2/CNTs nanocomposite. Sensors and Actuators Reports, 2022, 4, 100073.	2.3	14
38	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
39	Silver Enhances Hematite Nanoparticles Based Ethanol Sensor Response and Selectivity at Room Temperature. Sensors, 2021, 21, 440.	2.1	13
40	Unexpected Stabilization ofÎ±-Ni(OH)₂Nanoparticles in GO Nanocomposites. Journal of Nanomaterials, 2018, 2018, 1-13.	1.5	10
41	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
42	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
43	Enhanced Stability and Conductivity ofÎ±-Ni(OH)₂/Smectite Clay Composites. Journal of the Electrochemical Society, 2016, 163, A2356-A2361.	1.3	9
44	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
45	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
46	Lamellar FeOcPcâ€Ni/GO Compositeâ€Based Enzymeless Glucose Sensor. ChemElectroChem, 2020, 7, 2553-2563.	1.7	7
47	Magnetite Synthesis in the Presence of Cyanide or Thiocyanate under Prebiotic Chemistry Conditions. Life, 2020, 10, 34.	1.1	5
48	Screenâ€printed Nickelâ€Cerium Hydroxide Sensor for Acetaminophen Determination in Body Fluids. ChemElectroChem, 2021, 8, 2505-2511.	1.7	5
49	NiVCe-Layered Double Hydroxide as Multifunctional Nanomaterials for Energy and Sensor Applications. Frontiers in Materials, 2021, 8, .	1.2	4
50	Intriguing Plasmonic and Fluorescence Duality in Copper Nanoparticles. Plasmonics, 2020, 15, 1213-1219.	1.8	3
51	Sensing Materials: Metal Oxides. , 2023, , 98-113.		3
52	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
53	SPION-decorated organofunctionalized MCM48 silica-based nanocomposites for magnetic solid-phase extraction. Materials Advances, 2021, 2, 963-973.	2.6	3
54	ANALOGIAS EM LIVROS DIDÃTICOS DESTINADOS AO ENSINO SUPERIOR: QUÃMICA ORGÃNICA VERSUS FÃSICO-QUÃMICA. Investigacoes Em Ensino De Ciencias, 2016, 21, 92.	0.0	2

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55	Nickel-Cerium Layered Double Hydroxide as Electrocatalyst for Glycerol Oxidation. Journal of the Brazilian Chemical Society, 0, , .	0.6	2
56	Interplay of hetero-MN4 catalytic sites on graphene for efficient oxygen reduction reaction. Electrochimica Acta, 2022, 419, 140397.	2.6	2
57	Single-Atom Electrocatalysts for Water Splitting. , 2020, , 67-111.		1