

Nobanathi Wendy Maxakato

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

842
citations

623734

14
h-index

501196

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all docs

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docs citations

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times ranked

738
citing authors

#	ARTICLE	IF	CITATIONS
1	A novel electrochemical epinine sensor using amplified CuO nanoparticles and a <i>n</i> -hexyl-3-methylimidazolium hexafluorophosphate electrode. <i>New Journal of Chemistry</i> , 2019, 43, 2362-2367.	2.8	246
2	Metal-organic frameworks and derived materials as photocatalysts for water splitting and carbon dioxide reduction. <i>Coordination Chemistry Reviews</i> , 2022, 469, 214664.	18.8	100
3	Porous metal oxide electrocatalytic nanomaterials for energy conversion: Oxygen defects and selection techniques. <i>Coordination Chemistry Reviews</i> , 2022, 457, 214389.	18.8	46
4	Preconcentration and speciation of chromium species using ICP-OES after ultrasound-assisted magnetic solid phase extraction with an amino-modified magnetic nanocomposite prepared from Fe ₃ O ₄ , MnO ₂ and Al ₂ O ₃ . <i>Mikrochimica Acta</i> , 2017, 184, 1223-1232.	5.0	45
5	Porous metal-organic framework (MOF)-based and MOF-derived electrocatalytic materials for energy conversion. <i>Materials Today Energy</i> , 2021, 21, 100816.	4.7	45
6	Determination of polycyclic aromatic hydrocarbon levels of groundwater in Ife north local government area of Osun state, Nigeria. <i>Toxicology Reports</i> , 2017, 4, 39-48.	3.3	41
7	Sawdust-biomass based materials for sequestration of organic and inorganic pollutants and potential for engineering applications. <i>Current Research in Green and Sustainable Chemistry</i> , 2022, 5, 100274.	5.6	35
8	Insights into the electro-oxidation of ethylene glycol at Pt/Ru nanocatalysts supported on MWCNTs: Adsorption-controlled electrode kinetics. <i>Electrochemistry Communications</i> , 2009, 11, 534-537.	4.7	31
9	Microwave assisted synthesis of nitrogen doped and oxygen functionalized carbon nano onions supported palladium nanoparticles as hybrid anodic electrocatalysts for direct alkaline ethanol fuel cells. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 10862-10875.	7.1	25
10	Preparation of magnetic Fe ₃ O ₄ nanocomposites modified with MnO ₂ , Al ₂ O ₃ , Au and their application for preconcentration of arsenic in river water samples. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 1673-1681.	6.7	24
11	Electro-oxidation of Ethanol and Methanol on Pd/C, Pd/CNFs and Pd~Ru/CNFs Nanocatalysts in Alkaline Direct Alcohol Fuel Cell. <i>Electroanalysis</i> , 2020, 32, 2681-2692.	2.9	20
12	Pt~Sn Nanoparticles Supported on Carbon Nanodots as Anode Catalysts for Alcohol Electro-oxidation in Acidic Conditions. <i>Electroanalysis</i> , 2018, 30, 1125-1132.	2.9	19
13	Determination of polycyclic aromatic hydrocarbons (PAHs) and organochlorine pesticides (OCPs) in some personal care products in Nigeria. <i>Toxicology Reports</i> , 2018, 5, 994-1001.	3.3	18
14	Electrocatalytic activity on single atoms catalysts: Synthesis strategies, characterization, classification, and energy conversion applications. <i>Coordination Chemistry Reviews</i> , 2022, 467, 214600.	18.8	16
15	Evaluation of Polycyclic Aromatic Hydrocarbons (PAHs) and Health Risk Assessment of Surface Water and Sediments of River Sasa, Ife North Local Government Area, Nigeria. <i>Chemistry Africa</i> , 2020, 3, 1109-1122.	2.4	13
16	Efficient strategies for boosting the performance of 2D graphitic carbon nitride nanomaterials during photoreduction of carbon dioxide to energy-rich chemicals. <i>Materials Today Chemistry</i> , 2022, 23, 100605.	3.5	13
17	Electrochemical detection of selenium using glassy carbon electrode modified with reduced graphene oxide. <i>International Journal of Environmental Analytical Chemistry</i> , 2017, 97, 534-547.	3.3	12
18	Methanol Oxidation in Alkaline Media with Pt-Au/fMWCNTs and Pt-Pd/fMWCNTs Electrocatalysts on an Exfoliated Graphite Electrode. <i>Electrocatalysis</i> , 2019, 10, 672-679.	3.0	11

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19	Mn-Ni-Co-O Spinel Oxides towards Oxygen Reduction Reaction in Alkaline Medium: Mn _{0.5} Ni _{0.5} Co ₂ O ₄ /C Synergism and Cooperation. <i>Catalysts</i> , 2021, 11, 1059.	3.5	11
20	Efficient Oxygen Reduction Reaction Using Ruthenium Tetrakis(diaquaplatinum)Octacarboxyphthalocyanine Catalyst Supported on MWCNT Platform. <i>Electroanalysis</i> , 2011, 23, 325-329.	2.9	10
21	Effect of Sn Doping on Pd Electro-Catalysts for Enhanced Electro-Catalytic Activity towards Methanol and Ethanol Electro-Oxidation in Direct Alcohol Fuel Cells. <i>Nanomaterials</i> , 2021, 11, 2725.	4.1	10
22	Pt/CNDs-TiO ₂ electrocatalyst for direct alcohol fuel cells. <i>Materials Today: Proceedings</i> , 2018, 5, 10460-10469.	1.8	8
23	Electro-catalytic Activity of Carbon Nanofibers Supported Palladium Nanoparticles for Direct Alcohol Fuel Cells in Alkaline Medium. <i>Electrocatalysis</i> , 2019, 10, 420-428.	3.0	8
24	Environmental health impacts and controlling measures of anthropogenic activities on groundwater quality in Southwestern Nigeria. <i>Environmental Monitoring and Assessment</i> , 2022, 194, 384.	2.7	7
25	Empirical analysis and recent advances in metal-organic framework-derived electrocatalysts for oxygen reduction, hydrogen and oxygen evolution reactions. <i>Materials Chemistry and Physics</i> , 2022, 289, 126438.	4.0	7
26	Progress and challenges in batch and optimization studies on the adsorptive removal of heavy metals using modified biomass-based adsorbents. <i>Bioresource Technology Reports</i> , 2022, 19, 101115.	2.7	7
27	Electrochemical CO ₂ conversion to fuels on metal-free N-doped carbon-based materials: functionalities, mechanistic, and techno-economic aspects. <i>Materials Today Chemistry</i> , 2022, 24, 100838.	3.5	5
28	The influence of ZrO ₂ promoter in Pd/fCNDs-ZrO ₂ catalyst towards alcohol fuel electrooxidation in alkaline media. <i>Materials Research Express</i> , 2020, 7, 015607.	1.6	4
29	Electro-Catalytic Properties of Palladium and Palladium Alloy Electro-Catalysts Supported on Carbon Nanofibers for Electro-Oxidation of Methanol and Ethanol in Alkaline Medium. <i>Catalysts</i> , 2022, 12, 608.	3.5	3
30	Novel nanostructured electrocatalysts for fuel cell technology: Design, solution chemistry-based preparation approaches and application. <i>Nano Structures Nano Objects</i> , 2022, 29, 100831.	3.5	2