Yaovi Holade

List of Publications by Citations

51 papers	1,092 citations	21 h-index	32 g-index
56 ext. papers	1,286 ext. citations	6.5 avg, IF	4.41 L-index

#	Paper	IF	Citations
51	Toward the Electrochemical Valorization of Glycerol: Fourier Transform Infrared Spectroscopic and Chromatographic Studies. *ACS Catalysis*, **2013**, 3, 2403-2411	13.1	96
50	New Preparation of PdNi/C and PdAg/C Nanocatalysts for Glycerol Electrooxidation in Alkaline Medium. *Electrocatalysis*, **2013**, 4, 167-178	2.7	77
49	Recent Advances in Carbon Supported Metal Nanoparticles Preparation for Oxygen Reduction Reaction in Low Temperature Fuel Cells. *Catalysts*, **2015**, 5, 310-348	4	73
48	Advanced Electrocatalysts on the Basis of Bare Au Nanomaterials for Biofuel Cell Applications. *ACS Catalysis*, **2015**, 5, 6489-6496	13.1	63
47	Enhancing the available specific surface area of carbon supports to boost the electroactivity of nanostructured Pt catalysts. *Physical Chemistry Chemical Physics*, **2014**, 16, 25609-20	3.6	55
46	One-pot synthesis of reduced graphene oxide supported gold-based nanomaterials as robust nanocatalysts for glucose electrooxidation. *Electrochimica Acta*, **2016**, 212, 864-875	6.7	49
45	Pacemaker Activated by an Abiotic Biofuel Cell Operated in Human Serum Solution. *Electroanalysis*, **2014**, 26, 2445-2457	3	46
44	High impact of the reducing agent on palladium nanomaterials: new insights from X-ray photoelectron spectroscopy and oxygen reduction reaction. *RSC Advances*, **2016**, 6, 12627-12637	3.7	39
43	 Core–Shell Mesoporous Nanoballs and Nanoparticles as Efficient Electrocatalysts toward Formic Acid and Glucose Oxidation. *Journal of Physical Chemistry C*, **2015**, 119, 27529-27539	3.8	36
42	Facile synthesis of highly active and durable PdM/C (M = Fe, Mn) nanocatalysts for the oxygen reduction reaction in an alkaline medium. *Journal of Materials Chemistry A*, **2016**, 4, 8337-8349	13	36
41	Highly Selective Oxidation of Carbohydrates in an Efficient Electrochemical Energy Converter: Cogenerating Organic Electrosynthesis. *ChemSusChem*, **2016**, 9, 252-63	8.3	33
40	Enhanced electrocatalytic performance triggered by atomically bridged boron nitride between palladium nanoparticles and carbon fibers in gas-diffusion electrodes. *Applied Catalysis B: Environmental*, **2019**, 257, 117917	21.8	33
39	Electrocatalytic properties of nanomaterials synthesized from Bromide Anion Exchange method - Investigations of glucose and glycerol oxidation. *Electrochimica Acta*, **2015**, 162, 205-214	6.7	31
38	Advances in Electrocatalysis for Energy Conversion and Synthesis of Organic Molecules. *ChemPhysChem*, **2017**, 18, 2573-2605	3.2	30
37	DNA Redox Hydrogels: Improving Mediated Enzymatic Bioelectrocatalysis. *ACS Catalysis*, **2016**, 6, 2603-2607	13.1	29
36	Halide-regulated growth of electrocatalytic metal nanoparticles directly onto a carbon paper electrode. *Journal of Materials Chemistry A*, **2016**, 4, 17154-17162	13	26
35	Enhanced Catalytic Glycerol Oxidation Activity Enabled by Activated-Carbon-Supported Palladium Catalysts Prepared through Atomic Layer Deposition. *ChemElectroChem*, **2018**, 5, 743-747	4.3	23

34	Kinetic model for a threshold filter in an enzymatic system for bioanalytical and biocomputing applications. *Journal of Physical Chemistry B*, **2014**, 118, 12435-43	3.4	23
33	Recent advances in the electrooxidation of biomass-based organic molecules for energy, chemicals and hydrogen production. *Catalysis Science and Technology*, **2020**, 10, 3071-3112	5.5	22
32	Improving the Performance of Methanol Biofuel Cells Utilizing an Enzyme Cascade Bioanode with DNA-Bridged Substrate Channeling. *ACS Energy Letters*, **2017**, 2, 1435-1438	20.1	21
31	Insights on Hybrid Glucose Biofuel Cells Based on Bilirubin Oxidase Cathode and Gold-Based Anode Nanomaterials. *ChemElectroChem*, **2014**, 1, 1976-1987	4.3	21
30	Wireless Information Transmission System Powered by an Abiotic Biofuel Cell Implanted in an Orange. *Electroanalysis*, **2015**, 27, 276-280	3	19
29	Nanostructured Inorganic Materials at Work in Electrochemical Sensing and Biofuel Cells. *Catalysts*, **2017**, 7, 31	4	19
28	Surfactant- and Binder-Free Hierarchical Platinum Nanoarrays Directly Grown onto a Carbon Felt Electrode for Efficient Electrocatalysis. *ACS Applied Materials & Interfaces*, **2017**, 9, 22476-22489	9.5	18
27	Probing Structure Modification of Palladium Nanomaterials during Chemical Synthesis by using In Situ X-ray Diffraction: Electrochemical Properties. *ChemElectroChem*, **2015**, 2, 592-599	4.3	18
26	Rational Combination of Promiscuous Enzymes Yields a Versatile Enzymatic Fuel Cell with Improved Coulombic Efficiency. *Journal of the Electrochemical Society*, **2017**, 164, H3073-H3082	3.9	16
25	Electrocatalytic and Electroanalytic Investigation of Carbohydrates Oxidation on Gold-Based Nanocatalysts in Alkaline and Neutral pHs. *Journal of the Electrochemical Society*, **2018**, 165, H425-H436	3.9	16
24	Optimization of Chitosan Film-Templated Biocathode for Enzymatic Oxygen Reduction in Glucose Hybrid Biofuel Cell. *Journal of the Electrochemical Society*, **2017**, 164, G29-G35	3.9	13
23	Electrochemical Behavior of Organics Oxidation on Palladium-Based Nanocatalysts Synthesized from Bromide Anion Exchange. *ECS Transactions*, **2014**, 58, 25-35	1	13
22	Electrochemical and Physicochemical Characterizations of Gold-Based Nanomaterials: Correlation between Surface Composition and Electrocatalytic Activity. *Journal of the Electrochemical Society*, **2015**, 162, H929-H937	3.9	12
21	Enhanced electrocatalytic activity and selectivity of glycerol oxidation triggered by nanoalloyed silver–gold nanocages directly grown on gas diffusion electrodes. *Journal of Materials Chemistry A*, **2020**, 8, 8848-8856	13	11
20	Electrospun Carbon Fibers: Promising Electrode Material for Abiotic and Enzymatic Catalysis. *Journal of Physical Chemistry C*, **2015**, 119, 16724-16733	3.8	10
19	Insights from the Physicochemical and Electrochemical Screening of the Potentiality of the Chemically Synthesized Polyaniline. *Journal of the Electrochemical Society*, **2020**, 167, 066503	3.9	9
18	Electrochemical Measurement Methods and Characterization on the Cell Level **2018**, 175-214		7
17	Tartaric acid regulated the advanced synthesis of bismuth-based materials with tunable performance towards the electrocatalytic production of hydrogen peroxide. *Journal of Materials Chemistry A*, **2020**, 8, 18840-18855	13	7

16	Nanostructured Carbon-Nitrogen-Sulfur-Nickel Networks Derived From Polyaniline as Bifunctional Catalysts for Water Splitting. *Frontiers in Chemistry*, **2020**, 8, 385	5	5
15	Bare laser-synthesized palladium–gold alloy nanoparticles as efficient electrocatalysts for glucose oxidation for energy conversion applications. *Catalysis Science and Technology*, **2020**, 10, 7955-7964	5.5	5
14	Iridium and Ruthenium Modified Polyaniline Polymer Leads to Nanostructured Electrocatalysts with High Performance Regarding Water Splitting. *Polymers*, **2021**, 13,	4.5	5
13	Self-Supported Electrocatalysts Derived from Nickel-Cobalt Modified Polyaniline Polymer for H2-Evolution and O2-Evolution Reactions. *ChemCatChem*, **2020**, 12, 5789-5796	5.2	4
12	Platinum Nanoarrays Directly Grown onto a 3D-Carbon Felt Electrode as a Bifunctional Material for Garden Compost Microbial Fuel Cell. *Journal of the Electrochemical Society*, **2021**, 168, 025501	3.9	4
11	Fe-Modified Pd as an Effective Multifunctional Electrocatalyst for Catalytic Oxygen Reduction and Glycerol Oxidation Reactions in Alkaline Media. *ACS Applied Energy Materials*, **2021**, 4, 9944-9960	6.1	4
10	Advanced Surfactant-free Nanomaterials for Electrochemical Energy Conversion Systems: From Electrocatalysis to Bionanotechnology **2016**, 103-145		3
9	Efficient Design and Fabrication of Porous Metallic Electrocatalysts **2017**, 511-531		2
8	Bromide-Regulated Anisotropic Growth of Desert-Rose-Like Nanostructured Gold onto Carbon Fiber Electrodes as Freestanding Electrocatalysts. *ACS Applied Energy Materials*, **2020**, 3, 7560-7571	6.1	2
7	Selective Nanomaterials for Glucose-to-Gluconate Oxidation in an Electrochemical Energy Converter: Cogenerating Organic Electrosynthesis. *ECS Transactions*, **2017**, 77, 1547-1557	1	2
6	Unveiling the Pitfalls of Comparing Oxygen Reduction Reaction Kinetic Data for Pd-Based Electrocatalysts without the Experimental Conditions of the Current–Potential Curves. *ACS Energy Letters*,952-957	20.1	2
5	Electrochemical Reactivity at Free and Supported Gold Nanocatalysts Surface **2016**,		1
4	Electrochemical hydrogen generation technology: Challenges in electrodes materials for a sustainable energy. *Electrochemical Science Advances*,		1
3	New insights on the selective electroconversion of the cellulosic biomass-derived glucose at PtAu nanocatalysts in an anion exchange membrane fuel cell. *Journal of Electroanalytical Chemistry*, **2021**, 887, 115162	4.1	0
2	Glycerol electro-reforming in alkaline electrolysis cells for the simultaneous production of value-added chemicals and pure hydrogen – Mini-review. *Electrochemical Science Advances*,		
1	Electroanalytical Assessment of the Oxygen Permeability at the Gas-Solid-Liquid Interface in Polymer-based Materials for Lens Applications. *ChemElectroChem*, **2020**, 7, 4879-4888	4.3	