

Yaovi Holade

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	New insights on the selective electroconversion of the cellulosic biomass-derived glucose at PtAu nanocatalysts in an anion exchange membrane fuel cell. <i>Journal of Electroanalytical Chemistry</i> , 2021 , 887, 115162	4.1	0
50	Iridium and Ruthenium Modified Polyaniline Polymer Leads to Nanostructured Electrocatalysts with High Performance Regarding Water Splitting. <i>Polymers</i> , 2021 , 13,	4.5	5
49	Platinum Nanoarrays Directly Grown onto a 3D-Carbon Felt Electrode as a Bifunctional Material for Garden Compost Microbial Fuel Cell. <i>Journal of the Electrochemical Society</i> , 2021 , 168, 025501	3.9	4
48	Fe-Modified Pd as an Effective Multifunctional Electrocatalyst for Catalytic Oxygen Reduction and Glycerol Oxidation Reactions in Alkaline Media. <i>ACS Applied Energy Materials</i> , 2021 , 4, 9944-9960	6.1	4
47	Nanostructured Carbon-Nitrogen-Sulfur-Nickel Networks Derived From Polyaniline as Bifunctional Catalysts for Water Splitting. <i>Frontiers in Chemistry</i> , 2020 , 8, 385	5	5
46	Insights from the Physicochemical and Electrochemical Screening of the Potentiality of the Chemically Synthesized Polyaniline. <i>Journal of the Electrochemical Society</i> , 2020 , 167, 066503	3.9	9
45	Bromide-Regulated Anisotropic Growth of Desert-Rose-Like Nanostructured Gold onto Carbon Fiber Electrodes as Freestanding Electrocatalysts. <i>ACS Applied Energy Materials</i> , 2020 , 3, 7560-7571	6.1	2
44	Recent advances in the electrooxidation of biomass-based organic molecules for energy, chemicals and hydrogen production. <i>Catalysis Science and Technology</i> , 2020 , 10, 3071-3112	5.5	22
43	Enhanced electrocatalytic activity and selectivity of glycerol oxidation triggered by nanoalloyed silver-gold nanocages directly grown on gas diffusion electrodes. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 8848-8856	13	11
42	Electroanalytical Assessment of the Oxygen Permeability at the Gas-Solid-Liquid Interface in Polymer-based Materials for Lens Applications. <i>ChemElectroChem</i> , 2020 , 7, 4879-4888	4.3	
41	Self-Supported Electrocatalysts Derived from Nickel-Cobalt Modified Polyaniline Polymer for H ₂ -Evolution and O ₂ -Evolution Reactions. <i>ChemCatChem</i> , 2020 , 12, 5789-5796	5.2	4
40	Bare laser-synthesized palladium-gold alloy nanoparticles as efficient electrocatalysts for glucose oxidation for energy conversion applications. <i>Catalysis Science and Technology</i> , 2020 , 10, 7955-7964	5.5	5
39	Tartaric acid regulated the advanced synthesis of bismuth-based materials with tunable performance towards the electrocatalytic production of hydrogen peroxide. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 18840-18855	13	7
38	Enhanced electrocatalytic performance triggered by atomically bridged boron nitride between palladium nanoparticles and carbon fibers in gas-diffusion electrodes. <i>Applied Catalysis B: Environmental</i> , 2019 , 257, 117917	21.8	33
37	Enhanced Catalytic Glycerol Oxidation Activity Enabled by Activated-Carbon-Supported Palladium Catalysts Prepared through Atomic Layer Deposition. <i>ChemElectroChem</i> , 2018 , 5, 743-747	4.3	23
36	Electrochemical Measurement Methods and Characterization on the Cell Level 2018 , 175-214		7
35	Electrocatalytic and Electroanalytical Investigation of Carbohydrates Oxidation on Gold-Based Nanocatalysts in Alkaline and Neutral pHs. <i>Journal of the Electrochemical Society</i> , 2018 , 165, H425-H436	3.9	16

34	Surfactant- and Binder-Free Hierarchical Platinum Nanoarrays Directly Grown onto a Carbon Felt Electrode for Efficient Electrocatalysis. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 22476-22489	9.5	18
33	Improving the Performance of Methanol Biofuel Cells Utilizing an Enzyme Cascade Bioanode with DNA-Bridged Substrate Channeling. <i>ACS Energy Letters</i> , 2017 , 2, 1435-1438	20.1	21
32	Efficient Design and Fabrication of Porous Metallic Electrocatalysts 2017 , 511-531		2
31	Rational Combination of Promiscuous Enzymes Yields a Versatile Enzymatic Fuel Cell with Improved Coulombic Efficiency. <i>Journal of the Electrochemical Society</i> , 2017 , 164, H3073-H3082	3.9	16
30	Optimization of Chitosan Film-Templated Biocathode for Enzymatic Oxygen Reduction in Glucose Hybrid Biofuel Cell. <i>Journal of the Electrochemical Society</i> , 2017 , 164, G29-G35	3.9	13
29	Nanostructured Inorganic Materials at Work in Electrochemical Sensing and Biofuel Cells. <i>Catalysts</i> , 2017 , 7, 31	4	19
28	Selective Nanomaterials for Glucose-to-Gluconate Oxidation in an Electrochemical Energy Converter: Cogenerating Organic Electrosynthesis. <i>ECS Transactions</i> , 2017 , 77, 1547-1557	1	2
27	Advances in Electrocatalysis for Energy Conversion and Synthesis of Organic Molecules. <i>ChemPhysChem</i> , 2017 , 18, 2573-2605	3.2	30
26	Halide-regulated growth of electrocatalytic metal nanoparticles directly onto a carbon paper electrode. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 17154-17162	13	26
25	Highly Selective Oxidation of Carbohydrates in an Efficient Electrochemical Energy Converter: Cogenerating Organic Electrosynthesis. <i>ChemSusChem</i> , 2016 , 9, 252-63	8.3	33
24	High impact of the reducing agent on palladium nanomaterials: new insights from X-ray photoelectron spectroscopy and oxygen reduction reaction. <i>RSC Advances</i> , 2016 , 6, 12627-12637	3.7	39
23	DNA Redox Hydrogels: Improving Mediated Enzymatic Bioelectrocatalysis. <i>ACS Catalysis</i> , 2016 , 6, 2603-2607		29
22	Electrochemical Reactivity at Free and Supported Gold Nanocatalysts Surface 2016 ,		1
21	One-pot synthesis of reduced graphene oxide supported gold-based nanomaterials as robust nanocatalysts for glucose electrooxidation. <i>Electrochimica Acta</i> , 2016 , 212, 864-875	6.7	49
20	Advanced Surfactant-free Nanomaterials for Electrochemical Energy Conversion Systems: From Electrocatalysis to Bionanotechnology 2016 , 103-145		3
19	Facile synthesis of highly active and durable PdM/C (M = Fe, Mn) nanocatalysts for the oxygen reduction reaction in an alkaline medium. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 8337-8349	13	36
18	Electrospun Carbon Fibers: Promising Electrode Material for Abiotic and Enzymatic Catalysis. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 16724-16733	3.8	10
17	Electrocatalytic properties of nanomaterials synthesized from Bromide Anion Exchange method - Investigations of glucose and glycerol oxidation. <i>Electrochimica Acta</i> , 2015 , 162, 205-214	6.7	31

16	Advanced Electrocatalysts on the Basis of Bare Au Nanomaterials for Biofuel Cell Applications. <i>ACS Catalysis</i> , 2015 , 5, 6489-6496	13.1	63
15	Electrochemical and Physicochemical Characterizations of Gold-Based Nanomaterials: Correlation between Surface Composition and Electrocatalytic Activity. <i>Journal of the Electrochemical Society</i> , 2015 , 162, H929-H937	3.9	12
14	Wireless Information Transmission System Powered by an Abiotic Biofuel Cell Implanted in an Orange. <i>Electroanalysis</i> , 2015 , 27, 276-280	3	19
13	Recent Advances in Carbon Supported Metal Nanoparticles Preparation for Oxygen Reduction Reaction in Low Temperature Fuel Cells. <i>Catalysts</i> , 2015 , 5, 310-348	4	73
12	 Core-Shell Mesoporous Nanoballs and Nanoparticles as Efficient Electrocatalysts toward Formic Acid and Glucose Oxidation. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 27529-27539	3.8	36
11	Probing Structure Modification of Palladium Nanomaterials during Chemical Synthesis by using In Situ X-ray Diffraction: Electrochemical Properties. <i>ChemElectroChem</i> , 2015 , 2, 592-599	4.3	18
10	Insights on Hybrid Glucose Biofuel Cells Based on Bilirubin Oxidase Cathode and Gold-Based Anode Nanomaterials. <i>ChemElectroChem</i> , 2014 , 1, 1976-1987	4.3	21
9	Electrochemical Behavior of Organics Oxidation on Palladium-Based Nanocatalysts Synthesized from Bromide Anion Exchange. <i>ECS Transactions</i> , 2014 , 58, 25-35	1	13
8	Kinetic model for a threshold filter in an enzymatic system for bioanalytical and biocomputing applications. <i>Journal of Physical Chemistry B</i> , 2014 , 118, 12435-43	3.4	23
7	Pacemaker Activated by an Abiotic Biofuel Cell Operated in Human Serum Solution. <i>Electroanalysis</i> , 2014 , 26, 2445-2457	3	46
6	Enhancing the available specific surface area of carbon supports to boost the electroactivity of nanostructured Pt catalysts. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 25609-20	3.6	55
5	New Preparation of PdNi/C and PdAg/C Nanocatalysts for Glycerol Electrooxidation in Alkaline Medium. <i>Electrocatalysis</i> , 2013 , 4, 167-178	2.7	77
4	Toward the Electrochemical Valorization of Glycerol: Fourier Transform Infrared Spectroscopic and Chromatographic Studies. <i>ACS Catalysis</i> , 2013 , 3, 2403-2411	13.1	96
3	Unveiling the Pitfalls of Comparing Oxygen Reduction Reaction Kinetic Data for Pd-Based Electrocatalysts without the Experimental Conditions of the Current-Potential Curves. <i>ACS Energy Letters</i> , 2013 , 4, 952-957	20.1	2
2	Glycerol electro-reforming in alkaline electrolysis cells for the simultaneous production of value-added chemicals and pure hydrogen [Mini-review]. <i>Electrochemical Science Advances</i> , 2013 , 1, 1-10	1	1
1	Electrochemical hydrogen generation technology: Challenges in electrodes materials for a sustainable energy. <i>Electrochemical Science Advances</i> , 2013 , 1, 1-10	1	1