Ibrahim Sadiek

List of Publications by Year
in descending order

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40 papers	865 citations	430442 18 h-index	476904 29 g-index
42 all docs	42 docs citations	42 times ranked	1226 citing authors

#	Article	IF	Citations
1	Electrocatalytic activity of nickel oxide nanoparticles-modified electrodes: Optimization of the loading level and operating pH towards the oxygen evolution reaction. International Journal of Hydrogen Energy, 2012, 37, 68-77.	3.8	92
2	Electrocatalysis by design: Enhanced electrooxidation of formic acid at platinum nanoparticlesâ€“nickel oxide nanoparticles binary catalysts. Electrochimica Acta, 2013, 94, 62-71.	2.6	67
3	Optical frequency comb photoacoustic spectroscopy. Physical Chemistry Chemical Physics, 2018, 20, 27849-27855.	1.3	48
4	Enhanced electrocatalytic activity and stability of platinum, gold, and nickel oxide nanoparticles-based ternary catalyst for formic acid electro-oxidation. International Journal of Hydrogen Energy, 2014, 39, 11955-11962.	3.8	46
5	A promising N-doped carbon-metal oxide hybrid electrocatalyst derived from crustaceanâ€™s shells: Oxygen reduction and oxygen evolution. Applied Catalysis B: Environmental, 2017, 214, 137-147.	10.8	45
6	Propitious Dendritic Cu₂Oâ€“Pt Nanostructured Anodes for Direct Formic Acid Fuel Cells. ACS Applied Materials & Interfaces, 2017, 9, 19766-19772.	4.0	39
7	Acrylonitrile-contamination induced enhancement of formic acid electro-oxidation at platinum nanoparticles modified glassy carbon electrodes. Journal of Power Sources, 2014, 265, 57-61.	4.0	34
8	One-pot synthesis of a high performance chitosan-nickel oxyhydroxide nanocomposite for glucose fuel cell and electro-sensing applications. Applied Catalysis B: Environmental, 2017, 204, 185-199.	10.8	33
9	Efficient direct formic acid fuel cell (DFAFC) anode of nano-sized palladium complex: High durability and activity origin. Applied Catalysis B: Environmental, 2017, 213, 118-126.	10.8	32
10	Impurities Contributing to Catalysis: Enhanced Electro-Oxidation of Formic Acid at Pt/GC Electrodes in the Presence of Vinyl Acetate. Journal of Physical Chemistry C, 2014, 118, 22457-22464.	1.5	28
11	Fuel blends: Enhanced electro-oxidation of formic acid in its blend with methanol at platinum nanoparticles modified glassy carbon electrodes. Journal of Power Sources, 2015, 286, 504-509.	4.0	27
12	Comparison of Electrospun Carbonâ^'Carbon Composite and Commercial Felt for Their Activity and Electrolyte Utilization in Vanadium Redox Flow Batteries. ChemElectroChem, 2019, 6, 130-135.	1.7	27
13	Promoting Effect of Hydrocarbon Impurities on the Electro-Oxidation of Formic Acid at Pt Nanoparticles Modified GC Electrodes. Electrochimica Acta, 2015, 180, 268-279.	2.6	23
14	Enhanced electrolytic generation of oxygen gas at binary nickel oxideâ€“cobalt oxide nanoparticle-modified electrodes. Journal of Solid State Electrochemistry, 2013, 17, 871-879.	1.2	22
15	Facile Synthesis of Hierarchical CuS and CuCo₂S₄ Structures from an Ionic Liquid Precursor for Electrocatalysis Applications. ACS Applied Materials & Interfaces, 2020, 12, 52560-52570.	4.0	20
16	Efficient 3D-Silver Flower-like Microstructures for Non-Enzymatic Hydrogen Peroxide (H2O2) ÂAmperometricÂDetection. Scientific Reports, 2017, 7, 12181.	1.6	19
17	Efficient Direct Formic Acid Fuel Cells (DFAFCs) Anode Derived from Seafood waste: Migration Mechanism. Scientific Reports, 2017, 7, 17818.	1.6	19
18	Tailorâ€Designed Porous Catalysts: Nickelâ€Doped Cu/Cu₂O Foams for Efficient Glycerol Electroâ€Oxidation. ChemElectroChem, 2020, 7, 951-958.	1.7	19

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19	Saturation dynamics and working limits of saturated absorption cavity ringdown spectroscopy. Physical Chemistry Chemical Physics, 2016, 18, 22978-22989.	1.3	18
20	Silverâ€“Iron Hierarchical Microflowers for Highly Efficient H₂O₂ Nonenzymatic Amperometric Detection. ACS Sustainable Chemistry and Engineering, 2019, 7, 4335-4342.	3.2	18
21	Conformal Solution Deposition of Pt-Pd Titania Nanocomposite Coatings for Light-Assisted Formic Acid Electro-Oxidation. ACS Applied Materials & Interfaces, 2019, 11, 43081-43092.	4.0	17
22	A novel nano-palladium complex anode for formic acid electro-oxidation. Electrochimica Acta, 2016, 215, 334-338.	2.6	16
23	Novel fuel blends facilitating the electro-oxidation of formic acid at a nano-Pt/GC electrode. RSC Advances, 2016, 6, 29099-29105.	1.7	13
24	Hierarchically structured iron-doped silver (Agâ€“Fe) lotus flowers for an efficient oxygen reduction reaction. Nanoscale, 2018, 10, 7304-7310.	2.8	12
25	Quantitative Mid-Infrared Cavity Ringdown Detection of Methyl Iodide for Monitoring Applications. Analytical Chemistry, 2017, 89, 8445-8452.	3.2	11
26	Line positions and intensities of the Î½4 band of methyl iodide using mid-infrared optical frequency comb Fourier transform spectroscopy. Journal of Quantitative Spectroscopy and Radiative Transfer, 2020, 255, 107263.	1.1	11
27	Tailored dendritic platinum nanostructures as a robust and efficient direct formic acid fuel cell anode. New Journal of Chemistry, 2019, 43, 4100-4105.	1.4	10
28	Enhanced electrooxidation of glucose at nano-chitosanâ€“NiOOH modified GC electrode: fuel blends and hydrocarbon impurities. Physical Chemistry Chemical Physics, 2017, 19, 2537-2548.	1.3	8
29	Platinum Nanostructure Tailoring for Fuel Cell Applications Using Levitated Water Droplets as Green Chemical Reactors. ACS Applied Materials & Interfaces, 2019, 11, 22398-22407.	4.0	7
30	Doppler-limited high-resolution spectrum and VPT2 assisted assignment of the C-H stretch of CH2Br2. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 181, 180-191.	2.0	6
31	Hybrid Electrospun Nanofibers as Electrocatalyst for Vanadium Redox Flow Batteries: Theory and Experiment. ChemElectroChem, 2021, 8, 218-226.	1.7	6
32	Comparison of Electrospun Carbonâ^'Carbon Composite and Commercial Felt for Their Activity and Electrolyte Utilization in Vanadium Redox Flow Batteries. ChemElectroChem, 2019, 6, 6-6.	1.7	5
33	Ab Initio and RRKM/Master Equation Analysis of the Photolysis and Thermal Unimolecular Decomposition of Bromoacetaldehyde. Journal of Physical Chemistry A, 2021, 125, 8282-8293.	1.1	1
34	Impurityâ€Induced Electrocatalysis: Unpredicted Enhancement Effect of Ammonia Impurity Towards Formic Acid Electroâ€Oxidation. ChemistrySelect, 2016, 1, 5706-5711.	0.7	0
35	Optical Frequency Comb Photoacoustic Spectroscopy. , 2019, , .		0
36	High-Resolution Measurements of Halogenated Volatile Organic Compounds Using Frequency Comb Fourier Transform Spectroscopy. , 2021, , .		0

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37	Optical Frequency Comb Photoacoustic Spectroscopy. , 2019, , .		0
38	Mid-Infrared Comb-Based Fourier Transform Spectroscopy of Halogenated Volatile Organic Compounds. , 2020, , .		0
39	Towards a Transferable Standard for Nitrous Oxide Isotopomer Ratio. , 2020, , .		0
40	Fourier Transform Spectroscopy Using Difference Frequency Generation Comb Sources at 3.3 Âµm and 7.8 Âµm. , 2021, , .		0