

Ibrahim Sadiek

List of Publications by Year in descending order

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40
papers

865
citations

430754

18
h-index

477173

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42
docs citations

42
times ranked

1226
citing authors

#	ARTICLE	IF	CITATIONS
1	Hybrid Electrospun Nanofibers as Electrocatalyst for Vanadium Redox Flow Batteries: Theory and Experiment. ChemElectroChem, 2021, 8, 218-226.	1.7	6
2	High-Resolution Measurements of Halogenated Volatile Organic Compounds Using Frequency Comb Fourier Transform Spectroscopy. , 2021, , .		0
3	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
4	Fourier Transform Spectroscopy Using Difference Frequency Generation Comb Sources at 3.3 μm and 7.8 μm . , 2021, , .		0
5	Line positions and intensities of the $\hat{1}/24$ 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
6	Facile Synthesis of Hierarchical CuS and CuCo ₂ S ₄ Structures from an Ionic Liquid Precursor for Electrocatalysis Applications. ACS Applied Materials & Interfaces, 2020, 12, 52560-52570.	4.0	20
7	Tailorê€Designed Porous Catalysts: Nickelê€Doped Cu/Cu ₂ O Foams for Efficient Glycerol Electroê€Oxidation. ChemElectroChem, 2020, 7, 951-958.	1.7	19
8	Mid-Infrared Comb-Based Fourier Transform Spectroscopy of Halogenated Volatile Organic Compounds. , 2020, , .		0
9	Towards a Transferable Standard for Nitrous Oxide Isotopomer Ratio. , 2020, , .		0
10	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
11	Optical Frequency Comb Photoacoustic Spectroscopy. , 2019, , .		0
12	Silverê€Iron Hierarchical Microflowers for Highly Efficient H ₂ O ₂ Nonenzymatic Amperometric Detection. ACS Sustainable Chemistry and Engineering, 2019, 7, 4335-4342.	3.2	18
13	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
14	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
15	Comparison of Electrospun Carbonê€Carbon Composite and Commercial Felt for Their Activity and Electrolyte Utilization in Vanadium Redox Flow Batteries. ChemElectroChem, 2019, 6, 130-135.	1.7	27
16	Comparison of Electrospun Carbonê€Carbon Composite and Commercial Felt for Their Activity and Electrolyte Utilization in Vanadium Redox Flow Batteries. ChemElectroChem, 2019, 6, 6-6.	1.7	5
17	Optical Frequency Comb Photoacoustic Spectroscopy. , 2019, , .		0
18	Hierarchically structured iron-doped silver (Agê€Fe) lotus flowers for an efficient oxygen reduction reaction. Nanoscale, 2018, 10, 7304-7310.	2.8	12

#	ARTICLE	IF	CITATIONS
19	Optical frequency comb photoacoustic spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 27849-27855.	1.3	48
20	A promising N-doped carbon-metal oxide hybrid electrocatalyst derived from crustaceanâ€™s shells: Oxygen reduction and oxygen evolution. <i>Applied Catalysis B: Environmental</i> , 2017, 214, 137-147.	10.8	45
21	Efficient direct formic acid fuel cell (DFAFC) anode of nano-sized palladium complex: High durability and activity origin. <i>Applied Catalysis B: Environmental</i> , 2017, 213, 118-126.	10.8	32
22	Propitious Dendritic Cu ₂ Oâ€™Pt Nanostructured Anodes for Direct Formic Acid Fuel Cells. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 19766-19772.	4.0	39
23	Doppler-limited high-resolution spectrum and VPT2 assisted assignment of the C-H stretch of CH ₂ Br ₂ . <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 181, 180-191.	2.0	6
24	Enhanced electrooxidation of glucose at nano-chitosanâ€™NiOOH modified GC electrode: fuel blends and hydrocarbon impurities. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 2537-2548.	1.3	8
25	Efficient 3D-Silver Flower-like Microstructures for Non-Enzymatic Hydrogen Peroxide (H ₂ O ₂) Amperometric Detection. <i>Scientific Reports</i> , 2017, 7, 12181.	1.6	19
26	Quantitative Mid-Infrared Cavity Ringdown Detection of Methyl Iodide for Monitoring Applications. <i>Analytical Chemistry</i> , 2017, 89, 8445-8452.	3.2	11
27	One-pot synthesis of a high performance chitosan-nickel oxyhydroxide nanocomposite for glucose fuel cell and electro-sensing applications. <i>Applied Catalysis B: Environmental</i> , 2017, 204, 185-199.	10.8	33
28	Efficient Direct Formic Acid Fuel Cells (DFAFCs) Anode Derived from Seafood waste: Migration Mechanism. <i>Scientific Reports</i> , 2017, 7, 17818.	1.6	19
29	Saturation dynamics and working limits of saturated absorption cavity ringdown spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 22978-22989.	1.3	18
30	A novel nano-palladium complex anode for formic acid electro-oxidation. <i>Electrochimica Acta</i> , 2016, 215, 334-338.	2.6	16
31	Impurityâ€™induced Electrocatalysis: Unpredicted Enhancement Effect of Ammonia Impurity Towards Formic Acid Electroâ€™Oxidation. <i>ChemistrySelect</i> , 2016, 1, 5706-5711.	0.7	0
32	Novel fuel blends facilitating the electro-oxidation of formic acid at a nano-Pt/GC electrode. <i>RSC Advances</i> , 2016, 6, 29099-29105.	1.7	13
33	Fuel blends: Enhanced electro-oxidation of formic acid in its blend with methanol at platinum nanoparticles modified glassy carbon electrodes. <i>Journal of Power Sources</i> , 2015, 286, 504-509.	4.0	27
34	Promoting Effect of Hydrocarbon Impurities on the Electro-Oxidation of Formic Acid at Pt Nanoparticles Modified GC Electrodes. <i>Electrochimica Acta</i> , 2015, 180, 268-279.	2.6	23
35	Impurities Contributing to Catalysis: Enhanced Electro-Oxidation of Formic Acid at Pt/GC Electrodes in the Presence of Vinyl Acetate. <i>Journal of Physical Chemistry C</i> , 2014, 118, 22457-22464.	1.5	28
36	Enhanced electrocatalytic activity and stability of platinum, gold, and nickel oxide nanoparticles-based ternary catalyst for formic acid electro-oxidation. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 11955-11962.	3.8	46

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37	Acrylonitrile-contamination induced enhancement of formic acid electro-oxidation at platinum nanoparticles modified glassy carbon electrodes. <i>Journal of Power Sources</i> , 2014, 265, 57-61.	4.0	34
38	Enhanced electrolytic generation of oxygen gas at binary nickel oxide-cobalt oxide nanoparticle-modified electrodes. <i>Journal of Solid State Electrochemistry</i> , 2013, 17, 871-879.	1.2	22
39	Electrocatalysis by design: Enhanced electrooxidation of formic acid at platinum nanoparticles-nickel oxide nanoparticles binary catalysts. <i>Electrochimica Acta</i> , 2013, 94, 62-71.	2.6	67
40	Electrocatalytic activity of nickel oxide nanoparticles-modified electrodes: Optimization of the loading level and operating pH towards the oxygen evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 68-77.	3.8	92