

Sreya Roy Chowdhury

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Mixed Spinel Ni ²⁺ /Co Oxides: An Efficient Bifunctional Oxygen Electrocatalyst for Sustainable Energy Application. ACS Applied Energy Materials, 2022, 5, 4421-4430.	5.1	12
2	CuCo ₂ S ₄ @B,N-Doped Reduced Graphene Oxide Hybrid as a Bifunctional Electrocatalyst for Oxygen Reduction and Evolution Reactions. ACS Omega, 2022, 7, 19183-19192.	3.5	12
3	Visible light assisted photo-electrocatalytic oxidation of methanol using low Pt content NiO-rutile TiO ₂ ternary heterojunction. Applied Surface Science, 2021, 541, 148450.	6.1	9
4	A Highly Sensitive Nonenzymatic Glucose Sensor Based on Carbon Electrode Amplified with Pd x Cu y Catalyst. Electroanalysis, 2021, 33, 820-830.	2.9	3
5	Ternary Al ³⁺ /Mg ²⁺ /Ag alloy promoted palladium nanoparticles as potential catalyst for enhanced electro-oxidation of ethanol. International Journal of Hydrogen Energy, 2021, 46, 4036-4044.	7.1	8
6	Synergistic catalytic activity of palladium ⁰ -silver alloy nanoparticle for anodic oxidation of ethanol in alkali. International Journal of Hydrogen Energy, 2021, 46, 14212-14224.	7.1	9
7	Rotary-Jet spin assisted fabrication of MnO ₂ microfiber for supercapacitor electrode application. Materials Letters, 2020, 277, 128342.	2.6	8
8	Anode Catalytic Activity of Palladium ⁰ -Nickel Alloy Nanoparticles for Ethanol Oxidation in Alkali. ChemistrySelect, 2020, 5, 9848-9856.	1.5	10
9	Influence of phosphorus on the electrocatalytic activity of palladium nickel nanoalloy supported on N-doped reduced graphene oxide for ethanol oxidation reaction. Electrochimica Acta, 2020, 342, 136028.	5.2	41
10	Significantly improved and synergistic effect of Pt ⁰ -Zn ⁰ -Bi ₂ O ₃ ternary hetero-junctions toward anode-catalytic oxidation of methanol in alkali. Electrochimica Acta, 2019, 322, 134775.	5.2	16
11	Room temperature synthesis of PdxNi _{100-x} nanoalloy: superior catalyst for electro-oxidation of methanol and ethanol. Journal of Applied Electrochemistry, 2019, 49, 681-691.	2.9	7
12	Electrochemical Energy Storage Properties of Ni-Mn-Oxide Electrodes for Advance Asymmetric Supercapacitor Application. Langmuir, 2019, 35, 8257-8267.	3.5	44
13	Enhanced Electro-catalytic Activity of Nitrogen-doped Reduced Graphene Oxide Supported PdCu Nanoparticles for Formic Acid Electro-oxidation. International Journal of Hydrogen Energy, 2019, 44, 14808-14819.	7.1	49
14	Room temperature synthesis of polyvinyl alcohol stabilized palladium nanoparticles: Solvent effect on shape and electro-catalytic activity. Nano Structures Nano Objects, 2018, 14, 11-18.	3.5	12
15	Enhanced and Synergistic Catalysis of Green Synthesized Pd-Ag Alloy Nanoparticles for Anodic Oxidation of Propan-2-ol in Alkali. Materials Today: Proceedings, 2018, 5, 2171-2178.	1.8	3
16	Green synthesis and characterization of polyvinyl alcohol stabilized palladium nanoparticles: effect of solvent on diameter and catalytic activity. Advances in Natural Sciences: Nanoscience and Nanotechnology, 2017, 8, 025002.	1.5	11
17	Improved Catalysis of Green-Synthesized Pd-Ag Alloy-Nanoparticles for Anodic Oxidation of Methanol in Alkali. Electrochimica Acta, 2017, 225, 310-321.	5.2	63
18	Kinetic parameters of anodic oxidation of methanol in alkali: Effect of diameter of Pd nano-catalyst, composition of electrode and solution and mechanism of the reaction. International Journal of Hydrogen Energy, 2017, 42, 21263-21278.	7.1	16

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19	ENHANCED AND SYNERGISTIC CATALYSIS OF ONE-POT SYNTHESIZED PALLADIUM-NICKEL ALLOY NANOPARTICLES FOR ANODIC OXIDATION OF METHANOL IN ALKALI. <i>Electrochimica Acta</i> , 2017, 250, 124-134.	5.2	27
20	Palladium and palladium-copper alloy nano particles as superior catalyst for electrochemical oxidation of methanol for fuel cell applications. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 17072-17083.	7.1	58
21	Improved and synergistic catalysis of single-pot-synthesized Pt-Ni alloy nanoparticles for anodic oxidation of methanol in alkali. <i>RSC Advances</i> , 2016, 6, 92490-92501.	3.6	15