

Randa Abdel Hameed

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

2,130
citations

236612

25
h-index

223531

46
g-index

50
all docs

50
docs citations

50
times ranked

2374
citing authors

#	ARTICLE	IF	CITATIONS
1	Facile synthesis of electrospun transition metallic nanofibrous mats with outstanding activity for ethylene glycol electro-oxidation in alkaline solution. <i>Molecular Catalysis</i> , 2022, 522, 112186.	1.0	8
2	Tungsten carbide@graphene nanoflakes: Preparation, characterization and electrochemical activity for capacitive deionization technology. <i>Journal of Colloid and Interface Science</i> , 2021, 581, 112-125.	5.0	16
3	Enhanced electro-adsorption desalination performance of graphene by TiC. <i>Separation and Purification Technology</i> , 2021, 254, 117602.	3.9	15
4	Decorated carbon nanofibers with mixed nickel~manganese carbides for methanol electro-oxidation in alkaline solution. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 6494-6512.	3.8	27
5	Fabrication of electrospun nickel sulphide nanoparticles onto carbon nanofibers for efficient urea electro-oxidation in alkaline medium. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 12944-12960.	3.8	12
6	Insights on the role of supporting electrospun carbon nanofibers with binary metallic carbides for enhancing their capacitive deionization performance. <i>Journal of Materials Research and Technology</i> , 2021, 15, 3795-3806.	2.6	5
7	Tin oxide as a promoter for copper@palladium nanoparticles on graphene sheets during ethanol electro-oxidation in NaOH solution. <i>Journal of Molecular Liquids</i> , 2020, 297, 111816.	2.3	8
8	Synthesis and characterization of WC@GNFs as an efficient supercapacitor electrode material in acidic medium. <i>Ceramics International</i> , 2020, 46, 27437-27445.	2.3	18
9	Chemically modified screen~printed electrodes as efficient potentiometric sensors for cyclobenzaprine hydrochloride determination in pure and pharmaceutical preparations. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5439.	1.7	1
10	Nickel Oxide Nanoparticles Supported on Graphitized Carbon for Ethanol Oxidation in NaOH Solution. <i>Journal of Cluster Science</i> , 2019, 30, 1003-1016.	1.7	3
11	Influence of incorporating manganese in Pt/C on its electrochemical performance towards pseudoephedrine HCl assaying. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 570, 11-21.	2.3	1
12	Preparation, characterization and electrochemical application of CuNiO nanoparticles supported on graphite for potentiometric determination of copper ions in spiked water samples. <i>Microchemical Journal</i> , 2019, 144, 110-116.	2.3	20
13	Improved electrocatalytic kinetics of nickel hydroxide nanoparticles on Vulcan XC-72R carbon black towards alkaline urea oxidation reaction. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 3636-3648.	3.8	36
14	Core-shell structured Pt-transition metals nanoparticles supported on activated carbon for direct methanol fuel cells. <i>Microchemical Journal</i> , 2019, 145, 566-577.	2.3	9
15	Preparation, characterization and electrocatalytic activity of transition metal @ platinum on carbon support for alkaline ethanol electro-oxidation. <i>Journal of Porous Materials</i> , 2019, 26, 971-986.	1.3	6
16	Tin oxide species as promotive additives to Ni-P/C electrocatalysts for ethanol electro-oxidation in NaOH solution. <i>Microchemical Journal</i> , 2019, 146, 250-257.	2.3	4
17	Construction of core-shell structured nickel@platinum nanoparticles on graphene sheets for electrochemical determination of nitrite in drinking water samples. <i>Microchemical Journal</i> , 2019, 145, 354-366.	2.3	31
18	Evaluation of core-shell structured cobalt@platinum nanoparticles-decorated graphene for nitrite sensing. <i>Synthetic Metals</i> , 2019, 247, 67-80.	2.1	19

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19	CoCr 7 C 3-like nanorods embedded on carbon nanofibers as effective electrocatalyst for methanol electro-oxidation. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 9943-9953.	3.8	18
20	Influence of support material on the electrocatalytic activity of nickel oxide nanoparticles for urea electro-oxidation reaction. <i>Journal of Colloid and Interface Science</i> , 2018, 513, 536-548.	5.0	61
21	Nickel oxide nanoparticles grown on mesoporous carbon as an efficient electrocatalyst for urea electro-oxidation. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 20591-20606.	3.8	29
22	Sensitive nitrite detection at core-shell structured Cu@Pt nanoparticles supported on graphene. <i>Applied Surface Science</i> , 2018, 458, 252-263.	3.1	35
23	Core-shell structured Cu@Pt nanoparticles as effective electrocatalyst for ethanol oxidation in alkaline medium. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 14680-14696.	3.8	24
24	Effect of nickel loading in Ni@Pt/C electrocatalysts on their activity for ethanol oxidation in alkaline medium. <i>Electrochimica Acta</i> , 2017, 242, 187-201.	2.6	32
25	Enhanced ethanol electro-oxidation reaction on carbon supported Pd-metal oxide electrocatalysts. <i>Journal of Colloid and Interface Science</i> , 2017, 505, 230-240.	5.0	31
26	Facile preparation of Pd-metal oxide/C electrocatalysts and their application in the electrocatalytic oxidation of ethanol. <i>Applied Surface Science</i> , 2017, 411, 91-104.	3.1	35
27	NiO nanoparticles on graphene nanosheets at different calcination temperatures as effective electrocatalysts for urea electro-oxidation in alkaline medium. <i>Journal of Colloid and Interface Science</i> , 2017, 508, 291-302.	5.0	59
28	Enhanced electrocatalytic activity of NiO nanoparticles supported on graphite planes towards urea electro-oxidation in NaOH solution. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 24117-24130.	3.8	56
29	Preparation and characterization of Pt@CeO ₂ /C and Pt@TiO ₂ /C electrocatalysts with improved electrocatalytic activity for methanol oxidation. <i>Applied Surface Science</i> , 2016, 367, 382-390.	3.1	28
30	Electrocatalytic activity of Pt@ZrO ₂ supported on different carbon materials for methanol oxidation in H ₂ SO ₄ solution. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 1846-1858.	3.8	18
31	Development of electroless Ni@P modified aluminum substrates in a simulated fuel cell environment. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 30, 239-248.	2.9	18
32	Ni@P@SnO ₂ /C composite: Synthesis, characterization and electrocatalytic activity for methanol oxidation in KOH solution. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 10262-10273.	3.8	16
33	Promotion effect of manganese oxide on the electrocatalytic activity of Pt/C for methanol oxidation in acid medium. <i>Applied Surface Science</i> , 2015, 359, 651-663.	3.1	26
34	Optimization of manganese oxide amount on Vulcan XC-72R carbon black as a promising support of Ni nanoparticles for methanol electro-oxidation reaction. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 13979-13993.	3.8	22
35	Microwave irradiated Ni@MnO ₂ /C as an electrocatalyst for methanol oxidation in KOH solution for fuel cell application. <i>Applied Surface Science</i> , 2015, 357, 417-428.	3.1	18
36	Microwave irradiated nickel nanoparticles on Vulcan XC-72R carbon black for methanol oxidation reaction in KOH solution. <i>Applied Catalysis B: Environmental</i> , 2015, 162, 217-226.	10.8	67

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37	Electrocatalytic activity of nanostructured Ni and Pd–Ni on Vulcan XC-72R carbon black for methanol oxidation in alkaline medium. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 2026-2041.	3.8	83
38	Microwave heated synthesis of carbon supported Pd, Ni and Pd–Ni nanoparticles for methanol oxidation in KOH solution. <i>Applied Catalysis B: Environmental</i> , 2014, 148-149, 557-567.	10.8	50
39	Ni–P and Ni–Mo–P modified aluminium alloy 6061 as bipolar plate material for proton exchange membrane fuel cells. <i>Journal of Power Sources</i> , 2013, 240, 589-597.	4.0	35
40	Amperometric glucose sensor based on nickel nanoparticles/carbon Vulcan XC-72R. <i>Biosensors and Bioelectronics</i> , 2013, 47, 248-257.	5.3	63
41	Effect of preparation conditions on the performance of nano Pt–CuO/C electrocatalysts for methanol electro-oxidation. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 18870-18881.	3.8	43
42	Study of different aluminum alloy substrates coated with Ni–Co–P as metallic bipolar plates for PEM fuel cell applications. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 10807-10817.	3.8	26
43	Ni–P and Ni–Co–P coated aluminum alloy 5251 substrates as metallic bipolar plates for PEM fuel cell applications. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 7677-7688.	3.8	56
44	Pt–NiO/C anode electrocatalysts for direct methanol fuel cells. <i>Electrochimica Acta</i> , 2012, 59, 499-508.	2.6	78
45	Synthesis of Pt–Co nanoparticles on multi-walled carbon nanotubes for methanol oxidation in H ₂ SO ₄ solution. <i>Applied Catalysis A: General</i> , 2011, 407, 195-203.	2.2	21
46	Development of Cu ₂ O/Carbon Vulcan XC-72 as non-enzymatic sensor for glucose determination. <i>Biosensors and Bioelectronics</i> , 2011, 26, 3542-3548.	5.3	141
47	Ni–P and Ni–Cu–P modified carbon catalysts for methanol electro-oxidation in KOH solution. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 2517-2529.	3.8	130
48	Electrochemical impedance studies of modified Ni–P and Ni–Cu–P deposits in alkaline medium. <i>Electrochimica Acta</i> , 2010, 55, 5922-5929.	2.6	50
49	Nickel as a catalyst for the electro-oxidation of methanol in alkaline medium. <i>Journal of Power Sources</i> , 2004, 134, 160-169.	4.0	487
50	The role of a bimetallic catalyst in enhancing the electro-catalytic activity towards methanol oxidation. <i>Journal of Power Sources</i> , 2004, 135, 42-51.	4.0	35