

Microwave heated polyol synthesis of carbon nanotube methanol electrooxidation

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Microwave polyol synthesis of Pt/CNTs catalysts: Effects of pH on particle size and electrocatalytic activity for methanol electrooxidation. <i>Carbon</i> , 2005, 43, 2168-2174.	5.4	198
2	Characterization of Pt Nanoparticles Deposited onto Carbon Nanotubes Grown on Carbon Paper and Evaluation of This Electrode for the Reduction of Oxygen. <i>Journal of Physical Chemistry B</i> , 2006, 110, 25916-25925.	1.2	99
3	Sea urchin shaped carbon nanostructured materials: carbon nanotubes immobilized on hollow carbon spheres. <i>Journal of Materials Chemistry</i> , 2006, 16, 2984.	6.7	46
4	Pt/onion-like fullerenes as catalyst for direct methanol fuel cell. <i>Rare Metals</i> , 2006, 25, 305-308.	3.6	20
5	Microwave-assisted chemical modification of carbon nanohorns: Oxidation and Pt deposition. <i>Chemical Physics Letters</i> , 2006, 433, 97-100.	1.2	40
6	Synthesis and Characterization of Carbon Nanoribbons as Electrocatalyst Supports for Direct Methanol Fuel Cells. <i>Chinese Journal of Catalysis</i> , 2006, 27, 708-712.	6.9	11
7	Novel ionic liquid supported synthesis of platinum-based electrocatalysts on multiwalled carbon nanotubes. <i>Electrochemistry Communications</i> , 2006, 8, 245-250.	2.3	51
8	Carbon fibers with cup-stacked-type structure: An advantageous support for Pt/Ru catalyst in methanol oxidation. <i>Journal of Power Sources</i> , 2006, 160, 997-1002.	4.0	23
9	Novel carbon supported hollow Pt nanospheres for methanol electrooxidation. <i>Journal of Power Sources</i> , 2006, 162, 168-172.	4.0	36
10	Progress in the synthesis of carbon nanotube- and nanofiber-supported Pt electrocatalysts for PEM fuel cell catalysis. <i>Journal of Applied Electrochemistry</i> , 2006, 36, 507-522.	1.5	383
11	Synthesis of highly dispersed Pt/C electrocatalysts in ethylene glycol using acetate stabilizer for methanol electrooxidation. <i>Journal of Applied Electrochemistry</i> , 2006, 36, 1021-1025.	1.5	14
12	Performance of direct methanol fuel cell using carbon nanotube-supported Pt/Ru anode catalyst with controlled composition. <i>Journal of Power Sources</i> , 2006, 160, 97-104.	4.0	90
13	Preparation of Pt nanoparticles on carbon nanotubes by hydrothermal method. <i>Energy Conversion and Management</i> , 2006, 47, 3235-3240.	4.4	26
14	Effective preparation of carbon nanotube-supported Pt/Ru electrocatalysts. <i>Materials Chemistry and Physics</i> , 2006, 99, 80-87.	2.0	103
15	A novel carbon supported PtAuFe as CO-tolerant anode catalyst for proton exchange membrane fuel cells. <i>Catalysis Communications</i> , 2007, 8, 921-925.	1.6	16
16	The effect of plasma pre-treatment of carbon used as a Pt catalyst support for methanol electrooxidation. <i>Carbon</i> , 2007, 45, 41-46.	5.4	32
17	Electrocatalytic properties of platinum on hard carbon spherules derived from deoiled asphalt for methanol oxidation. <i>Catalysis Today</i> , 2007, 125, 169-172.	2.2	7
18	Synthesis of Pr(OH) ₃ and Pr ₆ O ₁₁ nanorods by microwave-assisted method: Effects of concentration of alkali and microwave heating time. <i>Journal of Crystal Growth</i> , 2007, 303, 590-596.	0.7	27

#	ARTICLE	IF	CITATIONS
19	Fabrication and impedance studies of DMFC anode incorporated with CNT-supported high-metal-content electrocatalyst. <i>Journal of Power Sources</i> , 2007, 164, 33-41.	4.0	60
20	Pulse-microwave assisted polyol synthesis of highly dispersed high loading Pt/C electrocatalyst for oxygen reduction reaction. <i>Journal of Power Sources</i> , 2007, 170, 46-49.	4.0	77
21	Electrochemical deposition of platinum nanoparticles on different carbon supports and conducting polymers. <i>Journal of Applied Electrochemistry</i> , 2008, 38, 259-268.	1.5	129
22	Preparation and characteristics of carbon-supported platinum catalyst and its application in the removal of phenolic pollutants in aqueous solution by microwave-assisted catalytic oxidation. <i>Journal of Hazardous Materials</i> , 2008, 157, 179-186.	6.5	38
23	Polyoxometallate-stabilized platinum catalysts on multi-walled carbon nanotubes for fuel cell applications. <i>Electrochimica Acta</i> , 2008, 53, 6410-6416.	2.6	33
24	Nanotubes, Nanofibers and Nanowires as Supports for Catalysts. , 2008, , 655-714.		5
25	A New Route to Obtain High-Yield Multiple-Shaped Gold Nanoparticles in Aqueous Solution using Microwave Irradiation. <i>Inorganic Chemistry</i> , 2008, 47, 6344-6352.	1.9	116
26	Spontaneous Reduction of Pt(IV) onto the Sidewalls of Functionalized Multiwalled Carbon Nanotubes as Catalysts for Oxygen Reduction Reaction in PEMFCs. <i>Journal of Physical Chemistry C</i> , 2008, 112, 2671-2677.	1.5	50
27	Rapid and Homogeneous Dispersion of Pt Catalyst Particles on Multi-Walled Carbon Nanotubes by Temperature-Controlled Microwave Polyol Method. <i>Japanese Journal of Applied Physics</i> , 2008, 47, 2324.	0.8	8
28	Rapidly dispersion and loading of Pt nanoparticles on CNTs for DMFC electrodes. , 2008, , .		0
29	One-step synthesis of carbon-onion-supported platinum nanoparticles by arc discharge in an aqueous solution. <i>Materials Chemistry and Physics</i> , 2009, 113, 179-182.	2.0	34
30	Effect of ceria on carbon supported platinum catalysts for methanol electrooxidation. <i>Materials Chemistry and Physics</i> , 2009, 113, 591-595.	2.0	47
31	Carbon nanotubes-Nafion composites as Pt-Ru catalyst support for methanol electro-oxidation in acid media. <i>Journal of Natural Gas Chemistry</i> , 2009, 18, 199-204.	1.8	10
32	Preparation of Pt@CeO ₂ /MWNT nano-composites by reverse micellar method for methanol oxidation. <i>Journal of Nanoparticle Research</i> , 2009, 11, 707-712.	0.8	10
33	Photoemission and absorption spectroscopy of carbon nanotube interfacial interaction. <i>Advances in Colloid and Interface Science</i> , 2009, 145, 23-41.	7.0	32
34	Multiwalled carbon nanotube-supported Pt/Sn and Pt/Sn/PMo ₁₂ electrocatalysts for methanol electro-oxidation. <i>International Journal of Hydrogen Energy</i> , 2009, 34, 2426-2434.	3.8	80
35	Pd (core)@Au (shell) nanoparticles catalyzed conversion of NADH to NAD ⁺ by UV-vis spectroscopy: A kinetic analysis. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2009, 74, 678-684.	2.0	21
36	Microwave Synthesis of Bimetallic Nanoalloys and CO Oxidation on Ceria-Supported Nanoalloys. <i>Chemistry of Materials</i> , 2009, 21, 2825-2834.	3.2	180

#	ARTICLE	IF	CITATIONS
37	Novel Support Materials for Fuel Cell Catalysts. Springer Series in Materials Science, 2009, , 185-197.	0.4	4
38	Platinum-Based Nanostructured Materials: Synthesis, Properties, and Applications. Chemical Reviews, 2010, 110, 3767-3804.	23.0	1,260
39	Carbon nanotubes with platinum nano-islands as glucose biofuel cell electrodes. Biosensors and Bioelectronics, 2010, 25, 1603-1608.	5.3	67
40	Fabrication of nanoparticles on vertically aligned multi-wall carbon nanotubes by e-beam evaporation. Materials & Design, 2010, 31, 1684-1687.	5.1	19
41	Microwave heated polyol synthesis of carbon supported PtAuSn/C nanoparticles for ethanol electrooxidation. International Journal of Hydrogen Energy, 2010, 35, 3125-3128.	3.8	27
42	Effect of operating conditions on the performance of a direct methanol fuel cell with PtRuMo/CNTs as anode catalyst. International Journal of Hydrogen Energy, 2010, 35, 8225-8233.	3.8	74
43	Electrochemical activity and stability of Pt catalysts on carbon nanotube/carbon paper composite electrodes. International Journal of Hydrogen Energy, 2010, 35, 8425-8432.	3.8	51
44	Microwave-assisted polyol synthesis of Pt/H-ZSM5 catalysts. Microporous and Mesoporous Materials, 2010, 131, 342-349.	2.2	13
45	Tetrahydrofuran-functionalized multi-walled carbon nanotubes as effective support for Pt and PtSn electrocatalysts of fuel cells. Electrochimica Acta, 2010, 55, 2964-2971.	2.6	74
46	Growth Mechanism of Anisotropic Gold Nanocrystals via Microwave Synthesis: Formation of Dioleamide by Gold Nanocatalysis. ACS Nano, 2010, 4, 2766-2772.	7.3	102
47	Effect of a Carbon Support Containing Large Mesopores on the Performance of a Pt [~] Ru [~] Ni/C Catalyst for Direct Methanol Fuel Cells. Journal of Physical Chemistry C, 2010, 114, 672-677.	1.5	51
48	Performance of Pt/C catalysts prepared by microwave-assisted polyol process for methanol electrooxidation. Journal of Power Sources, 2010, 195, 1799-1804.	4.0	71
49	Carbon-supported Pt [~] Ru nanoparticles prepared in glyoxylate-reduction system promoting precursor [~] support interaction. Journal of Materials Chemistry, 2010, 20, 5345.	6.7	63
50	Recent Advances in the Synthesis and Main Applications of Metallic Nanoalloys. Industrial & Engineering Chemistry Research, 2011, 50, 7705-7721.	1.8	87
51	Enhanced oxygen reduction at Pd catalytic nanoparticles dispersed onto heteropolytungstate-assembled poly(diallyldimethylammonium)-functionalized carbon nanotubes. Physical Chemistry Chemical Physics, 2011, 13, 4400.	1.3	45
52	Continuous preparation of carbon-nanotube-supported platinum catalysts in a flow reactor directly heated by electric current. Beilstein Journal of Organic Chemistry, 2011, 7, 1412-1420.	1.3	17
53	Carbon Nanotubes Supported Metal Nanoparticles for the Applications in Proton Exchange Membrane Fuel Cells (PEMFCs). , 0, , .		2
54	Synthesis of Pt/PEI [~] MWCNT composite materials on polyethyleneimine-functionalized MWNTs as supports. Materials Research Bulletin, 2011, 46, 2433-2440.	2.7	25

#	ARTICLE	IF	CITATIONS
55	Electrochemical activity and durability of Pt-Sn alloys on carbon-based electrodes prepared by microwave-assisted synthesis. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 15766-15774.	3.8	25
56	Effect of Microwave Power and Irradiation Time on the Performance of Pt/C Catalysts Synthesized by Pulse-microwave Assisted Chemical Reduction. <i>Chinese Journal of Catalysis</i> , 2011, 32, 599-605.	6.9	20
57	Current status of microwave application in wastewater treatment—A review. <i>Chemical Engineering Journal</i> , 2011, 166, 797-813.	6.6	312
58	Alternative platinum electrocatalyst supporter with micro/nanostructured polyaniline for direct methanol fuel cell applications. <i>Electrochimica Acta</i> , 2011, 56, 5679-5685.	2.6	26
59	Synthesis and evaluation of carbon nanotube-supported RuSe catalyst for direct methanol fuel cell cathode. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 3997-4006.	3.8	38
60	Microwave-assisted polyol synthesis of Pt-Zn electrocatalysts on carbon nanotube electrodes for methanol oxidation. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 2765-2772.	3.8	65
61	Hydrothermal synthesis of Pt/MWCNTs nanocomposite electrocatalysts for proton exchange membrane fuel cell systems. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 5500-5511.	3.8	23
62	Effects of microwave power and polyvinyl pyrrolidone on microwave polyol process of carbon-supported Cu catalysts for CO oxidation. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2011, 176, 745-749.	1.7	8
63	The effect of microwave operation parameters on the electrochemical performance of Pt/C catalysts. <i>Applied Catalysis B: Environmental</i> , 2011, 103, 287-293.	10.8	36
64	Syntheses and characterizations of multiwalled carbon nanotubes-supported palladium nanocomposites. <i>Journal of Materials Research</i> , 2012, 27, 1680-1687.	1.2	17
65	Interactions of Gold Nanoparticles and Lysozyme by Fluorescence Quenching Method. <i>Analytical Letters</i> , 2012, 45, 2236-2245.	1.0	16
66	Atomic Layer Deposition of Platinum Nanocatalysts onto Three-Dimensional Carbon Nanotube/Graphene Hybrid. <i>Journal of Physical Chemistry C</i> , 2012, 116, 26735-26743.	1.5	44
67	Microwave-induced fabrication of copper nanoparticle/carbon nanotubes hybrid material. <i>Current Applied Physics</i> , 2012, 12, 1575-1579.	1.1	11
68	Effect of the microwave thermal treatment condition on Pt-Fe/C alloy catalyst performance. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 12994-13000.	3.8	15
69	Fabrication of a novel PtPbBi/C catalyst for ethanol electro-oxidation in alkaline medium. <i>Electrochimica Acta</i> , 2012, 83, 1-6.	2.6	42
70	Microwave synthesis and characterization of Pt nanoparticles supported on undoped nanodiamond for methanol electrooxidation. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 1220-1225.	3.8	29
71	Nanosized Pt/IrO ₂ electrocatalyst prepared by modified polyol method for application as dual function oxygen electrode in unitized regenerative fuel cells. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 5508-5517.	3.8	71
72	Microwave synthesis and electrochemical performance of a PtPb alloy catalyst for methanol and formic acid oxidation. <i>Electrochimica Acta</i> , 2012, 63, 346-353.	2.6	41

#	ARTICLE	IF	CITATIONS
73	Deposition and activity stability of Pt-Co catalysts on carbon nanotube-based electrodes prepared by microwave-assisted synthesis. <i>Journal of Power Sources</i> , 2012, 199, 94-102.	4.0	38
74	The development of mixture, alloy, and core-shell nanocatalysts with nanomaterial supports for energy conversion in low-temperature fuel cells. <i>Nano Energy</i> , 2013, 2, 636-676.	8.2	246
75	Chemical synthesis of metal nanoparticles and nanoalloys. , 2013, , 1-37.		1
76	Facile synthesis of titania nanoparticles coated carbon nanotubes for selective enrichment of phosphopeptides for mass spectrometry analysis. <i>Talanta</i> , 2013, 107, 30-35.	2.9	27
77	Microwave Synthesis of Metal Oxide Nanoparticles. , 2013, , 245-284.		12
78	Pulse microwave-assisted synthesis of Pt nanoparticles onto carbon nanotubes as electrocatalysts for proton exchange membrane fuel cells. <i>Electrochimica Acta</i> , 2013, 87, 63-72.	2.6	26
79	Increase of catalyst utilization in polymer electrolyte membrane fuel cells by shape-selected Pt nanoparticles. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 13393-13398.	3.8	13
80	Measurement of the catalytic activity of gold nanoparticles synthesized by a microwave-assisted heating method through time-dependent UV spectra. <i>Analytical Methods</i> , 2013, 5, 1991.	1.3	16
81	Three-dimensional network of graphene grown with carbon nanotubes as carbon support for fuel cells. <i>Energy</i> , 2013, 53, 282-287.	4.5	49
82	Nanomaterials-supported Pt catalysts for proton exchange membrane fuel cells. <i>Wiley Interdisciplinary Reviews: Energy and Environment</i> , 2013, 2, 31-51.	1.9	23
83	Synthesis and Electrochemical Performance of SnO ₂ /Graphene Hybrid Anode for Lithium Ion Batteries. <i>Materials Research Society Symposia Proceedings</i> , 2013, 1540, 4001.	0.1	0
84	CNT Membrane as a Free Standing Electrode for PEM Fuel Cell. <i>Journal of the Electrochemical Society</i> , 2014, 161, F1146-F1153.	1.3	7
85	Platinum electrocatalysts attached to carbon nanotubes by atomic layer deposition with different cycle numbers. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2014, 45, 186-191.	2.7	9
86	Porous carbon as electrode material in direct ethanol fuel cells (DEFCs) synthesized by the direct carbonization of MOF-5. <i>Journal of Solid State Electrochemistry</i> , 2014, 18, 1545-1555.	1.2	37
87	Evaluation of the corrosion of Sb-doped SnO ₂ supports for electrolysis systems. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 16763-16770.	3.8	16
88	Hierarchical Nanostructures for Fuel Cells and Fuel Reforming. <i>RSC Nanoscience and Nanotechnology</i> , 2014, , 84-106.	0.2	0
89	Fast Synthesis of Binary Pt-Sn Nanocatalysts onto Graphene Sheets for Promoted Catalytic Activity. <i>Electrochimica Acta</i> , 2014, 149, 278-284.	2.6	12
90	Nitrogen-doped mesoporous carbon hollow spheres as a novel carbon support for oxygen reduction reaction. <i>New Journal of Chemistry</i> , 2014, 38, 5521-5526.	1.4	19

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91	Processing of pristine carbon nanotube supported platinum as catalyst for PEM fuel cell. <i>Materials for Renewable and Sustainable Energy</i> , 2014, 3, 1.	1.5	20
92	Effects of carbon support on microwave-assisted catalytic dehydrogenation of decalin. <i>Carbon</i> , 2014, 67, 775-783.	5.4	21
93	Microwave-Assisted Preparation of Inorganic Nanostructures in Liquid Phase. <i>Chemical Reviews</i> , 2014, 114, 6462-6555.	23.0	688
94	Tribological behaviors of dialkyldithiophosphate-encapsulated Ni nanoparticles prepared by microwave-assisted reaction. <i>Composite Interfaces</i> , 2015, 22, 353-365.	1.3	1
95	Multiwalled Carbon Nanotubes Compositied with Palladium Nanocatalysts for Highly Efficient Ethanol Oxidation. <i>Journal of the Electrochemical Society</i> , 2015, 162, F755-F763.	1.3	36
96	Distinct influence for carbon nano-morphology on the activity and optimum metal loading of Ni/C composite used for ethanol oxidation. <i>Electrochimica Acta</i> , 2015, 182, 143-155.	2.6	33
97	An investigation of WC stability during the preparation of Pt@WC/OMC via a pulse microwave assisted polyol method. <i>Applied Catalysis B: Environmental</i> , 2015, 166-167, 224-230.	10.8	13
98	Graphene supported heterogeneous catalysts: An overview. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 948-979.	3.8	412
99	Influence of Metal Oxides on Platinum Activity towards Methanol Oxidation in H_2/SO_4 solution. <i>ChemPhysChem</i> , 2016, 17, 1054-1061.	1.0	14
100	Emerging technology to develop novel red winemaking practices: An overview. <i>Innovative Food Science and Emerging Technologies</i> , 2016, 38, 41-56.	2.7	55
101	Effect of the pH of the preparation medium on the microstructure and electrocatalytic activity of carbon nanotubes decorated with PtSn nanoparticles for use in methanol oxidation. <i>New Carbon Materials</i> , 2016, 31, 293-300.	2.9	3
102	Investigation of electrocatalytic and analytical ability of Pt nanoparticles supported on active carbon modified electrode to analytical determination of glucose. <i>Russian Journal of Electrochemistry</i> , 2016, 52, 233-238.	0.3	0
103	Enhanced Soundproof Performance of Construction Coatings Using Polyvinyl Acetate Resin and Calcium Sulfate Whiskers. <i>Journal of Materials in Civil Engineering</i> , 2016, 28, .	1.3	3
104	Microwave Synthesis Porous Zeolitic Metal-Organic Framework Materials. , 2016, , 245-278.		1
105	Highly Porous Carbon Derived from MOF-5 as a Support of ORR Electrocatalysts for Fuel Cells. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 17268-17275.	4.0	143
106	Nonenzymatic detection of glucose using three-dimensional PtNi nanoclusters electrodeposited on the multiwalled carbon nanotubes. <i>Sensors and Actuators B: Chemical</i> , 2016, 231, 800-810.	4.0	68
107	High electrocatalytic performance of graphene nanoribbon supported PtAu nanoalloy for direct ethanol fuel cell and theoretical analysis of anti-CO poisoning. <i>Electrochimica Acta</i> , 2016, 187, 560-566.	2.6	23
108	Acid doped polybenzimidazoles based membrane electrode assembly for high temperature proton exchange membrane fuel cell: A review. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 9156-9179.	3.8	116

#	ARTICLE	IF	CITATIONS
109	Enhancement on fireproof performance of construction coatings using calcium sulfate whiskers prepared from wastewater. <i>Chemical Papers</i> , 2017, 71, 1343-1350.	1.0	15
110	Metal organic frameworks as precursors for the manufacture of advanced catalytic materials. <i>Materials Chemistry Frontiers</i> , 2017, 1, 1709-1745.	3.2	252
111	Structure-activity relationships of carbon-supported platinum-bismuth and platinum-antimony oxidation catalysts. <i>Journal of Catalysis</i> , 2017, 348, 47-58.	3.1	7
112	Chitosan-stabilized platinum nanoparticles as effective oxidase mimics for colorimetric detection of acid phosphatase. <i>Nanoscale</i> , 2017, 9, 10292-10300.	2.8	187
113	Heat transport enhancement of heat sinks using Cu-coated graphene composites. <i>Materials Chemistry and Physics</i> , 2017, 197, 105-112.	2.0	15
114	An ultrasensitive multi-walled carbon nanotubeâ€“platinumâ€“luminol nanocomposite-based electrochemiluminescence immunosensor. <i>Analyst, The</i> , 2017, 142, 2253-2260.	1.7	36
115	Microwave-Assisted Synthesis and Thermal Resistance of Calcium Sulfate Whiskers. <i>Chemical Engineering Communications</i> , 2017, 204, 232-237.	1.5	9
116	Oxidation of 4-methoxy-1-naphthol on promoted platinum catalysts. <i>Kinetics and Catalysis</i> , 2017, 58, 441-447.	0.3	2
117	The tunable plasma synthesis of Pt-reduced graphene oxide nanocomposites. <i>AIP Advances</i> , 2017, 7, 065118.	0.6	7
118	Microwave Preparation of Catalyst Layer for Enhancing the Oxygen Reduction of Air Cathode in Microbial Fuel Cells. <i>International Journal of Electrochemical Science</i> , 2017, 12, 2207-2218.	0.5	6
119	Highly selective isomerization of cottonseed oil into conjugated linoleic acid catalyzed by multiwalled carbon nanotube supported ruthenium. <i>RSC Advances</i> , 2019, 9, 20698-20705.	1.7	12
120	Multi-walled carbon nanotubes decorated by platinum catalyst for high temperature PEM fuel cell. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 18951-18966.	3.8	49
121	Stable and Efficient PtRu Electrocatalysts Supported on Zn-BTC MOF Derived Microporous Carbon for Formic Acid Fuel Cells Application. <i>Frontiers in Chemistry</i> , 2020, 8, 367.	1.8	15
122	Simultaneous Determination of Dopamine and Uric Acid on a MoS ₂ -CPtNPs Nanocomposite-Modified Electrode. <i>International Journal of Electrochemical Science</i> , 2020, , 3969-3979.	0.5	4
123	Branched Gold Nanostructures Through a Facile Fructose Mediated Microwave Route. <i>Journal of Cluster Science</i> , 2022, 33, 227-240.	1.7	5
124	Effects of catalyst preparation route and promoters (Ce and Zr) on catalytic activity of CuZn/CNTs catalysts for hydrogen production from methanol steam reforming. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 8906-8921.	3.8	44
125	Synthesis and Property of Carbon Nanotube-Supported Pd and Pt Nanoparticles. <i>Korean Journal of Materials Research</i> , 2009, 19, 192-197.	0.1	4
126	Carbonaceous Nanostructured Support Materials for Low Temperature Fuel Cell Electrocatalystsâ€”A Review. <i>World Journal of Nano Science and Engineering</i> , 2013, 03, 121-153.	0.3	48

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127	Metallic Nanoalloys. , 2012, , 775-803.		0
128	Synthesis and Study of Pt/MWCNTs Catalysts by Using Microwave Assisted Polyol Method for PEM Fuel Cells. Journal of the Korean Electrochemical Society, 2012, 15, 264-269.	0.1	0
129	Preparation and Characterization of Nano Structured Pt [~] MOx/C for Oxygen Reduction Reaction in Acidic Medium. Egyptian Journal of Chemistry, 2017, .	0.1	0
130	Hybrid Nanostructures. Advances in Environmental Engineering and Green Technologies Book Series, 0, , 231-275.	0.3	1
132	Biomimetic Metallic Nanostructures for Biomedical Applications, Catalysis, and Beyond. Industrial & Engineering Chemistry Research, 2022, 61, 7547-7593.	1.8	44
133	Chitosan-stabilized platinum nanoparticles induce apoptotic cell death in breast cancer cells. Applied Nanoscience (Switzerland), 0, , .	1.6	2
134	Microwave-associated chemistry in environmental catalysis for air pollution remediation: A review. Chemical Engineering Journal, 2023, 466, 142902.	6.6	13
139	Functionalization of carbon-based nanomaterials with ionic liquids. , 2023, , 59-78.		0