Caiqin Wang

List of Publications by Year
in descending order

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76 papers	3,783 citations	109321 35 h-index	133252 59 g-index
76 all docs	76 docs citations	76 times ranked	4135 citing authors

#	Article	IF	Citations
1	Porous Ptâ€“Rhâ€“Te nanotubes: an alleviated poisoning effect for ethanol electrooxidation. Inorganic Chemistry Frontiers, 2020, 7, 625-630.	6.0	20
2	A new ratiometric electrochemical sensor using electroactive GO/MB/Ag nanocomposites for H2S detection in biological samples. Journal of Nanoparticle Research, 2020, 22, 1.	1.9	17
3	Engineering Spiny PtFePd@PtFe/Pt Core@Multishell Nanowires with Enhanced Performance for Alcohol Electrooxidation. ACS Applied Materials & Interfaces, 2019, 11, 30880-30886.	8.0	39
4	Ultrathin one-dimensional platinum-cobalt nanowires as efficient catalysts for the glycerol oxidation reaction. Journal of Colloid and Interface Science, 2019, 556, 441-448.	9.4	16
5	Sensitive detection of caffeic acid with trifurcate PtCu nanocrystals modified glassy carbon electrode. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 567, 27-31.	4.7	24
6	Shape-controlled PdSn alloy as superior electrocatalysts for alcohol oxidation reactions. Journal of the Taiwan Institute of Chemical Engineers, 2019, 101, 167-176.	5.3	20
7	Monodispersed bimetallic platinum-copper alloy nanospheres as efficient catalysts for ethylene glycol electrooxidation. Journal of Colloid and Interface Science, 2019, 551, 81-88.	9.4	19
8	The chain-typed nanoflowers structure endows PtBi with highly electrocatalytic activity of ethylene glycol oxidation. Journal of Alloys and Compounds, 2019, 789, 834-840.	5.5	16
9	Self-template construction of Sub-24â€¯nmâ€¯Pd Ag hollow nanodendrites as highly efficient electrocatalysts for ethylene glycol oxidation. Journal of Power Sources, 2019, 418, 186-192.	7.8	75
10	Anchoring gold nanoparticles on poly(3,4-ethylenedioxythiophene) (PEDOT) nanonet as three-dimensional electrocatalysts toward ethanol and 2-propanol oxidation. Journal of Colloid and Interface Science, 2019, 541, 258-268.	9.4	79
11	Highly open bowl-like PtAuAg nanocages as robust electrocatalysts towards ethylene glycol oxidation. Journal of Power Sources, 2018, 384, 42-47.	7.8	27
12	Pt Islands on 3â€‰D Nutâ€like PtAg Nanocrystals for Efficient Formic Acid Oxidation Electrocatalysis. ChemSusChem, 2018, 11, 1056-1062.	6.8	20
13	Sub-5nm monodispersed PdCu nanosphere with enhanced catalytic activity towards ethylene glycol electrooxidation. Electrochimica Acta, 2018, 261, 521-529.	5.2	44
14	Highly active electrooxidation of ethylene glycol enabled by pinecone-like Pdâ€“Auâ€“Ag nanocatalysts. Journal of the Taiwan Institute of Chemical Engineers, 2018, 83, 64-73.	5.3	10
15	One-pot fabrication of N-doped graphene supported dandelion-like PtRu nanocrystals as efficient and robust electrocatalysts towards formic acid oxidation. Journal of Colloid and Interface Science, 2018, 512, 96-104.	9.4	20
16	N-doped graphene supported PtAu/Pt intermetallic core/dendritic shell nanocrystals for efficient electrocatalytic oxidation of formic acid. Chemical Engineering Journal, 2018, 334, 2638-2646.	12.7	104
17	Solvent-mediated length tuning of ultrathin platinumâ€“cobalt nanowires for efficient electrocatalysis. Journal of Materials Chemistry A, 2018, 6, 24418-24424.	10.3	26
18	Visible-light-driven trimetallic Pt-Ag-Ni alloy nanoparticles for efficient nanoelectrocatalytic oxidation of alcohols. Journal of the Taiwan Institute of Chemical Engineers, 2018, 93, 616-624.	5.3	11

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19	Heterogeneous Co(OH)₂ nanoplates/Co₃O₄ nanocubes enriched with oxygen vacancies enable efficient oxygen evolution reaction electrocatalysis. Nanoscale, 2018, 10, 18468-18472.	5.6	58
20	Facile construction of pompon-like PtAg alloy catalysts for enhanced ethylene glycol electrooxidation. International Journal of Hydrogen Energy, 2018, 43, 9644-9651.	7.1	38
21	Exceptional ethylene glycol electrooxidation enabled by high-quality PdAgCu hollow nanospheres. Journal of the Taiwan Institute of Chemical Engineers, 2018, 91, 405-412.	5.3	17
22	Phosphorus-doped cobalt-iron oxyhydroxide with untrafine nanosheet structure enable efficient oxygen evolution electrocatalysis. Journal of Colloid and Interface Science, 2018, 530, 146-153.	9.4	42
23	Surface plasmon enhanced ethylene glycol electrooxidation based on hollow platinum-silver nanodendrites structures. Journal of the Taiwan Institute of Chemical Engineers, 2018, 91, 316-322.	5.3	17
24	Visible light enhanced electrochemical detection of caffeic acid with waxberry-like PtAuRu nanoparticles modified GCE. Sensors and Actuators B: Chemical, 2018, 272, 135-138.	7.8	32
25	Facile Construction of N-Doped Graphene Supported Hollow PtAg Nanodendrites as Highly Efficient Electrocatalysts toward Formic Acid Oxidation Reaction. ACS Sustainable Chemistry and Engineering, 2018, 6, 609-617.	6.7	58
26	A facile and green fabrication of Cu2O-Au/NG nanocomposites for sensitive electrochemical determination of rutin. Journal of Electroanalytical Chemistry, 2017, 786, 20-27.	3.8	52
27	N-doped graphene-supported binary PdBi networks for formic acid oxidation. Applied Surface Science, 2017, 416, 191-199.	6.1	65
28	Ultra-uniform PdBi nanodots with high activity towards formic acid oxidation. Journal of Power Sources, 2017, 356, 27-35.	7.8	152
29	Ultrasonic-assisted synthesis of N-doped graphene-supported binary PdAu nanoflowers for enhanced electro-oxidation of ethylene glycol and glycerol. Electrochimica Acta, 2017, 245, 227-236.	5.2	115
30	Seed-mediated synthesis of cross-linked Pt-NiO nanochains for methanol oxidation. Applied Surface Science, 2017, 411, 379-385.	6.1	30
31	Facile fabrication of novel PdRu nanoflowers as highly active catalysts for the electrooxidation of methanol. Journal of Colloid and Interface Science, 2017, 505, 1-8.	9.4	67
32	Monodispersed porous flowerlike PtAu nanocrystals as effective electrocatalysts for ethanol oxidation. Applied Surface Science, 2017, 422, 172-178.	6.1	18
33	Enhanced TA determination on 3D flower-like ZnO-Pt nanocomposites under ultraviolet light illumination. Sensors and Actuators B: Chemical, 2017, 252, 717-724.	7.8	18
34	Au Nanochains Anchored on 3D Polyaniline/Reduced Graphene Oxide Nanocomposites as a Highâ€Performance Catalyst for Ethanol Electrooxidation. ChemElectroChem, 2017, 4, 1937-1943.	3.4	12
35	Facile synthesis of Pd-Ru-P ternary nanoparticle networks with enhanced electrocatalytic performance for methanol oxidation. International Journal of Hydrogen Energy, 2017, 42, 11229-11238.	7.1	97
36	PVP-stabilized PdAu nanowire networks prepared in different solvents endowed with high electrocatalytic activities for the oxidation of ethylene glycol and isopropanol. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 522, 335-345.	4.7	57

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37	A facile synthesis of 3D network PdCu nanostructure with enhanced electrocatalytic activity towards ethanol oxidation. Journal of the Taiwan Institute of Chemical Engineers, 2017, 75, 12-17.	5.3	17
38	Facile construction of satellite-like PtAu nanocrystals with dendritic shell as highly efficient electrocatalysts toward ethylene glycol oxidation. Journal of the Taiwan Institute of Chemical Engineers, 2017, 80, 607-613.	5.3	9
39	Sophisticated Construction of Hollow Auâ€“Agâ€“Cu Nanoflowers as Highly Efficient Electrocatalysts toward Ethylene Glycol Oxidation. ACS Sustainable Chemistry and Engineering, 2017, 5, 10490-10498.	6.7	27
40	Facile construction of fascinating trimetallic PdAuAg nanocages with exceptional ethylene glycol and glycerol oxidation activity. Nanoscale, 2017, 9, 17004-17012.	5.6	59
41	Eco-friendly and facile synthesis of novel bayberry-like PtRu alloy as efficient catalysts for ethylene glycol electrooxidation. International Journal of Hydrogen Energy, 2017, 42, 20720-20728.	7.1	29
42	Selfâ€Supported Wormâ€like PdAg Nanoflowers as Efficient Electrocatalysts towards Ethylene Glycol Oxidation. ChemElectroChem, 2017, 4, 2527-2534.	3.4	29
43	Self-supported porous 2D AuCu triangular nanoprisms as model electrocatalysts for ethylene glycol and glycerol oxidation. Journal of Materials Chemistry A, 2017, 5, 15932-15939.	10.3	103
44	Hollow Au_xAg/Au core/shell nanospheres as efficient catalysts for electrooxidation of liquid fuels. Nanoscale, 2017, 9, 12996-13003.	5.6	78
45	Plasmonic and photo-electrochemical enhancements of the AuAg@Au/RGOâ€“C₃N₄ nanocomposite for the detection of DA. Analyst, The, 2017, 142, 4852-4861.	3.5	18
46	Facile Synthesis of a Porous Pd/Cu Alloy and its Enhanced Performance toward Methanol and Formic Acid Electrooxidation. ChemPlusChem, 2017, 82, 1121-1128.	2.8	23
47	Synthesis and characterization of core-shell PdAu convex nanospheres with enhanced electrocatalytic activity for ethylene glycol oxidation. Journal of Alloys and Compounds, 2017, 723, 36-42.	5.5	42
48	Electrochemical synthesis of gold nanoparticles decorated flower-like graphene for high sensitivity detection of nitrite. Journal of Colloid and Interface Science, 2017, 488, 135-141.	9.4	161
49	Facile Synthesis of MnPO4Â·H2O Nanowire/Graphene Oxide Composite Material and Its Application as Electrode Material for High Performance Supercapacitors. Catalysts, 2016, 6, 198.	3.5	23
50	Highly enhanced ethanol electrocatalytic activity of PdPb network nanocomposites achieved by a small amount platinum modification. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 502, 13-18.	4.7	14
51	Design of PdAg Hollow Nanoflowers through Galvanic Replacement and Their Application for Ethanol Electrooxidation. Chemistry - A European Journal, 2016, 22, 16642-16647.	3.3	80
52	Oneâ€pot Synthesis of PtSn Bimetallic Composites and Their Application as Highly Active Catalysts for Ethanol Electrooxidation. ChemPlusChem, 2016, 81, 93-99.	2.8	10
53	Highly active and durable flowerlike Pd/Ni(OH)₂ catalyst for the electrooxidation of ethanol in alkaline medium. RSC Advances, 2016, 6, 72722-72727.	3.6	28
54	Nonenzymatic electrochemical detection of rutin on Pt nanoparticles/graphene nanocomposite modified glassy carbon electrode. Analytical Methods, 2016, 8, 5435-5440.	2.7	28

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55	Fabrication of Pd/P nanoparticle networks with high activity for methanol oxidation. Catalysis Science and Technology, 2016, 6, 6441-6447.	4.1	60
56	Synthesis and high electrocatalytic activity of Au-decorated Pd heterogeneous nanocube catalysts for ethanol electro-oxidation in alkaline media. Catalysis Science and Technology, 2016, 6, 5397-5404.	4.1	55
57	Graphene nanosheet-supported Pd nano-leaves with highly efficient electrocatalytic performance for formic acid oxidation. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 488, 1-6.	4.7	17
58	Pdâ€Nanoparticleâ€Supported, PDDAâ€Functionalized Graphene as a Promising Catalyst for Alcohol Oxidation. Chemistry - an Asian Journal, 2015, 10, 667-673.	3.3	31
59	Three-dimensional Au_{0.5}/reduced graphene oxide/Au_{0.5}/reduced graphene oxide/carbon fiber electrode and its high catalytic performance toward ethanol electrooxidation in alkaline media. Journal of Materials Chemistry A, 2015, 3, 4389-4398.	10.3	58
60	Ru-assisted synthesis of Pd/Ru nanodendrites with high activity for ethanol electrooxidation. Nanoscale, 2015, 7, 12445-12451.	5.6	116
61	A facile fabrication of copper particle-decorated novel graphene flower composites for enhanced detecting of nitrite. Analyst, The, 2015, 140, 1291-1297.	3.5	32
62	Facile fabrication of PtCuAu nanoparticles modified reduced graphene oxide with high electrocatalytic activity toward formic acid oxidation. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 467, 211-215.	4.7	17
63	Facile synthesis of PtAu nanoparticles supported on polydopamine reduced and modified graphene oxide as a highly active catalyst for methanol oxidation. Electrochimica Acta, 2015, 153, 175-183.	5.2	96
64	Two dimensional MoS2/graphene composites as promising supports for Pt electrocatalysts towards methanol oxidation. Journal of Power Sources, 2015, 275, 483-488.	7.8	106
65	Enhanced photo-electrocatalytic performance of Pt/RGO/TiO2 on carbon fiber towards methanol oxidation in alkaline media. Journal of Solid State Electrochemistry, 2014, 18, 515-522.	2.5	40
66	Macroporous flower-like graphene-nanosheet clusters used for electrochemical determination of dopamine. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 448, 181-185.	4.7	36
67	Dendritic Ag@Pt coreâ€“shell catalyst modified with reduced graphene oxide and titanium dioxide: Fabrication, characterization, and its photo-electrocatalytic performance. International Journal of Hydrogen Energy, 2014, 39, 5764-5771.	7.1	38
68	Auâ€“Cuâ€“Pt ternary catalyst fabricated by electrodeposition and galvanic replacement with superior methanol electrooxidation activity. RSC Advances, 2014, 4, 57600-57607.	3.6	31
69	Simultaneous determination of dopamine, uric acid and ascorbic acid using a glassy carbon electrode modified with reduced graphene oxide. RSC Advances, 2014, 4, 26895.	3.6	51
70	A facile electrochemical sensor based on reduced graphene oxide and Au nanoplates modified glassy carbon electrode for simultaneous detection of ascorbic acid, dopamine and uric acid. Sensors and Actuators B: Chemical, 2014, 204, 302-309.	7.8	414
71	Facile preparation of flower-like graphene-nanosheet clusters with the assistance of copper particles and their application in supercapacitors. RSC Advances, 2014, 4, 500-504.	3.6	18
72	Reduced graphene oxide modified highly ordered TiO₂ nanotube arrays photoelectrode with enhanced photoelectrocatalytic performance under visible-light irradiation. Physical Chemistry Chemical Physics, 2014, 16, 14800-14807.	2.8	86

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73	Grapheneâ€“poly(5-aminoindole) composite film as Pt catalyst support for methanol electrooxidation in alkaline medium. Electrochimica Acta, 2013, 107, 292-300.	5.2	42
74	Enhancement of methanol electrocatalytic oxidation on platinized WO3â€“TiO2 composite electrode under visible light irradiation. Materials Research Bulletin, 2013, 48, 1099-1104.	5.2	16
75	Electrocatalytic oxidation of formic acid on Ptâ€“Pd decoratedÂpolyfluorenes with hydroxyl and carboxyl substitution. International Journal of Hydrogen Energy, 2013, 38, 12755-12766.	7.1	27
76	One-pot synthesis of a RGO-supported ultrafine ternary PtAuRu catalyst with high electrocatalytic activity towards methanol oxidation in alkaline medium. Journal of Materials Chemistry A, 2013, 1, 7255.	10.3	86