

# 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	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. <i>Sensors and Actuators B: Chemical</i> , 2014, 204, 302-309.	7.8	414
2	Electrochemical synthesis of gold nanoparticles decorated flower-like graphene for high sensitivity detection of nitrite. <i>Journal of Colloid and Interface Science</i> , 2017, 488, 135-141.	9.4	161
3	Ultra-uniform PdBi nanodots with high activity towards formic acid oxidation. <i>Journal of Power Sources</i> , 2017, 356, 27-35.	7.8	152
4	Ru-assisted synthesis of Pd/Ru nanodendrites with high activity for ethanol electrooxidation. <i>Nanoscale</i> , 2015, 7, 12445-12451.	5.6	116
5	Ultrasonic-assisted synthesis of N-doped graphene-supported binary PdAu nanoflowers for enhanced electro-oxidation of ethylene glycol and glycerol. <i>Electrochimica Acta</i> , 2017, 245, 227-236.	5.2	115
6	Two dimensional MoS <sub>2</sub> /graphene composites as promising supports for Pt electrocatalysts towards methanol oxidation. <i>Journal of Power Sources</i> , 2015, 275, 483-488.	7.8	106
7	N-doped graphene supported PtAu/Pt intermetallic core/dendritic shell nanocrystals for efficient electrocatalytic oxidation of formic acid. <i>Chemical Engineering Journal</i> , 2018, 334, 2638-2646.	12.7	104
8	Self-supported porous 2D AuCu triangular nanoprisms as model electrocatalysts for ethylene glycol and glycerol oxidation. <i>Journal of Materials Chemistry A</i> , 2017, 5, 15932-15939.	10.3	103
9	Facile synthesis of Pd-Ru-P ternary nanoparticle networks with enhanced electrocatalytic performance for methanol oxidation. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 11229-11238.	7.1	97
10	Facile synthesis of PtAu nanoparticles supported on polydopamine reduced and modified graphene oxide as a highly active catalyst for methanol oxidation. <i>Electrochimica Acta</i> , 2015, 153, 175-183.	5.2	96
11	One-pot synthesis of a RGO-supported ultrafine ternary PtAuRu catalyst with high electrocatalytic activity towards methanol oxidation in alkaline medium. <i>Journal of Materials Chemistry A</i> , 2013, 1, 7255.	10.3	86
12	Reduced graphene oxide modified highly ordered TiO <sub>2</sub> nanotube arrays photoelectrode with enhanced photoelectrocatalytic performance under visible-light irradiation. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 14800-14807.	2.8	86
13	Design of PdAg Hollow Nanoflowers through Galvanic Replacement and Their Application for Ethanol Electrooxidation. <i>Chemistry - A European Journal</i> , 2016, 22, 16642-16647.	3.3	80
14	Anchoring gold nanoparticles on poly(3,4-ethylenedioxythiophene) (PEDOT) nanonet as three-dimensional electrocatalysts toward ethanol and 2-propanol oxidation. <i>Journal of Colloid and Interface Science</i> , 2019, 541, 258-268.	9.4	79
15	Hollow Au <sub>x</sub> Ag/Au core/shell nanospheres as efficient catalysts for electrooxidation of liquid fuels. <i>Nanoscale</i> , 2017, 9, 12996-13003.	5.6	78
16	Self-template construction of Sub-24 nm Pd Ag hollow nanodendrites as highly efficient electrocatalysts for ethylene glycol oxidation. <i>Journal of Power Sources</i> , 2019, 418, 186-192.	7.8	75
17	Facile fabrication of novel PdRu nanoflowers as highly active catalysts for the electrooxidation of methanol. <i>Journal of Colloid and Interface Science</i> , 2017, 505, 1-8.	9.4	67
18	N-doped graphene-supported binary PdBi networks for formic acid oxidation. <i>Applied Surface Science</i> , 2017, 416, 191-199.	6.1	65

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19	Fabrication of Pd/P nanoparticle networks with high activity for methanol oxidation. <i>Catalysis Science and Technology</i> , 2016, 6, 6441-6447.	4.1	60
20	Facile construction of fascinating trimetallic PdAuAg nanocages with exceptional ethylene glycol and glycerol oxidation activity. <i>Nanoscale</i> , 2017, 9, 17004-17012.	5.6	59
21	Three-dimensional Au <sub>0.5</sub> /reduced graphene oxide/Au <sub>0.5</sub> /reduced graphene oxide/carbon fiber electrode and its high catalytic performance toward ethanol electrooxidation in alkaline media. <i>Journal of Materials Chemistry A</i> , 2015, 3, 4389-4398.	10.3	58
22	Heterogeneous Co(OH) <sub>2</sub> nanoplates/Co <sub>3</sub> O <sub>4</sub> nanocubes enriched with oxygen vacancies enable efficient oxygen evolution reaction electrocatalysis. <i>Nanoscale</i> , 2018, 10, 18468-18472.	5.6	58
23	Facile Construction of N-Doped Graphene Supported Hollow PtAg Nanodendrites as Highly Efficient Electrocatalysts toward Formic Acid Oxidation Reaction. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 609-617.	6.7	58
24	PVP-stabilized PdAu nanowire networks prepared in different solvents endowed with high electrocatalytic activities for the oxidation of ethylene glycol and isopropanol. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 522, 335-345.	4.7	57
25	Synthesis and high electrocatalytic activity of Au-decorated Pd heterogeneous nanocube catalysts for ethanol electro-oxidation in alkaline media. <i>Catalysis Science and Technology</i> , 2016, 6, 5397-5404.	4.1	55
26	A facile and green fabrication of Cu <sub>2</sub> O-Au/NG nanocomposites for sensitive electrochemical determination of rutin. <i>Journal of Electroanalytical Chemistry</i> , 2017, 786, 20-27.	3.8	52
27	Simultaneous determination of dopamine, uric acid and ascorbic acid using a glassy carbon electrode modified with reduced graphene oxide. <i>RSC Advances</i> , 2014, 4, 26895.	3.6	51
28	Sub-5nm monodispersed PdCu nanosphere with enhanced catalytic activity towards ethylene glycol electrooxidation. <i>Electrochimica Acta</i> , 2018, 261, 521-529.	5.2	44
29	Graphene-poly(5-aminoindole) composite film as Pt catalyst support for methanol electrooxidation in alkaline medium. <i>Electrochimica Acta</i> , 2013, 107, 292-300.	5.2	42
30	Synthesis and characterization of core-shell PdAu convex nanospheres with enhanced electrocatalytic activity for ethylene glycol oxidation. <i>Journal of Alloys and Compounds</i> , 2017, 723, 36-42.	5.5	42
31	Phosphorus-doped cobalt-iron oxyhydroxide with untrafine nanosheet structure enable efficient oxygen evolution electrocatalysis. <i>Journal of Colloid and Interface Science</i> , 2018, 530, 146-153.	9.4	42
32	Enhanced photo-electrocatalytic performance of Pt/RGO/TiO <sub>2</sub> on carbon fiber towards methanol oxidation in alkaline media. <i>Journal of Solid State Electrochemistry</i> , 2014, 18, 515-522.	2.5	40
33	Engineering Spiny PtFePd@PtFe/Pt Core@Multishell Nanowires with Enhanced Performance for Alcohol Electrooxidation. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 30880-30886.	8.0	39
34	Dendritic Ag@Pt core-shell catalyst modified with reduced graphene oxide and titanium dioxide: Fabrication, characterization, and its photo-electrocatalytic performance. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 5764-5771.	7.1	38
35	Facile construction of pompon-like PtAg alloy catalysts for enhanced ethylene glycol electrooxidation. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 9644-9651.	7.1	38
36	Macroporous flower-like graphene-nanosheet clusters used for electrochemical determination of dopamine. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 448, 181-185.	4.7	36

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37	A facile fabrication of copper particle-decorated novel graphene flower composites for enhanced detecting of nitrite. <i>Analyst, The</i> , 2015, 140, 1291-1297.	3.5	32
38	Visible light enhanced electrochemical detection of caffeic acid with waxberry-like PtAuRu nanoparticles modified GCE. <i>Sensors and Actuators B: Chemical</i> , 2018, 272, 135-138.	7.8	32
39	Au@Cu@Pt ternary catalyst fabricated by electrodeposition and galvanic replacement with superior methanol electrooxidation activity. <i>RSC Advances</i> , 2014, 4, 57600-57607.	3.6	31
40	Pd@Nanoparticle@CS Supported, PDDA@Functionalized Graphene as a Promising Catalyst for Alcohol Oxidation. <i>Chemistry - an Asian Journal</i> , 2015, 10, 667-673.	3.3	31
41	Seed-mediated synthesis of cross-linked Pt-NiO nanochains for methanol oxidation. <i>Applied Surface Science</i> , 2017, 411, 379-385.	6.1	30
42	Eco-friendly and facile synthesis of novel bayberry-like PtRu alloy as efficient catalysts for ethylene glycol electrooxidation. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 20720-20728.	7.1	29
43	Self-Supported Worm-like PdAg Nanoflowers as Efficient Electrocatalysts towards Ethylene Glycol Oxidation. <i>ChemElectroChem</i> , 2017, 4, 2527-2534.	3.4	29
44	Highly active and durable flowerlike Pd/Ni(OH) <sub>2</sub> catalyst for the electrooxidation of ethanol in alkaline medium. <i>RSC Advances</i> , 2016, 6, 72722-72727.	3.6	28
45	Nonenzymatic electrochemical detection of rutin on Pt nanoparticles/graphene nanocomposite modified glassy carbon electrode. <i>Analytical Methods</i> , 2016, 8, 5435-5440.	2.7	28
46	Electrocatalytic oxidation of formic acid on Pt@Pd decorated polyfluorenes with hydroxyl and carboxyl substitution. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 12755-12766.	7.1	27
47	Sophisticated Construction of Hollow Au@Ag@Cu Nanoflowers as Highly Efficient Electrocatalysts toward Ethylene Glycol Oxidation. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 10490-10498.	6.7	27
48	Highly open bowl-like PtAuAg nanocages as robust electrocatalysts towards ethylene glycol oxidation. <i>Journal of Power Sources</i> , 2018, 384, 42-47.	7.8	27
49	Solvent-mediated length tuning of ultrathin platinum@cobalt nanowires for efficient electrocatalysis. <i>Journal of Materials Chemistry A</i> , 2018, 6, 24418-24424.	10.3	26
50	Sensitive detection of caffeic acid with trifurcate PtCu nanocrystals modified glassy carbon electrode. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 567, 27-31.	4.7	24
51	Facile Synthesis of MnPO <sub>4</sub> ·H <sub>2</sub> O Nanowire/Graphene Oxide Composite Material and Its Application as Electrode Material for High Performance Supercapacitors. <i>Catalysts</i> , 2016, 6, 198.	3.5	23
52	Facile Synthesis of a Porous Pd/Cu Alloy and its Enhanced Performance toward Methanol and Formic Acid Electrooxidation. <i>ChemPlusChem</i> , 2017, 82, 1121-1128.	2.8	23
53	Pt Islands on 3D Nut-like PtAg Nanocrystals for Efficient Formic Acid Oxidation Electrocatalysis. <i>ChemSusChem</i> , 2018, 11, 1056-1062.	6.8	20
54	One-pot fabrication of N-doped graphene supported dandelion-like PtRu nanocrystals as efficient and robust electrocatalysts towards formic acid oxidation. <i>Journal of Colloid and Interface Science</i> , 2018, 512, 96-104.	9.4	20

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55	Shape-controlled PdSn alloy as superior electrocatalysts for alcohol oxidation reactions. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2019, 101, 167-176.	5.3	20
56	Porous Pt-Rh-Te nanotubes: an alleviated poisoning effect for ethanol electrooxidation. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 625-630.	6.0	20
57	Monodispersed bimetallic platinum-copper alloy nanospheres as efficient catalysts for ethylene glycol electrooxidation. <i>Journal of Colloid and Interface Science</i> , 2019, 551, 81-88.	9.4	19
58	Facile preparation of flower-like graphene-nanosheet clusters with the assistance of copper particles and their application in supercapacitors. <i>RSC Advances</i> , 2014, 4, 500-504.	3.6	18
59	Monodispersed porous flowerlike PtAu nanocrystals as effective electrocatalysts for ethanol oxidation. <i>Applied Surface Science</i> , 2017, 422, 172-178.	6.1	18
60	Enhanced TA determination on 3D flower-like ZnO-Pt nanocomposites under ultraviolet light illumination. <i>Sensors and Actuators B: Chemical</i> , 2017, 252, 717-724.	7.8	18
61	Plasmonic and photo-electrochemical enhancements of the AuAg@Au/RGO-C <sub>3</sub> N <sub>4</sub> nanocomposite for the detection of DA. <i>Analyst</i> , The, 2017, 142, 4852-4861.	3.5	18
62	Facile fabrication of PtCuAu nanoparticles modified reduced graphene oxide with high electrocatalytic activity toward formic acid oxidation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 467, 211-215.	4.7	17
63	Graphene nanosheet-supported Pd nano-leaves with highly efficient electrocatalytic performance for formic acid oxidation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 488, 1-6.	4.7	17
64	A facile synthesis of 3D network PdCu nanostructure with enhanced electrocatalytic activity towards ethanol oxidation. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017, 75, 12-17.	5.3	17
65	Exceptional ethylene glycol electrooxidation enabled by high-quality PdAgCu hollow nanospheres. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018, 91, 405-412.	5.3	17
66	Surface plasmon enhanced ethylene glycol electrooxidation based on hollow platinum-silver nanodendrites structures. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018, 91, 316-322.	5.3	17
67	A new ratiometric electrochemical sensor using electroactive GO/MB/Ag nanocomposites for H <sub>2</sub> S detection in biological samples. <i>Journal of Nanoparticle Research</i> , 2020, 22, 1.	1.9	17
68	Enhancement of methanol electrocatalytic oxidation on platinumized WO <sub>3</sub> -TiO <sub>2</sub> composite electrode under visible light irradiation. <i>Materials Research Bulletin</i> , 2013, 48, 1099-1104.	5.2	16
69	Ultrathin one-dimensional platinum-cobalt nanowires as efficient catalysts for the glycerol oxidation reaction. <i>Journal of Colloid and Interface Science</i> , 2019, 556, 441-448.	9.4	16
70	The chain-typed nanoflowers structure endows PtBi with highly electrocatalytic activity of ethylene glycol oxidation. <i>Journal of Alloys and Compounds</i> , 2019, 789, 834-840.	5.5	16
71	Highly enhanced ethanol electrocatalytic activity of PdPb network nanocomposites achieved by a small amount platinum modification. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 502, 13-18.	4.7	14
72	Au Nanochains Anchored on 3D Polyaniline/Reduced Graphene Oxide Nanocomposites as a High-Performance Catalyst for Ethanol Electrooxidation. <i>ChemElectroChem</i> , 2017, 4, 1937-1943.	3.4	12

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73	Visible-light-driven trimetallic Pt-Ag-Ni alloy nanoparticles for efficient nanoelectrocatalytic oxidation of alcohols. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018, 93, 616-624.	5.3	11
74	One-pot Synthesis of PtSn Bimetallic Composites and Their Application as Highly Active Catalysts for Ethanol Electrooxidation. <i>ChemPlusChem</i> , 2016, 81, 93-99.	2.8	10
75	Highly active electrooxidation of ethylene glycol enabled by pinecone-like Pd-Au-Ag nanocatalysts. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018, 83, 64-73.	5.3	10
76	Facile construction of satellite-like PtAu nanocrystals with dendritic shell as highly efficient electrocatalysts toward ethylene glycol oxidation. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017, 80, 607-613.	5.3	9