

Wei Wang

List of Publications by Year in descending order

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65
papers

1,842
citations

257450

24
h-index

289244

40
g-index

65
all docs

65
docs citations

65
times ranked

2120
citing authors

#	ARTICLE	IF	CITATIONS
1	Developing a high-effective Pt-based phosphating catalyst for direct ethylene glycol fuel cells. <i>Journal of Alloys and Compounds</i> , 2022, 890, 161899.	5.5	7
2	Porous rare earth-transition metal bimetallic oxide nanoparticles oxygen electrocatalyst for rechargeable Zinc-air battery. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2022, 134, 104280.	5.3	9
3	Mo, Fe bimetallic carbide composite as high stability electrocatalyst for oxygen reduction reaction. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 108052.	6.7	15
4	Sn and N co-doped porous carbon catalyst electrochemically reduce CO ₂ into tunable syngas. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2021, 121, 122-127.	5.3	7
5	Electrocatalytic Production of Tunable Syngas from CO ₂ via a Metal-Free Porous Nitrogen-Doped Carbon. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 7739-7745.	3.7	10
6	Molybdenum carbide-nitrogen doped carbon composites as effective non-precious electrocatalyst for direct hydrazine fuel cell. <i>Electrochimica Acta</i> , 2021, 384, 138417.	5.2	37
7	Phosphating a Pd-rich dealloyed PdCo ₃ nanoparticles: An effective electrocatalyst for glycerol oxidation reaction. <i>Journal of Alloys and Compounds</i> , 2021, 868, 159058.	5.5	8
8	Highly ordered micro-meso-macroporous Co-N-doped carbon polyhedrons from bimetal-organic frameworks for rechargeable Zn-air batteries. <i>Journal of Colloid and Interface Science</i> , 2021, 598, 83-92.	9.4	25
9	CoS ₂ strongly coupled with porous FeNC as efficient and stable electrocatalyst for rechargeable zinc-air batteries. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2021, 118, 334-341.	5.3	10
10	A novel N and Se codoped-carbon support anchoring Pd nanoparticles as an efficient electrocatalyst towards ethylene glycol electrooxidation. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2020, 252, 114467.	3.5	8
11	Nitrogen-modified metal-organic framework-based carbon: An effective non-precious electrocatalyst for oxygen reduction reaction. <i>Catalysis Communications</i> , 2020, 146, 106135.	3.3	12
12	A multi-component system for urea electrooxidation: Ir ₃ Sn nanoparticles loading on Iron- and Nitrogen- codoped composite carbon support. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2020, 112, 116-121.	5.3	6
13	3D Rosa centifolia-like CeO ₂ encapsulated with N-doped carbon as an enhanced electrocatalyst for Zn-air batteries. <i>Journal of Colloid and Interface Science</i> , 2020, 578, 796-804.	9.4	37
14	Dealloying Co-Rich PtPdCo Nanoparticles on Nitrogen Modified Carbon as Advanced Electrocatalyst for Ethylene Glycol Oxidation. <i>Journal of the Electrochemical Society</i> , 2020, 167, 044518.	2.9	8
15	Etching high-Fe-content PtPdFe nanoparticles as efficient catalysts towards glycerol electrooxidation. <i>New Journal of Chemistry</i> , 2020, 44, 4604-4612.	2.8	11
16	Phosphatized pseudo-core-shell Ni@Pt/C electrocatalysts for efficient hydrazine oxidation reaction. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 6360-6368.	7.1	10
17	Effective tunable syngas generation via CO ₂ reduction reaction by non-precious Fe-N-C electrocatalyst. <i>Chemical Engineering Journal</i> , 2020, 389, 124323.	12.7	63
18	Prussian blue analogue derived Pd-Co composite bifunctional electrocatalyst for Zn-air battery. <i>Journal of Alloys and Compounds</i> , 2020, 832, 154896.	5.5	21

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19	An Economic Magnetic Adsorbent for Acid Blue 80 and Methylene Blue Removal. <i>ChemistrySelect</i> , 2019, 4, 9174-9178.	1.5	9
20	Nickel-cobalt alloy doping phosphorus as advanced electrocatalyst for hydrazine oxidation. <i>Journal of Alloys and Compounds</i> , 2019, 807, 151648.	5.5	27
21	A metal-organic framework derived PtCo/C electrocatalyst for ethanol electro-oxidation. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2019, 104, 284-292.	5.3	16
22	Flame synthesis of nitrogen, boron co-doped carbon as efficient electrocatalyst for oxygen reduction reaction. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 4771-4779.	7.1	24
23	Carbon-supported phosphatized CuNi nanoparticle catalysts for hydrazine electrooxidation. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 10637-10645.	7.1	34
24	2D Electron Gas and Oxygen Vacancy Induced High Oxygen Evolution Performances for Advanced Co ₃ O ₄ /CeO ₂ Nanohybrids. <i>Advanced Materials</i> , 2019, 31, e1900062.	21.0	242
25	A phosphatized pseudo-core-shell Fe@Cu-P/C electrocatalyst for efficient hydrazine oxidation reaction. <i>Journal of Alloys and Compounds</i> , 2019, 787, 104-111.	5.5	14
26	An adenine-originated N-doped carbon supporting Pd ₃ Ru nanoparticle with high performance for glycerol electrooxidation. <i>Journal of Materials Science</i> , 2019, 54, 4579-4588.	3.7	5
27	Developing an advanced electrocatalyst derived from Ce(TTA) ₃ Phen embedded polyaniline for oxygen reduction reaction. <i>Applied Surface Science</i> , 2019, 465, 979-985.	6.1	11
28	Facile fabricate stable rare-earth bimetallic carbide as electrocatalyst for active oxygen reduction reaction. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018, 84, 93-100.	5.3	9
29	Astragali Radix-derived nitrogen-doped porous carbon: An efficient electrocatalyst for the oxygen reduction reaction. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 551-561.	7.1	21
30	Supporting Pd nanoparticles on riboflavin-derived carbon: an efficient electrocatalyst for ethylene glycol oxidation. <i>Ionics</i> , 2018, 24, 1745-1754.	2.4	8
31	PdAu nanoparticles anchored on P and Se codoped carbon support as an efficacious electrocatalyst towards glycerol electrooxidation. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018, 93, 500-508.	5.3	12
32	Achieving high electrocatalytic performance towards isopropanol electrooxidation based on a novel N-doping carbon anchored Pd ₃ Fe alloy. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 15952-15961.	7.1	7
33	CeO ₂ overlapped with nitrogen-doped carbon layer anchoring Pt nanoparticles as an efficient electrocatalyst towards oxygen reduction reaction. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 12119-12128.	7.1	22
34	Nitrogen-doped carbon layer coated CeNiO _x as electrocatalyst for oxygen reduction reaction. <i>Journal of Alloys and Compounds</i> , 2018, 761, 8-14.	5.5	9
35	Amorphous ultra-dispersed Pt clusters supported on nitrogen functionalized carbon: A superior electrocatalyst for glycerol electrooxidation. <i>Journal of Power Sources</i> , 2018, 399, 357-362.	7.8	38
36	Microwave-assisted synthesis of Pd ₃ Ag nanocomposite via nature polysaccharide applied to glucose detection. <i>International Journal of Biological Macromolecules</i> , 2018, 118, 2065-2070.	7.5	5

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37	Heterogeneous Ir ₃ Sn@CeO ₂ /C as alternative Pt-free electrocatalysts for ethanol oxidation in acidic media. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 9775-9783.	7.1	13
38	Combining Bimetallic-Alloy with Selenium Functionalized Carbon to Enhance Electrocatalytic Activity towards Glucose Oxidation. <i>Electrochimica Acta</i> , 2017, 244, 16-25.	5.2	51
39	Sm ₂ O ₃ embedded in nitrogen doped carbon with mosaic structure: An effective catalyst for oxygen reduction reaction. <i>Energy</i> , 2017, 133, 115-120.	8.8	36
40	Cerium carbide embedded in nitrogen-doped carbon as a highly active electrocatalyst for oxygen reduction reaction. <i>Journal of Power Sources</i> , 2017, 359, 487-493.	7.8	32
41	Pd ₃ Cu coupling with nitrogen-doped mesoporous carbon to boost performance in glycerol oxidation. <i>Applied Catalysis A: General</i> , 2017, 538, 123-130.	4.3	27
42	Phenolic resin/chitosan composite derived nitrogen-doped carbon as highly durable and anti-poisoning electrocatalyst for oxygen reduction reaction. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 26704-26712.	7.1	7
43	High performance Pt _x Eu alloys as effective electrocatalysts for ammonia electro-oxidation. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 18959-18967.	7.1	36
44	Facile and scalable preparation of nitrogen, phosphorus codoped nanoporous carbon as oxygen reduction reaction electrocatalyst. <i>Electrochimica Acta</i> , 2017, 248, 11-19.	5.2	23
45	Ni ₅ Sm-P/C ternary alloyed catalyst as highly efficient electrocatalyst for urea electrooxidation. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017, 80, 326-332.	5.3	28
46	Encapsulated NdCuO _x bimetallic nanoparticles with nitrogen doped carbon as an efficient electrocatalyst for oxygen reduction reaction. <i>Electrochimica Acta</i> , 2017, 258, 1404-1412.	5.2	16
47	Tuning the performance of nitrogen, phosphorus co-doped nanoporous carbon for oxygen reduction reaction. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017, 80, 728-737.	5.3	10
48	A Highly Efficient Pt-NiO/C Electrocatalyst for Ammonia Electro-Oxidation. <i>Journal of the Electrochemical Society</i> , 2017, 164, F958-F965.	2.9	34
49	An effective Pd-NiO _x -P composite catalyst for glycerol electrooxidation: Co-existed phosphorus and nickel oxide to enhance performance of Pd. <i>Chemical Engineering Journal</i> , 2017, 308, 419-427.	12.7	82
50	Facile synthesis of a ternary Pd-P-B nanoalloy: Enhanced catalytic performance towards ethylene glycol electrooxidation. <i>Applied Catalysis A: General</i> , 2016, 525, 1-8.	4.3	41
51	PdSn alloy supported on phenanthroline-functionalized carbon as highly active electrocatalysts for glycerol oxidation. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 1272-1280.	7.1	50
52	A facile precipitation procedure for synthesis of binary Sn-Co oxide promoting Pd catalyst towards glucose electrooxidation. <i>Electrochimica Acta</i> , 2016, 189, 295-302.	5.2	31
53	Dealloyed different atom ratios Pd _x (FeCo) _{10-x} nanoparticle: Promising electrocatalyst towards ethylene glycol oxidation. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 300-306.	7.1	13
54	Carbon supported heterostructured Pd@Ag nanoparticle: Highly active electrocatalyst for ethylene glycol oxidation. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 2225-2230.	7.1	50

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55	Pd ₃ Ni nanoparticles combines carbonized 1,10-phenanthroline modified carbon support: A highly efficient electrocatalyst for enhanced methanol oxidation. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 3892-3899.	7.1	18
56	Carbonized phenanthroline functionalized carbon as an alternative support: a strategy to intensify Pt activity and durability for methanol oxidation. <i>RSC Advances</i> , 2015, 5, 17216-17222.	3.6	8
57	Pd nanoparticles supported on 1H-benzotriazole functionalized carbon with enhanced catalytic performance towards ethanol oxidation. <i>Applied Catalysis A: General</i> , 2015, 505, 410-415.	4.3	10
58	Fe-Co hybrid oxides promoted Pd electrocatalysts with enhanced catalytic performance for ethylene glycol oxidation. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 10041-10048.	7.1	16
59	Partially oxidized NiFe alloy: An effective promoter to enhance Pd electrocatalytic performance for ethylene glycol oxidation. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 12262-12267.	7.1	12
60	Pd nanoparticles supported on phenanthroline modified carbon as high active electrocatalyst for ethylene glycol oxidation. <i>Electrochimica Acta</i> , 2015, 154, 1-8.	5.2	43
61	Hybrid NiCoO _x adjacent to Pd nanoparticles as a synergistic electrocatalyst for ethanol oxidation. <i>Journal of Power Sources</i> , 2015, 273, 631-637.	7.8	72
62	A green method to prepare Pd-Ag nanoparticles supported on reduced graphene oxide and their electrochemical catalysis of methanol and ethanol oxidation. <i>Journal of Power Sources</i> , 2014, 263, 13-21.	7.8	190
63	Nanoparticulate TiO ₂ -promoted PtRu/C catalyst for methanol oxidation. <i>Ionics</i> , 2013, 19, 529-534.	2.4	16
64	Nanoporous PdNi/C Electrocatalyst Prepared by Dealloying High-Ni-content PdNi Alloy for Formic Acid Oxidation. <i>Fuel Cells</i> , 2012, 12, 1129-1133.	2.4	24
65	Amorphous CoSn alloys decorated by Pt as high efficiency electrocatalysts for ethanol oxidation. <i>Journal of Power Sources</i> , 2011, 196, 8000-8003.	7.8	36