

# Guoyu Zhong

## List of Publications by Year in descending order

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62  
papers

2,638  
citations

230014

27  
h-index

214428

50  
g-index

64  
all docs

64  
docs citations

64  
times ranked

4350  
citing authors

#	ARTICLE	IF	CITATIONS
1	Confined Cobalt on Carbon Nanotubes in Solvent-free Aerobic Oxidation of Ethylbenzene: Enhanced Interfacial Charge Transfer. <i>ChemCatChem</i> , 2022, 14, .	1.8	7
2	Self-nitrogen-doped porous carbon prepared via pyrolysis of grass-blade without additive for oxygen reduction reaction. <i>Diamond and Related Materials</i> , 2022, 121, 108742.	1.8	9
3	PtRu Catalysts on Nitrogen-Doped Carbon Nanotubes with Conformal Hydrogenated TiO <sub>2</sub> Shells for Methanol Oxidation. <i>ACS Applied Nano Materials</i> , 2022, 5, 3275-3288.	2.4	15
4	Solvent-Free Production of $\epsilon$ -Caprolactone from Oxidation of Cyclohexanone Catalyzed by Nitrogen-Doped Carbon Nanotubes. <i>Industrial &amp; Engineering Chemistry Research</i> , 2022, 61, 2037-2044.	1.8	6
5	Controllable Surfactant-free Synthesis of Colloidal Platinum Nanocuboids Enabled by Bromide Ions and Carbon Monoxide. <i>ChemElectroChem</i> , 2022, 9, .	1.7	2
6	Catalytic Synthesis of Lactones from Alkanes in the Presence of Aldehydes and Carbon Nanotubes. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 6713-6723.	3.2	4
7	MnO <sub>2</sub> nanoparticles supported on CNTs for cumene oxidation: Synergistic effect and kinetic modelling. <i>Chemical Engineering Journal</i> , 2022, 444, 136666.	6.6	11
8	Unprecedented Selective Aerobic Oxidation of Alcohols to Carbonyl Compounds Over Drilled Carbon Nanotubes Assisted with Fe(NO <sub>3</sub> ) <sub>3</sub> . <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 7564-7575.	3.2	1
9	Configuration Sensitivity of Electrocatalytic Oxygen Reduction Reaction on Nitrogen-Doped Graphene. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 6187-6193.	2.1	1
10	New Understanding of Selective Aerobic Oxidation of Ethylbenzene Catalyzed by Nitrogen-doped Carbon Nanotubes. <i>ChemCatChem</i> , 2021, 13, 646-655.	1.8	20
11	Green synthesis of iron and nitrogen co-doped porous carbon via pyrolysing lotus root as a high-performance electrocatalyst for oxygen reduction reaction. <i>International Journal of Energy Research</i> , 2021, 45, 10393-10408.	2.2	17
12	Porous Carbon Nanosheets Derived from ZIF-8 Treated with KCl as Highly Efficient Electrocatalysts for the Oxygen Reduction Reaction. <i>Energy Technology</i> , 2021, 9, 2100035.	1.8	21
13	Pt-calcium cobaltate enables sorption-enhanced steam reforming of glycerol coupled with chemical-looping CH <sub>4</sub> combustion. <i>AIChE Journal</i> , 2021, 67, e17383.	1.8	2
14	Inhibitory effect of Zn <sup>2+</sup> on the chain-initiation process of cumene oxidation. <i>International Journal of Quantum Chemistry</i> , 2021, 121, e26780.	1.0	11
15	Radical Propagation Facilitating Aerobic Oxidation of Substituted Aromatics Promoted by Tert-Butyl Hydroperoxide. <i>ChemistrySelect</i> , 2021, 6, 6895-6903.	0.7	2
16	Understanding the Catalytic Sites in Porous Hexagonal Boron Nitride for the Epoxidation of Styrene. <i>ACS Catalysis</i> , 2021, 11, 8872-8880.	5.5	20
17	Wheat-Flour-Derived Magnetic Porous Carbons by CaCl <sub>2</sub> -Activation and their Application in Cr(VI) Removal. <i>ChemistrySelect</i> , 2021, 6, 13215-13223.	0.7	2
18	Heat-regulating effects of inert salts on magnesiothermic reduction preparation of silicon nanopowder for lithium storage. <i>Ionics</i> , 2020, 26, 1249-1259.	1.2	6

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19	Synergistic Effect of Nitrogen Dopants on Carbon Nanotubes on the Catalytic Selective Epoxidation of Styrene. <i>ACS Catalysis</i> , 2020, 10, 129-137.	5.5	55
20	Chlorine-Promoted Nitrogen and Sulfur Co-Doped Biocarbon Catalyst for Electrochemical Carbon Dioxide Reduction. <i>ChemElectroChem</i> , 2020, 7, 320-327.	1.7	20
21	Effect of Experimental Operations on the Limiting Current Density of Oxygen Reduction Reaction Evaluated by Rotating-Disk Electrode. <i>ChemElectroChem</i> , 2020, 7, 1107-1114.	1.7	52
22	Oxygen Doping in Graphitic Carbon Nitride for Enhanced Photocatalytic Hydrogen Evolution. <i>ChemSusChem</i> , 2020, 13, 5041-5049.	3.6	28
23	Biomass-Derived Nitrogen-Doped Porous Carbons Activated by Magnesium Chloride as Ultrahigh-Performance Supercapacitors. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 21756-21767.	1.8	28
24	Trace amounts of Cu(OAc) <sub>2</sub> boost the efficiency of cumene oxidation catalyzed by carbon nanotubes washed with HCl. <i>Catalysis Science and Technology</i> , 2020, 10, 2523-2530.	2.1	22
25	Intrinsic acid resistance and high removal performance from the incorporation of nickel nanoparticles into nitrogen doped tubular carbons for environmental remediation. <i>Journal of Colloid and Interface Science</i> , 2020, 566, 46-59.	5.0	21
26	Selective Catalytic Oxidation of Benzyl Alcohol to Benzaldehyde by Nitrates. <i>Frontiers in Chemistry</i> , 2020, 8, 151.	1.8	16
27	Hydrogen Production from Sorption-Enhanced Steam Reforming of Phenol over a Ni-Ca-Al-O Bifunctional Catalyst. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 7111-7120.	3.2	28
28	Electron-Rich Ruthenium on Nitrogen-Doped Carbons Promoting Levulinic Acid Hydrogenation to $\gamma$ -Valerolactone: Effect of Metal-Support Interaction. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 16501-16510.	3.2	64
29	Electronic synergism of pyridinic- and graphitic-nitrogen on N-doped carbons for the oxygen reduction reaction. <i>Chemical Science</i> , 2019, 10, 1589-1596.	3.7	170
30	Elucidating Interaction between Palladium and N-Doped Carbon Nanotubes: Effect of Electronic Property on Activity for Nitrobenzene Hydrogenation. <i>ACS Catalysis</i> , 2019, 9, 2893-2901.	5.5	101
31	Facile Synthesis of Cobalt and Nitrogen Coordinated Carbon Nanotube as a High-Performance Electrocatalyst for Oxygen Reduction Reaction in Both Acidic and Alkaline Media. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 10951-10961.	3.2	21
32	Calcium Chloride Activation of Mung Bean: A Low-Cost, Green Route to N-Doped Porous Carbon for Supercapacitors. <i>ChemistrySelect</i> , 2019, 4, 3432-3439.	0.7	21
33	Superoxide Decay Pathways in Oxygen Reduction Reaction on Carbon-Based Catalysts Evidenced by Theoretical Calculations. <i>ChemSusChem</i> , 2019, 12, 1133-1138.	3.6	13
34	Highly efficient and acid-corrosion resistant nitrogen doped magnetic carbon nanotubes for the hexavalent chromium removal with subsequent reutilization. <i>Chemical Engineering Journal</i> , 2019, 361, 547-558.	6.6	41
35	Mn <sub>3</sub> O <sub>4</sub> @C Nanoparticles Supported on Porous Carbon as Bifunctional Oxygen Electrodes and their Electrocatalytic Mechanism. <i>ChemElectroChem</i> , 2019, 6, 359-368.	1.7	32
36	Preparation of nitrogen and sulfur co-doped ultrathin graphitic carbon via annealing bagasse lignin as potential electrocatalyst towards oxygen reduction reaction in alkaline and acid media. <i>Journal of Energy Chemistry</i> , 2019, 34, 33-42.	7.1	44

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37	Unraveling the intrinsic enhancement of fluorine doping in the dual-doped magnetic carbon adsorbent for the environmental remediation. <i>Journal of Colloid and Interface Science</i> , 2019, 538, 327-339.	5.0	18
38	Catalytic wet air oxidation of phenol over carbon nanotubes: Synergistic effect of carboxyl groups and edge carbons. <i>Carbon</i> , 2018, 133, 464-473.	5.4	41
39	Co9S8-porous carbon spheres as bifunctional electrocatalysts with high activity and stability for oxygen reduction and evolution reactions. <i>Electrochimica Acta</i> , 2018, 265, 32-40.	2.6	58
40	Calcium cobaltate: a phase-change catalyst for stable hydrogen production from bio-glycerol. <i>Energy and Environmental Science</i> , 2018, 11, 660-668.	15.6	38
41	A kinetics study on cumene oxidation catalyzed by carbon nanotubes: Effect of N-doping. <i>Chemical Engineering Science</i> , 2018, 177, 391-398.	1.9	40
42	Nickel Nanoparticles Encapsulated in Nitrogen-Doped Carbon Nanotubes as Excellent Bifunctional Oxygen Electrode for Fuel Cell and Metal-Air Battery. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 15108-15118.	3.2	42
43	Dual Functional CuO Clusters for Enhanced Photocatalytic Activity and Stability of a Pt Cocatalyst in an Overall Water-Splitting Reaction. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 17340-17351.	3.2	15
44	Hexavalent chromium removal over magnetic carbon nanoadsorbents: synergistic effect of fluorine and nitrogen co-doping. <i>Journal of Materials Chemistry A</i> , 2018, 6, 13062-13074.	5.2	145
45	Novel Highly Active Anatase/Rutile TiO <sub>2</sub> Photocatalyst with Hydrogenated Heterophase Interface Structures for Photoelectrochemical Water Splitting into Hydrogen. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 10823-10832.	3.2	69
46	Valorization of Biomass Hydrolysis Waste: Activated Carbon from Humins as Exceptional Sorbent for Wastewater Treatment. <i>Sustainability</i> , 2018, 10, 1795.	1.6	21
47	Poly(vinylidene fluoride) derived fluorine-doped magnetic carbon nanoadsorbents for enhanced chromium removal. <i>Carbon</i> , 2017, 115, 503-514.	5.4	60
48	Unravelling the radical transition during the carbon-catalyzed oxidation of cyclohexane by in situ electron paramagnetic resonance in the liquid phase. <i>Catalysis Science and Technology</i> , 2017, 7, 4431-4436.	2.1	18
49	Magnetic Nanocarbon Adsorbents with Enhanced Hexavalent Chromium Removal: Morphology Dependence of Fibrillar vs Particulate Structures. <i>Industrial &amp; Engineering Chemistry Research</i> , 2017, 56, 10689-10701.	1.8	267
50	Effect of the surface roughness of copper substrate on three-dimensional tin electrode for electrochemical reduction of CO <sub>2</sub> into HCOOH. <i>Journal of CO<sub>2</sub> Utilization</i> , 2017, 21, 219-223.	3.3	23
51	A Review of Carbon-based Non-noble Catalysts for Oxygen Reduction Reaction. <i>Acta Chimica Sinica</i> , 2017, 75, 943.	0.5	15
52	One-pot melamine derived nitrogen doped magnetic carbon nanoadsorbents with enhanced chromium removal. <i>Carbon</i> , 2016, 109, 640-649.	5.4	125
53	Chemically drilling carbon nanotubes for electrocatalytic oxygen reduction reaction. <i>Electrochimica Acta</i> , 2016, 190, 49-56.	2.6	34
54	Aerobic oxidation of $\alpha$ -pinene catalyzed by carbon nanotubes. <i>Catalysis Science and Technology</i> , 2015, 5, 3935-3944.	2.1	32

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55	O <sub>2</sub> and H <sub>2</sub> O <sub>2</sub> transformation steps for the oxygen reduction reaction catalyzed by graphitic nitrogen-doped carbon nanotubes in acidic electrolyte from first principles calculations. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 21950-21959.	1.3	22
56	Nitrogen doped carbon nanotubes with encapsulated ferric carbide as excellent electrocatalyst for oxygen reduction reaction in acid and alkaline media. <i>Journal of Power Sources</i> , 2015, 286, 495-503.	4.0	121
57	Low Pt content catalyst supported on nitrogen and phosphorus-codoped carbon nanotubes for electrocatalytic O <sub>2</sub> reaction in acidic medium. <i>Materials Letters</i> , 2015, 142, 115-118.	1.3	15
58	The effect of edge carbon of carbon nanotubes on the electrocatalytic performance of oxygen reduction reaction. <i>Electrochemistry Communications</i> , 2014, 40, 5-8.	2.3	55
59	Selective Allylic Oxidation of Cyclohexene Catalyzed by Nitrogen-Doped Carbon Nanotubes. <i>ACS Catalysis</i> , 2014, 4, 1617-1625.	5.5	143
60	A Novel Carbon-Encapsulated Cobalt-Tungsten Carbide as Electrocatalyst for Oxygen Reduction Reaction in Alkaline Media. <i>Fuel Cells</i> , 2013, 13, 387-391.	1.5	30
61	sp <sup>2</sup> - and sp <sup>3</sup> -hybridized carbon materials as catalysts for aerobic oxidation of cyclohexane. <i>Catalysis Science and Technology</i> , 2013, 3, 2654.	2.1	46
62	Nitrogen-, phosphorous- and boron-doped carbon nanotubes as catalysts for the aerobic oxidation of cyclohexane. <i>Carbon</i> , 2013, 57, 433-442.	5.4	209