Yuesheng Wang

List of Publications by Citations

37 papers	1,432 citations	20 h-index	37 g-index
40 ext. papers	1,879 ext. citations	11.3 avg, IF	4.63 L-index

#	Paper	IF	Citations
37	S-Doping of an Fe/N/C ORR Catalyst for Polymer Electrolyte Membrane Fuel Cells with High Power Density. *Angewandte Chemie - International Edition*, **2015**, 54, 9907-10	16.4	335
36	Networking Pyrolyzed Zeolitic Imidazolate Frameworks by Carbon Nanotubes Improves Conductivity and Enhances Oxygen-Reduction Performance in Polymer-Electrolyte-Membrane Fuel Cells. *Advanced Materials*, **2017**, 29, 1604556	24	119
35	S-Doping of an Fe/N/C ORR Catalyst for Polymer Electrolyte Membrane Fuel Cells with High Power Density. *Angewandte Chemie*, **2015**, 127, 10045-10048	3.6	116
34	Insight into the different ORR catalytic activity of Fe/N/C between acidic and alkaline media: Protonation of pyridinic nitrogen. *Electrochemistry Communications*, **2016**, 73, 71-74	5.1	84
33	Recent Advances in Electrocatalysts for Proton Exchange Membrane Fuel Cells and Alkaline Membrane Fuel Cells. *Advanced Materials*, **2021**, e2006292	24	71
32	Aminothiazole-derived N,S,Fe-doped graphene nanosheets as high performance electrocatalysts for oxygen reduction. *Chemical Communications*, **2015**, 51, 17092-5	5.8	68
31	Constructing a Triple-Phase Interface in Micropores to Boost Performance of Fe/N/C Catalysts for Direct Methanol Fuel Cells. *ACS Energy Letters*, **2017**, 2, 645-650	20.1	61
30	Atomically Dispersed Semimetallic Selenium on Porous Carbon Membrane as an Electrode for Hydrazine Fuel Cells. *Angewandte Chemie - International Edition*, **2019**, 58, 13466-13471	16.4	55
29	Sulfur-doping achieves efficient oxygen reduction in pyrolyzed zeolitic imidazolate frameworks. *Journal of Materials Chemistry A*, **2016**, 4, 4457-4463	13	51
28	SiO2-Fe/N/C catalyst with enhanced mass transport in PEM fuel cells. *Applied Catalysis B: Environmental*, **2020**, 264, 118523	21.8	44
27	Surface Fluorination to Boost the Stability of the Fe/N/C Cathode in Proton Exchange Membrane Fuel Cells. *ChemElectroChem*, **2018**, 5, 1914-1921	4.3	41
26	Three-Dimensional Networks of S-Doped Fe/N/C with Hierarchical Porosity for Efficient Oxygen Reduction in Polymer Electrolyte Membrane Fuel Cells. *ACS Applied Materials & Interfaces*, **2018**, 10, 14602-14613	9.5	40
25	A General Carboxylate-Assisted Approach to Boost the ORR Performance of ZIF-Derived Fe/N/C Catalysts for Proton Exchange Membrane Fuel Cells. *Advanced Functional Materials*, **2021**, 31, 2009645	15.6	36
24	Tunable Cobalt-Polypyridyl Catalysts Supported on Metal-Organic Layers for Electrochemical CO Reduction at Low Overpotentials. *Journal of the American Chemical Society*, **2020**, 142, 21493-21501	16.4	32
23	Atomically deviated Pd-Te nanoplates boost methanol-tolerant fuel cells. *Science Advances*, **2020**, 6, eaba9731	14.3	27
22	Nitrogen-doped carbon nanotubes with encapsulated Fe nanoparticles as efficient oxygen reduction catalyst for alkaline membrane direct ethanol fuel cells. *Carbon*, **2017**, 125, 605-613	10.4	24
21	Suppression Effect of Small Organic Molecules on Oxygen Reduction Activity of Fe/N/C Catalysts. *ACS Energy Letters*, **2018**, 3, 1396-1401	20.1	24

20	Hierarchically porous carbons as supports for fuel cell electrocatalysts with atomically dispersed Fe-N moieties. *Chemical Science*, **2019**, 10, 8236-8240	9.4	23
19	Atomically Dispersed Semimetallic Selenium on Porous Carbon Membrane as an Electrode for Hydrazine Fuel Cells. *Angewandte Chemie*, **2019**, 131, 13600-13605	3.6	21
18	A mesoporous Fe/N/C ORR catalyst for polymer electrolyte membrane fuel cells. *Chinese Journal of Catalysis*, **2016**, 37, 1103-1108	11.3	21
17	Porous Carbon Membrane-Supported Atomically Dispersed Pyrrole-Type Fe?N as Active Sites for Electrochemical Hydrazine Oxidation Reaction. *Small*, **2020**, 16, e2002203	11	19
16	Fe, N, S-doped porous carbon as oxygen reduction reaction catalyst in acidic medium with high activity and durability synthesized using CaCl 2 as template. *Chinese Journal of Catalysis*, **2017**, 38, 673-682	11.3	16
15	Amplified Interfacial Effect in an Atomically Dispersed RuO -on-Pd 2D Inverse Nanocatalyst for High-Performance Oxygen Reduction. *Angewandte Chemie - International Edition*, **2021**, 60, 16093-16100	16.4	16
14	KOH-doped polybenzimidazole membrane for direct hydrazine fuel cell. *Journal of Colloid and Interface Science*, **2020**, 563, 27-32	9.3	15
13	Advanced Heteroatom-Doped Porous Carbon Membranes Assisted by Poly(ionic liquid) Design and Engineering. *Accounts of Materials Research*, **2020**, 1, 16-29	7.5	14
12	Hierarchically Porous Carbons Derived from Nonporous Coordination Polymers. *ACS Applied Materials & Interfaces*, **2020**, 12, 25211-25220	9.5	12
11	ZIF-derived Co□□ ORR catalyst with high performance in proton exchange membrane fuel cells. *Progress in Natural Science: Materials International*, **2020**, 30, 855-860	3.6	12
10	A Mild CO Etching Method To Tailor the Pore Structure of Platinum-Free Oxygen Reduction Catalysts in Proton Exchange Membrane Fuel Cells. *ACS Applied Materials & Interfaces*, **2021**, 13, 45661-45669	9.5	7
9	The construction of integrated Si-based micro proton exchange membrane fuel cells with improved performances. *Nano Energy*, **2019**, 61, 604-610	17.1	6
8	Liquid-inlet online electrochemical mass spectrometry for the in operando monitoring of direct ethanol fuel cells. *Electrochemistry Communications*, **2018**, 87, 91-95	5.1	5
7	Generation Pathway of Hydroxyl Radical in Fe/N/C-Based Oxygen Reduction Electrocatalysts under Acidic Media. *Journal of Physical Chemistry Letters*, **2021**, 12, 7797-7803	6.4	5
6	Amplified Interfacial Effect in an Atomically Dispersed RuOx-on-Pd 2D Inverse Nanocatalyst for High-Performance Oxygen Reduction. *Angewandte Chemie*, **2021**, 133, 16229-16236	3.6	3
5	Hydrazine Oxidation Reaction: Porous Carbon Membrane-Supported Atomically Dispersed Pyrrole-Type Fe?N4 as Active Sites for Electrochemical Hydrazine Oxidation Reaction (Small 31/2020). *Small*, **2020**, 16, 2070171	11	2
4	Impact of Pore Structure on Two-Electron Oxygen Reduction Reaction in Nitrogen-Doped Carbon Materials: Rotating Ring-Disk Electrode vs. Flow Cell.. *ChemSusChem*, **2022**, e202102587	8.3	1
3	Revealing the concentration of hydrogen peroxide in fuel cell catalyst layers by an in-operando approach. *Chinese Journal of Catalysis*, **2022**, 43, 1918-1926	11.3	1

2	A Top-Down Templating Strategy toward Functional Porous Carbons. *Small*,2201838	11	0
1	Innentitelbild: Atomically Dispersed Semimetallic Selenium on Porous Carbon Membrane as an Electrode for Hydrazine Fuel Cells (Angew. Chem. 38/2019). *Angewandte Chemie*, **2019**, 131, 13298-13298	36	