

Xianyun Peng

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

1,814
citations

331670

21
h-index

580821

25
g-index

29
all docs

29
docs citations

29
times ranked

2281
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Nitrogen-coordinated single Fe sites for efficient electrocatalytic N ₂ fixation in neutral media. <i>Nano Energy</i> , 2019, 61, 420-427. | 16.0 | 318 |
| 2 | Isolated copper single sites for high-performance electroreduction of carbon monoxide to multicarbon products. <i>Nature Communications</i> , 2021, 12, 238. | 12.8 | 169 |
| 3 | Atomic Fe-Zn dual-metal sites for high-efficiency pH-universal oxygen reduction catalysis. <i>Nano Research</i> , 2021, 14, 1374-1381. | 10.4 | 148 |
| 4 | Trifunctional Single-Atom Ru Sites Enable Efficient Overall Water Splitting and Oxygen Reduction in Acidic Media. <i>Small</i> , 2020, 16, e2002888. | 10.0 | 120 |
| 5 | Efficient and stable electroreduction of CO ₂ to CH ₄ on CuS nanosheet arrays. <i>Journal of Materials Chemistry A</i> , 2017, 5, 20239-20243. | 10.3 | 119 |
| 6 | Highly Productive Electrosynthesis of Ammonia by Admolecule-Targeting Single Ag Sites. <i>ACS Nano</i> , 2020, 14, 6938-6946. | 14.6 | 119 |
| 7 | Single-Atom Catalysts for the Hydrogen Evolution Reaction. <i>ChemElectroChem</i> , 2018, 5, 2963-2974. | 3.4 | 89 |
| 8 | AuCu Alloy Nanoparticle Embedded Cu Submicrocone Arrays for Selective Conversion of CO ₂ to Ethanol. <i>Small</i> , 2019, 15, e1902229. | 10.0 | 83 |
| 9 | Porous Mn-Doped FeP/Co ₃ (PO ₄) ₂ Nanosheets as Efficient Electrocatalysts for Overall Water Splitting in a Wide pH Range. <i>ChemSusChem</i> , 2019, 12, 1334-1341. | 6.8 | 78 |
| 10 | Electrochemical CO ₂ reduction: from nanoclusters to single atom catalysts. <i>Sustainable Energy and Fuels</i> , 2020, 4, 1012-1028. | 4.9 | 69 |
| 11 | High Selectivity Toward C ₂ H ₄ Production over Cu Particles Supported by Butterfly-Wing-Derived Carbon Frameworks. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 12618-12625. | 8.0 | 60 |
| 12 | Engineering Atomic Sites via Adjacent Dual-Metal Sub-Nanoclusters for Efficient Oxygen Reduction Reaction and Zn-Air Battery. <i>Small</i> , 2020, 16, e2004855. | 10.0 | 53 |
| 13 | Selective Electroreduction of CO ₂ to C ₂ Products over Cu ₃ N-Derived Cu Nanowires. <i>ChemElectroChem</i> , 2019, 6, 2393-2397. | 3.4 | 49 |
| 14 | Stepped surface-rich copper fiber felt as an efficient electrocatalyst for the CO ₂ RR to formate. <i>Journal of Materials Chemistry A</i> , 2018, 6, 18960-18966. | 10.3 | 46 |
| 15 | Efficient Electroreduction CO ₂ to CO over MnO ₂ Nanosheets. <i>Inorganic Chemistry</i> , 2019, 58, 8910-8914. | 4.0 | 34 |
| 16 | Isolated single-atom Pt sites for highly selective electrocatalytic hydrogenation of formaldehyde to methanol. <i>Journal of Materials Chemistry A</i> , 2020, 8, 8913-8919. | 10.3 | 33 |
| 17 | Single-Atom Catalysts for the Electrocatalytic Reduction of Nitrogen to Ammonia under Ambient Conditions. <i>Chemistry - an Asian Journal</i> , 2019, 14, 2770-2779. | 3.3 | 32 |
| 18 | Bifunctional single-atomic Mn sites for energy-efficient hydrogen production. <i>Nanoscale</i> , 2021, 13, 4767-4773. | 5.6 | 26 |

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|----|--|------|-----------|
| 19 | Heteroatom coordination induces electric field polarization of single Pt sites to promote hydrogen evolution activity. <i>Nanoscale</i> , 2021, 13, 7134-7139. | 5.6 | 26 |
| 20 | Facile synthesis of Al-doped NiO nanosheet arrays for high-performance supercapacitors. <i>Royal Society Open Science</i> , 2018, 5, 180842. | 2.4 | 23 |
| 21 | Nitrogen doping and titanium vacancies synergistically promote CO ₂ fixation in seawater. <i>Nanoscale</i> , 2020, 12, 17191-17195. | 5.6 | 23 |
| 22 | Single-atom niobium doped BCN nanotubes for highly sensitive electrochemical detection of nitrobenzene. <i>RSC Advances</i> , 2021, 11, 28988-28995. | 3.6 | 19 |
| 23 | Selective Formation of C2 Products from Electrochemical CO ₂ Reduction over Cu _{1.8} Se Nanowires. <i>ACS Applied Energy Materials</i> , 0, , . | 5.1 | 11 |
| 24 | Single Cu Atoms as Catalysts for Efficient Hydrazine Oxidation Reaction. <i>ChemNanoMat</i> , 2020, 6, 1474-1478. | 2.8 | 7 |
| 25 | Ethanol selectivity: AuCu Alloy Nanoparticle Embedded Cu Submicrocone Arrays for Selective Conversion of CO ₂ to Ethanol (<i>Small</i> 37/2019). <i>Small</i> , 2019, 15, 1970193. | 10.0 | 3 |