

# Peng Jiang

## List of Publications by Year in descending order

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52  
papers

6,471  
citations

126907

33  
h-index

182427

51  
g-index

52  
all docs

52  
docs citations

52  
times ranked

8320  
citing authors

#	ARTICLE	IF	CITATIONS
1	On-chip optical isolation in monolithically integrated non-reciprocal optical resonators. <i>Nature Photonics</i> , 2011, 5, 758-762.	31.4	766
2	Ruthenium-cobalt nanoalloys encapsulated in nitrogen-doped graphene as active electrocatalysts for producing hydrogen in alkaline media. <i>Nature Communications</i> , 2017, 8, 14969.	12.8	656
3	p53 regulates biosynthesis through direct inactivation of glucose-6-phosphate dehydrogenase. <i>Nature Cell Biology</i> , 2011, 13, 310-316.	10.3	620
4	Atomic-Level Modulation of Electronic Density at Cobalt Single-Atom Sites Derived from Metal-Organic Frameworks: Enhanced Oxygen Reduction Performance. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 3212-3221.	13.8	445
5	Mn-Doped RuO <sub>2</sub> Nanocrystals as Highly Active Electrocatalysts for Enhanced Oxygen Evolution in Acidic Media. <i>ACS Catalysis</i> , 2020, 10, 1152-1160.	11.2	302
6	An Adjacent Atomic Platinum Site Enables Single-Atom Iron with High Oxygen Reduction Reaction Performance. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 19262-19271.	13.8	275
7	O <sub>2</sub> , N <sub>2</sub> -Coordinated Mn Cofactors within a Graphene Framework as Bioinspired Oxygen Reduction Reaction Electrocatalysts. <i>Advanced Materials</i> , 2018, 30, e1801732.	21.0	239
8	Silver Single-Atom Catalyst for Efficient Electrochemical CO <sub>2</sub> Reduction Synthesized from Thermal Transformation and Surface Reconstruction. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 6170-6176.	13.8	236
9	Pt-like electrocatalytic behavior of Ru-MoO <sub>2</sub> nanocomposites for the hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2017, 5, 5475-5485.	10.3	213
10	Tuning the Activity of Carbon for Electrocatalytic Hydrogen Evolution via an Iridium-Cobalt Alloy Core Encapsulated in Nitrogen-Doped Carbon Cages. <i>Advanced Materials</i> , 2018, 30, 1705324.	21.0	211
11	Phosphorus Induced Electron Localization of Single Iron Sites for Boosted CO <sub>2</sub> Electroreduction Reaction. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 23614-23618.	13.8	197
12	Designing highly efficient dual-metal single-atom electrocatalysts for the oxygen reduction reaction inspired by biological enzyme systems. <i>Journal of Materials Chemistry A</i> , 2018, 6, 13254-13262.	10.3	156
13	Co <sub>3</sub> Zn/Co nano heterojunctions encapsulated in N-doped graphene layers derived from PBAs as highly efficient bi-functional OER and ORR electrocatalysts. <i>Journal of Materials Chemistry A</i> , 2016, 4, 9204-9212.	10.3	154
14	Ultrasmall Ru/Cu-doped RuO <sub>2</sub> Complex Embedded in Amorphous Carbon Skeleton as Highly Active Bifunctional Electrocatalysts for Overall Water Splitting. <i>Small</i> , 2018, 14, e1803009.	10.0	151
15	Enhanced Activity for Hydrogen Evolution Reaction over CoFe Catalysts by Alloying with Small Amount of Pt. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 3596-3601.	8.0	126
16	Oxygen/Fluorine Dual-Doped Porous Carbon Nanopolyhedra Enabled Ultrafast and Highly Stable Potassium Storage. <i>Advanced Functional Materials</i> , 2019, 29, 1906126.	14.9	123
17	Fe <sub>1</sub> N <sub>4</sub> -O <sub>1</sub> site with axial Fe-O coordination for highly selective CO <sub>2</sub> reduction over a wide potential range. <i>Energy and Environmental Science</i> , 2021, 14, 3430-3437.	30.8	119
18	MOF-derived RuO <sub>2</sub> /Co <sub>3</sub> O <sub>4</sub> heterojunctions as highly efficient bifunctional electrocatalysts for HER and OER in alkaline solutions. <i>RSC Advances</i> , 2017, 7, 3686-3694.	3.6	116

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19	Nitrogen/oxygen co-doped mesoporous carbon octahedrons for high-performance potassium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 12317-12324.	10.3	110
20	Active and Durable Hydrogen Evolution Reaction Catalyst Derived from Pd-Doped Metal-Organic Frameworks. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 13378-13383.	8.0	103
21	A MOF-derived self-template strategy toward cobalt phosphide electrodes with ultralong cycle life and high capacity. <i>Journal of Materials Chemistry A</i> , 2017, 5, 10321-10327.	10.3	98
22	Magneto-Optical Thin Films for On-Chip Monolithic Integration of Non-Reciprocal Photonic Devices. <i>Materials</i> , 2013, 6, 5094-5117.	2.9	82
23	Novel Metal Polyphenol Framework for MR Imaging-Guided Photothermal Therapy. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 3295-3304.	8.0	78
24	Engineering Water Molecules Activation Center on Multisite Electrocatalysts for Enhanced CO <sub>2</sub> Methanation. <i>Journal of the American Chemical Society</i> , 2022, 144, 12807-12815.	13.7	74
25	Tuning the Orbital Electron Structure of Block Metal Ca Enables a High-Performance Electrocatalyst for Oxygen Reduction. <i>Advanced Materials</i> , 2021, 33, e2107103.	21.0	71
26	Dual Graphitic-N Doping in a Six-Membered C-Ring of Graphene-Analogous Particles Enables an Efficient Electrocatalyst for the Hydrogen Evolution Reaction. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 16973-16980.	13.8	54
27	Nanoporous PtFe Nanoparticles Supported on N-Doped Porous Carbon Sheets Derived from Metal-Organic Frameworks as Highly Efficient and Durable Oxygen Reduction Reaction Catalysts. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 32106-32113.	8.0	48
28	Incorporation of Cu-N cofactors into graphene encapsulated Co as biomimetic electrocatalysts for efficient oxygen reduction. <i>Nanoscale</i> , 2018, 10, 21076-21086.	5.6	47
29	Metallic 1T phase MoS <sub>2</sub> nanosheets decorated hollow cobalt sulfide polyhedra for high-performance lithium storage. <i>Journal of Materials Chemistry A</i> , 2018, 6, 12613-12622.	10.3	46
30	Improving electrocatalytic activity of iridium for hydrogen evolution at high current densities above 1000 mA cm <sup>-2</sup> . <i>Applied Catalysis B: Environmental</i> , 2019, 258, 117965.	20.2	46
31	Atomic-Level Modulation of Electronic Density at Cobalt Single-Atom Sites Derived from Metal-Organic Frameworks: Enhanced Oxygen Reduction Performance. <i>Angewandte Chemie</i> , 2021, 133, 3249-3258.	2.0	44
32	Free-standing porous Manganese dioxide/graphene composite films for high performance supercapacitors. <i>Journal of Colloid and Interface Science</i> , 2015, 437, 304-310.	9.4	41
33	O species-decorated graphene shell encapsulating iridium-nickel alloy as an efficient electrocatalyst towards hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2019, 7, 15079-15088.	10.3	36
34	p53 and Bad: remote strangers become close friends. <i>Cell Research</i> , 2007, 17, 283-285.	12.0	35
35	Lewis-Basic EDTA as a Highly Active Molecular Electrocatalyst for CO <sub>2</sub> Reduction to CH <sub>4</sub> . <i>Angewandte Chemie - International Edition</i> , 2021, 60, 23002-23009.	13.8	33
36	Tuning the Electronic Structure of Se via Constructing Rh-MoSe <sub>2</sub> Nanocomposite to Generate High-Performance Electrocatalysis for Hydrogen Evolution Reaction. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 9137-9144.	6.7	32

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37	Hexagonal Perovskite Ba <sub>0.9</sub> Sr <sub>0.1</sub> Co <sub>0.8</sub> Fe <sub>0.1</sub> Ir <sub>0.1</sub> O <sub>3</sub> as an Efficient Electrocatalyst towards the Oxygen Evolution Reaction. ACS Applied Energy Materials, 2020, 3, 7149-7158.	5.1	32
38	An Adjacent Atomic Platinum Site Enables Single-Atom Iron with High Oxygen Reduction Reaction Performance. Angewandte Chemie, 2021, 133, 19411-19420.	2.0	32
39	Highly dispersed ultrasmall Ni(OH) <sub>2</sub> aggregated particles on a conductive support as a supercapacitor electrode with superior performance. Journal of Colloid and Interface Science, 2017, 490, 252-258.	9.4	28
40	Core-Shell Structurized Fe <sub>3</sub> O <sub>4</sub> @C@MnO <sub>2</sub> Nanoparticles as pH Responsive T <sub>1</sub> -T <sub>2</sub> * Dual-Modal Contrast Agents for Tumor Diagnosis. ACS Biomaterials Science and Engineering, 2018, 4, 3047-3054.	5.2	28
41	Silver Single-Atom Catalyst for Efficient Electrochemical CO <sub>2</sub> Reduction Synthesized from Thermal Transformation and Surface Reconstruction. Angewandte Chemie, 2021, 133, 6235-6241.	2.0	22
42	Phosphorus Induced Electron Localization of Single Iron Sites for Boosted CO <sub>2</sub> Electroreduction Reaction. Angewandte Chemie, 2021, 133, 23806-23810.	2.0	22
43	<sup>MOFs</sup>-Derived N-Doped Carbon-Encapsulated Metal/Alloy Electrocatalysts to Tune the Electronic Structure and Reactivity of Carbon Active Sites. Chinese Journal of Chemistry, 2021, 39, 2626-2637.	4.9	18
44	The Enhancement of the Catalytic Oxidation of CO on Ir/CeO <sub>2</sub> Nanojunctions. Inorganic Chemistry, 2019, 58, 14238-14243.	4.0	17
45	The synthetic strategies for single atomic site catalysts based on metal-organic frameworks. Nanoscale, 2020, 12, 20580-20589.	5.6	17
46	Facile fabrication of Ir/CNT/rGO nanocomposites with enhanced electrocatalytic performance for the hydrogen evolution reaction. Sustainable Energy and Fuels, 2020, 4, 3288-3292.	4.9	16
47	The Effect of A-Site Substitution of Ce and La on the Magnetic and Electronic Properties of Sr(Ti <sub>0.6</sub> Fe <sub>0.4</sub> )O <sub>3</sub> Films. Inorganic Chemistry, 2012, 51, 13245-13253.	4.0	14
48	Vertically porous Ni(OH) <sub>2</sub> /Ni thin film on carbon cloth for high performance flexible supercapacitors. Materials Letters, 2017, 190, 20-23.	2.6	14
49	Lewis-Basic EDTA as a Highly Active Molecular Electrocatalyst for CO <sub>2</sub> Reduction to CH <sub>4</sub> . Angewandte Chemie, 2021, 133, 23184.	2.0	11
50	Enhancement of the magneto-optical performance of Sr(Ti <sub>0.6</sub> Ga <sub>x</sub> Fe <sub>0.4</sub> )O <sub>3</sub> perovskite films by Ga substitution. Applied Physics Letters, 2011, 98, 231909.	3.3	10
51	Dual Graphitic-N Doping in a Six-Membered Ring of Graphene-Analogous Particles Enables an Efficient Electrocatalyst for the Hydrogen Evolution Reaction. Angewandte Chemie, 2019, 131, 17129-17136.	2.0	7
52	Self-assembly of trithia-9-crown-3 and octathia-24-crown-8 on Au(111) surfaces. RSC Advances, 2016, 6, 81726-81730.	3.6	0