

# Jinlong Liu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4658106/publications.pdf>

Version: 2024-02-01

44  
papers

6,170  
citations

136885

32  
h-index

254106

43  
g-index

45  
all docs

45  
docs citations

45  
times ranked

8503  
citing authors

#	ARTICLE	IF	CITATIONS
1	Central metal and ligand effects on oxygen electrocatalysis over 3d transition metal single-atom catalysts: A theoretical investigation. <i>Chemical Engineering Journal</i> , 2022, 427, 132038.	6.6	65
2	Pt nanoclusters anchored on ordered macroporous nitrogen-doped carbon for accelerated water dissociation toward superior alkaline hydrogen production. <i>Chemical Engineering Journal</i> , 2022, 436, 135186.	6.6	38
3	Synergistically coupling Pt with Ni towards accelerated water dissociation for enhanced alkaline hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2022, 10, 13727-13734.	5.2	25
4	Experimental and Theoretical Insights into Enhanced Hydrogen Evolution over PtCo Nanoalloys Anchored on a Nitrogen-Doped Carbon Matrix. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 5195-5203.	2.1	7
5	Structural and Electronic Engineering of Ir-Doped Ni-(Oxy)hydroxide Nanosheets for Enhanced Oxygen Evolution Activity. <i>ACS Catalysis</i> , 2021, 11, 5386-5395.	5.5	75
6	Epitaxially Grown Heterostructured SrMn <sub>3</sub> O <sub>6</sub> x /i> /sub>â€SrMnO <sub>3</sub> /sub> with Highâ€Valence Mn<sup>3+/4+</sup> for Improved Oxygen Reduction Catalysis. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 22043-22050.	7.2	78
7	Epitaxially Grown Heterostructured SrMn <sub>3</sub> O <sub>6</sub> x /i> /sub>â€SrMnO <sub>3</sub> with Highâ€Valence Mn 3+/4+ for Improved Oxygen Reduction Catalysis. <i>Angewandte Chemie</i> , 2021, 133, 22214-22221.	1.6	12
8	Rationally constructing CoO and CoSe <sub>2</sub> hybrid with CNTs-graphene for impressively enhanced oxygen evolution and DFT calculations. <i>Chemical Engineering Journal</i> , 2021, 422, 129982.	6.6	33
9	Highly electrocatalytic performance of bimetallic Coâ€Fe sulfide nanoparticles encapsulated in N-doped carbon nanotubes on reduced graphene oxide for oxygen evolution. <i>Journal of Alloys and Compounds</i> , 2021, 881, 160667.	2.8	13
10	Sodium 5-sulfosalicylate-assisted hydrothermal synthesis of a self-supported Co <sub>3</sub> S <sub>4</sub> â€Ni <sub>3</sub> S <sub>2</sub> @nickel foam electrode for all-solid-state asymmetric supercapacitors. <i>Journal of Alloys and Compounds</i> , 2021, 889, 161661.	2.8	11
11	FeCoNi nanoalloys embedded in hierarchical N-rich carbon matrix with enhanced oxygen electrocatalysis for rechargeable Zn-air batteries. <i>Journal of Materials Chemistry A</i> , 2021, 9, 27701-27708.	5.2	22
12	Structure Engineering of MoS <sub>2</sub> /sub> via Simultaneous Oxygen and Phosphorus Incorporation for Improved Hydrogen Evolution. <i>Small</i> , 2020, 16, e1905738.	5.2	112
13	Oxidant-assisted direct-sulfidization of nickel foam toward a self-supported hierarchical Ni <sub>3</sub> S <sub>2</sub> @Ni electrode for asymmetric all-solid-state supercapacitors. <i>Journal of Power Sources</i> , 2020, 448, 227408.	4.0	49
14	InnenrÃ¼cktitelbild: Unveiling the Advances of Nanostructure Design for Alloyâ€Type Potassiumâ€Ion Battery Anodes via Inâ€...Situ TEM (Angew. Chem. 34/2020). <i>Angewandte Chemie</i> , 2020, 132, 14801-14801.	1.6	0
15	Complex alloy nanostructures as advanced catalysts for oxygen electrocatalysis: from materials design to applications. <i>Journal of Materials Chemistry A</i> , 2020, 8, 23142-23161.	5.2	46
16	Unveiling the Advances of Nanostructure Design for Alloyâ€Type Potassiumâ€Ion Battery Anodes via Inâ€...Situ TEM. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 14504-14510.	7.2	82
17	Unveiling the Advances of Nanostructure Design for Alloyâ€Type Potassiumâ€Ion Battery Anodes via Inâ€...Situ TEM. <i>Angewandte Chemie</i> , 2020, 132, 14612-14618.	1.6	47
18	Phosphate ion functionalized CoP nanowire arrays for efficient alkaline hydrogen evolution. <i>Chemical Communications</i> , 2020, 56, 7159-7162.	2.2	50

#	ARTICLE	IF	CITATIONS
19	Engineering pristine 2D metal-organic framework nanosheets for electrocatalysis. Journal of Materials Chemistry A, 2020, 8, 8143-8170.	5.2	180
20	In-situ synthesis of free-standing FeNi-oxyhydroxide nanosheets as a highly efficient electrocatalyst for water oxidation. Chemical Engineering Journal, 2020, 395, 125180.	6.6	100
21	Self-supported nickel iron oxide nanospindles with high hydrophilicity for efficient oxygen evolution. Chemical Communications, 2019, 55, 10860-10863.	2.2	50
22	Self-Supported Hierarchical IrO <sub>2</sub> @NiO Nanoflake Arrays as an Efficient and Durable Catalyst for Electrochemical Oxygen Evolution. ACS Applied Materials & Interfaces, 2019, 11, 25854-25862.	4.0	56
23	Efficient Surface Modulation of Single-Crystalline Na <sub>2</sub> Ti <sub>3</sub> O <sub>7</sub> Nanotube Arrays with Ti <sup>3+</sup> Self-Doping toward Superior Sodium Storage. , 2019, 1, 389-398.		24
24	Ordered Macro-Microporous Metal-Organic Framework Single Crystals and Their Derivatives for Rechargeable Aluminum-Ion Batteries. Journal of the American Chemical Society, 2019, 141, 14764-14771.	6.6	226
25	A 2D metal-organic framework/Ni(OH) <sub>2</sub> heterostructure for an enhanced oxygen evolution reaction. Nanoscale, 2019, 11, 3599-3605.	2.8	131
26	Graphitic Carbon Nitride (g-C <sub>3</sub> N <sub>4</sub> )-Derived Na-Rich Graphene with Tuneable Interlayer Distance as a High-Rate Anode for Sodium-Ion Batteries. Advanced Materials, 2019, 31, e1901261.	11.1	362
27	Engineering 2D Metal-Organic Framework/MoS <sub>2</sub> Interface for Enhanced Alkaline Hydrogen Evolution. Small, 2019, 15, e1805511.	5.2	169
28	NiO as a Bifunctional Promoter for RuO <sub>2</sub> toward Superior Overall Water Splitting. Small, 2018, 14, e1704073.	5.2	214
29	Emerging Two-Dimensional Nanomaterials for Electrocatalysis. Chemical Reviews, 2018, 118, 6337-6408.	23.0	1,552
30	Free-standing single-crystalline NiFe-hydroxide nanoflake arrays: a self-activated and robust electrocatalyst for oxygen evolution. Chemical Communications, 2018, 54, 463-466.	2.2	107
31	Self-Supported Earth-Abundant Nanoarrays as Efficient and Robust Electrocatalysts for Energy-Related Reactions. ACS Catalysis, 2018, 8, 6707-6732.	5.5	320
32	Design Strategies toward Advanced MOF-Derived Electrocatalysts for Energy Conversion Reactions. Advanced Energy Materials, 2017, 7, 1700518.	10.2	539
33	Nanostructured 2D Materials: Prospective Catalysts for Electrochemical CO <sub>2</sub> Reduction. Small Methods, 2017, 1, 1600006.	4.6	112
34	Identification of pH-dependent synergy on Ru/MoS <sub>2</sub> interface: a comparison of alkaline and acidic hydrogen evolution. Nanoscale, 2017, 9, 16616-16621.	2.8	120
35	Two-dimensional metal-organic frameworks with high oxidation states for efficient electrocatalytic urea oxidation. Chemical Communications, 2017, 53, 10906-10909.	2.2	328
36	S-NiFe <sub>2</sub> O <sub>4</sub> ultra-small nanoparticle built nanosheets for efficient water splitting in alkaline and neutral pH. Nano Energy, 2017, 40, 264-273.	8.2	335

#	ARTICLE	IF	CITATIONS
37	Designed synthesis of a novel BiVO <sub>4</sub> @Cu <sub>2</sub> O@TiO <sub>2</sub> as an efficient visible-light-responding photocatalyst. <i>Journal of Colloid and Interface Science</i> , 2015, 444, 58-66.	5.0	56
38	High-sensitivity paracetamol sensor based on Pd/graphene oxide nanocomposite as an enhanced electrochemical sensing platform. <i>Biosensors and Bioelectronics</i> , 2014, 54, 468-475.	5.3	160
39	One-step solution-phase synthesis of Co <sub>3</sub> O <sub>4</sub> /RGO/acetylene black as a high-performance catalyst for oxygen reduction reaction. <i>RSC Advances</i> , 2014, 4, 18286.	1.7	14
40	A glassy carbon electrode modified with $\beta$ -cyclodextrin, multiwalled carbon nanotubes and graphene oxide for sensitive determination of 1,3-dinitrobenzene. <i>Mikrochimica Acta</i> , 2014, 181, 1369-1377.	2.5	28
41	Self-assembly of nano/micro-structured Fe <sub>3</sub> O <sub>4</sub> microspheres among 3D rGO/CNTs hierarchical networks with superior lithium storage performances. <i>Nanotechnology</i> , 2014, 25, 225401.	1.3	27
42	Designed synthesis of TiO <sub>2</sub> -modified iron oxides on/among carbon nanotubes as a superior lithium-ion storage material. <i>Journal of Materials Chemistry A</i> , 2014, 2, 11372.	5.2	58
43	Facile assembly of a 3D rGO/MWCNTs/Fe <sub>2</sub> O <sub>3</sub> ternary composite as the anode material for high-performance lithium ion batteries. <i>RSC Advances</i> , 2013, 3, 15457.	1.7	29
44	Facile synthesis of $\beta$ -MoO <sub>3</sub> nanobelts and their pseudocapacitive behavior in an aqueous Li <sub>2</sub> SO <sub>4</sub> solution. <i>Journal of Materials Chemistry A</i> , 2013, 1, 2588.	5.2	105