

Jinlong Liu

List of Publications by Year in descending order

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44
papers

6,170
citations

136885

32
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254106

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docs citations

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times ranked

8503
citing authors

#	ARTICLE	IF	CITATIONS
1	Emerging Two-Dimensional Nanomaterials for Electrocatalysis. <i>Chemical Reviews</i> , 2018, 118, 6337-6408.	23.0	1,552
2	Design Strategies toward Advanced MOF-Derived Electrocatalysts for Energy Conversion Reactions. <i>Advanced Energy Materials</i> , 2017, 7, 1700518.	10.2	539
3	Graphitic Carbon Nitride ($\text{g-C}_3\text{N}_4$)-Derived N-Rich Graphene with Tuneable Interlayer Distance as a High-Rate Anode for Sodium-Ion Batteries. <i>Advanced Materials</i> , 2019, 31, e1901261.	11.1	362
4	S-NiFe ₂ O ₄ ultra-small nanoparticle built nanosheets for efficient water splitting in alkaline and neutral pH. <i>Nano Energy</i> , 2017, 40, 264-273.	8.2	335
5	Two-dimensional metal-organic frameworks with high oxidation states for efficient electrocatalytic urea oxidation. <i>Chemical Communications</i> , 2017, 53, 10906-10909.	2.2	328
6	Self-Supported Earth-Abundant Nanoarrays as Efficient and Robust Electrocatalysts for Energy-Related Reactions. <i>ACS Catalysis</i> , 2018, 8, 6707-6732.	5.5	320
7	Ordered Macro-Microporous Metal-Organic Framework Single Crystals and Their Derivatives for Rechargeable Aluminum-Ion Batteries. <i>Journal of the American Chemical Society</i> , 2019, 141, 14764-14771.	6.6	226
8	NiO as a Bifunctional Promoter for RuO ₂ toward Superior Overall Water Splitting. <i>Small</i> , 2018, 14, e1704073.	5.2	214
9	Engineering pristine 2D metal-organic framework nanosheets for electrocatalysis. <i>Journal of Materials Chemistry A</i> , 2020, 8, 8143-8170.	5.2	180
10	Engineering 2D Metal-Organic Framework/MoS ₂ Interface for Enhanced Alkaline Hydrogen Evolution. <i>Small</i> , 2019, 15, e1805511.	5.2	169
11	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
12	A 2D metal-organic framework/Ni(OH) ₂ heterostructure for an enhanced oxygen evolution reaction. <i>Nanoscale</i> , 2019, 11, 3599-3605.	2.8	131
13	Identification of pH-dependent synergy on Ru/MoS ₂ interface: a comparison of alkaline and acidic hydrogen evolution. <i>Nanoscale</i> , 2017, 9, 16616-16621.	2.8	120
14	Nanostructured 2D Materials: Prospective Catalysts for Electrochemical CO ₂ Reduction. <i>Small Methods</i> , 2017, 1, 1600006.	4.6	112
15	Structure Engineering of MoS ₂ via Simultaneous Oxygen and Phosphorus Incorporation for Improved Hydrogen Evolution. <i>Small</i> , 2020, 16, e1905738.	5.2	112
16	Free-standing single-crystalline NiFe-hydroxide nanoflake arrays: a self-activated and robust electrocatalyst for oxygen evolution. <i>Chemical Communications</i> , 2018, 54, 463-466.	2.2	107
17	Facile synthesis of $\text{I}^{\pm}\text{-MoO}_3$ nanobelts and their pseudocapacitive behavior in an aqueous Li ₂ SO ₄ solution. <i>Journal of Materials Chemistry A</i> , 2013, 1, 2588.	5.2	105
18	In-situ synthesis of free-standing FeNi-oxhydroxide nanosheets as a highly efficient electrocatalyst for water oxidation. <i>Chemical Engineering Journal</i> , 2020, 395, 125180.	6.6	100

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19	Unveiling the Advances of Nanostructure Design for Alloy-Type Potassium-Ion Battery Anodes via In-Situ TEM. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 14504-14510.	7.2	82
20	Epitaxially Grown Heterostructured SrMn ₃ O ₆ •xSrMnO ₃ with High-Valence Mn ^{3+/4+} for Improved Oxygen Reduction Catalysis. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 22043-22050.	7.2	78
21	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
22	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
23	Designed synthesis of TiO ₂ -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
24	Designed synthesis of a novel BiVO ₄ •Cu ₂ O•TiO ₂ as an efficient visible-light-responding photocatalyst. <i>Journal of Colloid and Interface Science</i> , 2015, 444, 58-66.	5.0	56
25	Self-Supported Hierarchical IrO ₂ @NiO Nanoflake Arrays as an Efficient and Durable Catalyst for Electrochemical Oxygen Evolution. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 25854-25862.	4.0	56
26	Self-supported nickel iron oxide nanospindles with high hydrophilicity for efficient oxygen evolution. <i>Chemical Communications</i> , 2019, 55, 10860-10863.	2.2	50
27	Phosphate ion functionalized CoP nanowire arrays for efficient alkaline hydrogen evolution. <i>Chemical Communications</i> , 2020, 56, 7159-7162.	2.2	50
28	Oxidant-assisted direct-sulfidization of nickel foam toward a self-supported hierarchical Ni ₃ S ₂ @Ni electrode for asymmetric all-solid-state supercapacitors. <i>Journal of Power Sources</i> , 2020, 448, 227408.	4.0	49
29	Unveiling the Advances of Nanostructure Design for Alloy-Type Potassium-Ion Battery Anodes via In-Situ TEM. <i>Angewandte Chemie</i> , 2020, 132, 14612-14618.	1.6	47
30	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
31	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
32	Rationally constructing CoO and CoSe ₂ hybrid with CNTs-graphene for impressively enhanced oxygen evolution and DFT calculations. <i>Chemical Engineering Journal</i> , 2021, 422, 129982.	6.6	33
33	Facile assembly of a 3D rGO/MWCNTs/Fe ₂ O ₃ ternary composite as the anode material for high-performance lithium ion batteries. <i>RSC Advances</i> , 2013, 3, 15457.	1.7	29
34	A glassy carbon electrode modified with β -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
35	Self-assembly of nano/micro-structured Fe ₃ O ₄ microspheres among 3D rGO/CNTs hierarchical networks with superior lithium storage performances. <i>Nanotechnology</i> , 2014, 25, 225401.	1.3	27
36	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

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37	Efficient Surface Modulation of Single-Crystalline $\text{Na}_2\text{Ti}_3\text{O}_7$ Nanotube Arrays with Ti^{3+} Self-Doping toward Superior Sodium Storage. , 2019, 1, 389-398.		24
38	FeCoNi nanoalloys embedded in hierarchical N-rich carbon matrix with enhanced oxygen electrocatalysis for rechargeable Zn-air batteries. Journal of Materials Chemistry A, 2021, 9, 27701-27708.	5.2	22
39	One-step solution-phase synthesis of $\text{Co}_3\text{O}_4/\text{RGO}/\text{acetylene}$ black as a high-performance catalyst for oxygen reduction reaction. RSC Advances, 2014, 4, 18286.	1.7	14
40	Highly electrocatalytic performance of bimetallic Co-Fe sulfide nanoparticles encapsulated in N-doped carbon nanotubes on reduced graphene oxide for oxygen evolution. Journal of Alloys and Compounds, 2021, 881, 160667.	2.8	13
41	Epitaxially Grown Heterostructured $\text{SrMn}_{3-x}\text{O}_{6-x}\text{SrMnO}_3$ with High-Valence Mn $3+/4+$ for Improved Oxygen Reduction Catalysis. Angewandte Chemie, 2021, 133, 22214-22221.	1.6	12
42	Sodium 5-sulfosalicylate-assisted hydrothermal synthesis of a self-supported $\text{Co}_3\text{S}_4\text{-Ni}_3\text{S}_2$ @nickel foam electrode for all-solid-state asymmetric supercapacitors. Journal of Alloys and Compounds, 2021, 889, 161661.	2.8	11
43	Experimental and Theoretical Insights into Enhanced Hydrogen Evolution over PtCo Nanoalloys Anchored on a Nitrogen-Doped Carbon Matrix. Journal of Physical Chemistry Letters, 2022, 13, 5195-5203.	2.1	7
44	Innenrücktitelbild: Unveiling the Advances of Nanostructure Design for Alloy-Type Potassium-Ion Battery Anodes via In-Situ TEM (Angew. Chem. 34/2020). Angewandte Chemie, 2020, 132, 14801-14801.	1.6	0