

Subiao Liu

List of Publications by Year in descending order

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33
papers

2,803
citations

218381

26
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395343

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all docs

33
docs citations

33
times ranked

3344
citing authors

#	ARTICLE	IF	CITATIONS
1	Shape-Dependent Electrocatalytic Reduction of CO ₂ to CO on Triangular Silver Nanoplates. <i>Journal of the American Chemical Society</i> , 2017, 139, 2160-2163.	6.6	551
2	Efficient Electrochemical Reduction of CO ₂ to HCOOH over Sub-20 nm SnO ₂ Quantum Wires with Exposed Grain Boundaries. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 8499-8503.	7.2	322
3	Bi ₂ O ₃ Nanosheets Grown on Multi-Channel Carbon Matrix to Catalyze Efficient CO ₂ Electroreduction to HCOOH. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 13828-13833.	7.2	254
4	Highly Stable and Efficient Catalyst with In Situ Exsolved Fe-Ni Alloy Nanospheres Socketed on an Oxygen Deficient Perovskite for Direct CO ₂ Electrolysis. <i>ACS Catalysis</i> , 2016, 6, 6219-6228.	5.5	206
5	A comparative study of oxide scales grown on stainless steel and nickel-based superalloys in ultra-high temperature supercritical water at 800 Å°C. <i>Corrosion Science</i> , 2016, 106, 188-207.	3.0	121
6	Ultrathin 5-fold twinned sub-25 nm silver nanowires enable highly selective electroreduction of CO ₂ to CO. <i>Nano Energy</i> , 2018, 45, 456-462.	8.2	115
7	CO ₂ -to-CO conversion on layered perovskite with in situ exsolved Co-Fe alloy nanoparticles: an active and stable cathode for solid oxide electrolysis cells. <i>Journal of Materials Chemistry A</i> , 2016, 4, 17521-17528.	5.2	106
8	Atomically dispersed Pt on specific TiO ₂ facets for photocatalytic H ₂ evolution. <i>Journal of Catalysis</i> , 2017, 353, 250-255.	3.1	105
9	Double-Layered Perovskite Anode with <i>In Situ</i> Exsolution of a Co-Fe Alloy To Cogenerate Ethylene and Electricity in a Proton-Conducting Ethane Fuel Cell. <i>ACS Catalysis</i> , 2016, 6, 760-768.	5.5	95
10	Unraveling Structure Sensitivity in CO ₂ Electroreduction to Near-Unity CO on Silver Nanocubes. <i>ACS Catalysis</i> , 2020, 10, 3158-3163.	5.5	80
11	The excellence of La(Sr)Fe(Ni)O ₃ as an active and efficient cathode for direct CO ₂ electrochemical reduction at elevated temperatures. <i>Journal of Materials Chemistry A</i> , 2017, 5, 2673-2680.	5.2	78
12	Rational Design of Silver Sulfide Nanowires for Efficient CO ₂ Electroreduction in Ionic Liquid. <i>ACS Catalysis</i> , 2018, 8, 1469-1475.	5.5	76
13	Structure-engineered electrocatalyst enables highly active and stable oxygen evolution reaction over layered perovskite LaSr ₃ Co _{1.5} Fe _{1.5} O _{10-Ń} . <i>Nano Energy</i> , 2017, 40, 115-121.	8.2	67
14	Hierarchically assembling cobalt/nickel carbonate hydroxide on copper nitride nanowires for highly efficient water splitting. <i>Applied Catalysis B: Environmental</i> , 2021, 292, 120148.	10.8	62
15	Cogeneration of ethylene and energy in protonic fuel cell with an efficient and stable anode anchored with in-situ exsolved functional metal nanoparticles. <i>Applied Catalysis B: Environmental</i> , 2018, 220, 283-289.	10.8	60
16	Unlocking the high redox activity of MoS ₂ on dual-doped graphene as a superior piezocatalyst. <i>Nano Energy</i> , 2020, 68, 104366.	8.2	60
17	Interface-Induced Electrocatalytic Enhancement of CO ₂ to Formate Conversion on Heterostructured Bismuth-Based Catalysts. <i>Small</i> , 2022, 18, e2105682.	5.2	53
18	Hexagonal Zn Nanoplates Enclosed by Zn(100) and Zn(002) Facets for Highly Selective CO ₂ Electroreduction to CO. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 31431-31438.	4.0	51

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19	Bi ₂ O ₃ Nanosheets Grown on Multi-Channel Carbon Matrix to Catalyze Efficient CO ₂ Electroreduction to HCOOH. <i>Angewandte Chemie</i> , 2019, 131, 13966-13971.	1.6	45
20	Descriptor of catalytic activity of metal sulfides for oxygen reduction reaction: a potential indicator for mineral flotation. <i>Journal of Materials Chemistry A</i> , 2018, 6, 9650-9656.	5.2	41
21	A High-Performance Ruddlesden-Popper Perovskite for Bifunctional Oxygen Electrocatalysis. <i>ACS Catalysis</i> , 2020, 10, 13437-13444.	5.5	39
22	Efficient Electrochemical Reduction of CO ₂ to HCOOH over Sub-20-nm SnO ₂ Quantum Wires with Exposed Grain Boundaries. <i>Angewandte Chemie</i> , 2019, 131, 8587-8591.	1.6	38
23	Carbon Dioxide Valorization via Formate Electrosynthesis in a Wide Potential Window. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	37
24	Effect of water content on the corrosion behavior of X65 pipeline steel in supercritical CO ₂ -H ₂ O-O ₂ -SO ₂ environment as relevant to CCS application. <i>Corrosion Science</i> , 2018, 137, 151-162.	3.0	34
25	Achieving Efficient CO ₂ Electrochemical Reduction on Tunable In(OH) ₃ -Coupled Cu ₂ O-Derived Hybrid Catalysts. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 22346-22351.	4.0	28
26	Insights into the Interfacial Process in Electroless Ni-P Coating on Supercritical CO ₂ -Transport Pipeline as Relevant to Carbon Capture and Storage. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 16243-16251.	4.0	27
27	Directionally maximizing CO selectivity to near-unity over cupric oxide with indium species for electrochemical CO ₂ reduction. <i>Chemical Engineering Journal</i> , 2022, 427, 131654.	6.6	18
28	In-situ generated hydroxides realize near-unity CO selectivity for electrochemical CO ₂ reduction. <i>Chemical Engineering Journal</i> , 2022, 433, 133785.	6.6	9
29	Advances on Nickel-Based Electrode Materials for Secondary Battery Systems: A Review. <i>ACS Applied Energy Materials</i> , 2022, 5, 9189-9213.	2.5	9
30	Steering hydrogen evolution in CO ₂ electroreduction through tailoring various co-catalysts. <i>Electrochemistry Communications</i> , 2019, 107, 106531.	2.3	8
31	Tuning the subsurface oxygen of Ag ₂ O-derived Ag nanoparticles to achieve efficient CO ₂ electroreduction to CO. <i>Electrochimica Acta</i> , 2022, 403, 139656.	2.6	4
32	Revelation of the Nature of the Ligand-PbS Bond and Its Implication on Chemical Functionalization of PbS. <i>Journal of Physical Chemistry C</i> , 2019, 123, 22981-22988.	1.5	2
33	Realizing the Intrinsic Electrochemical Activity of Acidic N-Doped Graphene through Pyrenesulfonic Acid Bridges. <i>Advanced Functional Materials</i> , 2020, 30, 2001237.	7.8	2