Menglei Yuan

List of Publications by Year
in descending order

30	1,544	430874 18	477307 29
papers	citations	h-index	g-index

30	30	30	1525
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Boosted polysulfides regulation by iron carbide nanoparticles-embedded porous biomass-derived carbon toward superior lithiumâ€“sulfur batteries. Journal of Colloid and Interface Science, 2022, 605, 129-137.	9.4	21
2	Interfacial engineering of transition-metal sulfides heterostructures with built-in electric-field effects for enhanced oxygen evolution reaction. Chinese Journal of Chemical Engineering, 2022, 41, 320-328.	3.5	16
3	Crâ€Doped Pd Metallene Endows a Practical Formaldehyde Sensor New Limit and High Selectivity. Advanced Materials, 2022, 34, e2105276.	21.0	40
4	InOOH as an efficient bidirectional catalyst for accelerated polysulfides conversion to enable high-performance lithiumâ€“sulfur batteries. Journal of Colloid and Interface Science, 2022, 610, 418-426.	9.4	7
5	Hostâ€“guest molecular interaction promoted urea electrosynthesis over a precisely designed conductive metalâ€“organic framework. Energy and Environmental Science, 2022, 15, 2084-2095.	30.8	73
6	Boosting oxygen evolution reactivity by modulating electronic structure and honeycomb-like architecture in Ni2P/N,P-codoped carbon hybrids. Green Energy and Environment, 2021, 6, 866-874.	8.7	12
7	Cu-incorporated PtBi intermetallic nanofiber bundles enhance alcohol oxidation electrocatalysis with high CO tolerance. Journal of Materials Chemistry A, 2021, 9, 20676-20684.	10.3	31
8	Electrochemical Câ€“N coupling with perovskite hybrids toward efficient urea synthesis. Chemical Science, 2021, 12, 6048-6058.	7.4	138
9	Local charge rearrangement to boost the chemical adsorption and catalytic conversion of polysulfides for high-performance lithiumâ€“sulfur batteries. Journal of Materials Chemistry A, 2021, 9, 7566-7574.	10.3	10
10	Atomically Dispersed Indium Sites for Selective CO₂ Electroreduction to Formic Acid. ACS Nano, 2021, 15, 5671-5678.	14.6	121
11	Donorâ€“Acceptor Couples of Metal and Metal Oxides with Enriched Ni³⁺ Active Sites for Oxygen Evolution. ACS Applied Materials & Interfaces, 2021, 13, 17501-17510.	8.0	29
12	Unveiling Electrochemical Urea Synthesis by Coâ€Activation of CO₂ and N₂ with Mottâ€“Schottky Heterostructure Catalysts. Angewandte Chemie, 2021, 133, 11005-11013.	2.0	38
13	Unveiling Electrochemical Urea Synthesis by Coâ€Activation of CO₂ and N₂ with Mottâ€“Schottky Heterostructure Catalysts. Angewandte Chemie - International Edition, 2021, 60, 10910-10918.	13.8	182
14	Investigation of MOF-derived humidity-proof hierarchical porous carbon frameworks as highly-selective toluene absorbents and sensing materials. Journal of Hazardous Materials, 2021, 411, 125034.	12.4	19
15	Trimetallic synergy in dendritic intermetallic PtSnBi nanoalloys for promoting electrocatalytic alcohol oxidation. Journal of Colloid and Interface Science, 2021, 602, 504-512.	9.4	13
16	CoO_x/UiO-66 and NiO/UiO-66 heterostructures with UiO-66 frameworks for enhanced oxygen evolution reactions. New Journal of Chemistry, 2021, 45, 14822-14830.	2.8	6
17	Highly selective electroreduction of N₂ and CO₂ to urea over artificial frustrated Lewis pairs. Energy and Environmental Science, 2021, 14, 6605-6615.	30.8	130
18	Support effect boosting the electrocatalytic N₂ reduction activity of Ni₂P/N,P-codoped carbon nanosheet hybrids. Journal of Materials Chemistry A, 2020, 8, 2691-2700.	10.3	32

#	Article	IF	Citations
19	Iron/nickel nano-alloy encapsulated in nitrogen-doped carbon framework for CO2 electrochemical conversion with prominent CO selectivity. Journal of Power Sources, 2020, 449, 227496.	7.8	10
20	Surface Atomic Architecture: Engineering Surface Atomic Architecture of NiTe Nanocrystals Toward Efficient Electrochemical N₂ Fixation (Adv. Funct. Mater. 39/2020). Advanced Functional Materials, 2020, 30, 2070263.	14.9	0
21	Work function regulation of nitrogen-doped carbon nanotubes triggered by metal nanoparticles for efficient electrocatalytic nitrogen fixation. Journal of Materials Chemistry A, 2020, 8, 26066-26074.	10.3	32
22	Engineering Surface Atomic Architecture of NiTe Nanocrystals Toward Efficient Electrochemical N₂ Fixation. Advanced Functional Materials, 2020, 30, 2004208.	14.9	42
23	Br/Co/N Co-doped porous carbon frameworks with enriched defects for high-performance electrocatalysis. Journal of Materials Chemistry A, 2020, 8, 10865-10874.	10.3	47
24	Efficient Tetra-Functional Electrocatalyst with Synergetic Effect of Different Active Sites for Multi-Model Energy Conversion and Storage. ACS Applied Materials & Interfaces, 2020, 12, 23017-23027.	8.0	12
25	Polyoxometalate-assisted formation of CoSe/MoSe₂ heterostructures with enhanced oxygen evolution activity. Journal of Materials Chemistry A, 2019, 7, 3317-3326.	10.3	94
26	Facile synthesis of a bismuth nanostructure with enhanced selectivity for electrochemical conversion of CO₂ to formate. Nanoscale, 2019, 11, 7805-7812.	5.6	80
27	Tuning carbon nanotube-grafted core-shell-structured cobalt selenide@carbon hybrids for efficient oxygen evolution reaction. Journal of Colloid and Interface Science, 2019, 533, 503-512.	9.4	40
28	Facile synthesis of single-nickel-atomic dispersed N-doped carbon framework for efficient electrochemical CO2 reduction. Applied Catalysis B: Environmental, 2019, 241, 113-119.	20.2	227
29	Synthesis of polyoxometalates derived bifunctional catalyst towards efficient overall water splitting in neutral and alkaline medium. Journal of Colloid and Interface Science, 2018, 532, 774-781.	9.4	38
30	Room-Temperature One-Pot Palladium-Catalyzed Synthesis of 3-Hydroxyisoindolin-1-ones from Phenylglyoxylic Acids. Heterocycles, 2016, 92, 560.	0.7	4