

Menglei Yuan

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3997532/publications.pdf>

Version: 2024-02-01

30
papers

1,544
citations

430874

18
h-index

477307

29
g-index

30
all docs

30
docs citations

30
times ranked

1525
citing authors

#	ARTICLE	IF	CITATIONS
1	Facile synthesis of single-nickel-atomic dispersed N-doped carbon framework for efficient electrochemical CO ₂ reduction. <i>Applied Catalysis B: Environmental</i> , 2019, 241, 113-119.	20.2	227
2	Unveiling Electrochemical Urea Synthesis by Co ^{II} -Activation of CO ₂ and N ₂ with Mott ^{II} -Schottky Heterostructure Catalysts. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 10910-10918.	13.8	182
3	Electrochemical C ^I -N coupling with perovskite hybrids toward efficient urea synthesis. <i>Chemical Science</i> , 2021, 12, 6048-6058.	7.4	138
4	Highly selective electroreduction of N ₂ and CO ₂ to urea over artificial frustrated Lewis pairs. <i>Energy and Environmental Science</i> , 2021, 14, 6605-6615.	30.8	130
5	Atomically Dispersed Indium Sites for Selective CO ₂ Electroreduction to Formic Acid. <i>ACS Nano</i> , 2021, 15, 5671-5678.	14.6	121
6	Polyoxometalate-assisted formation of CoSe/MoSe ₂ heterostructures with enhanced oxygen evolution activity. <i>Journal of Materials Chemistry A</i> , 2019, 7, 3317-3326.	10.3	94
7	Facile synthesis of a bismuth nanostructure with enhanced selectivity for electrochemical conversion of CO ₂ to formate. <i>Nanoscale</i> , 2019, 11, 7805-7812.	5.6	80
8	Host ^I -guest molecular interaction promoted urea electrosynthesis over a precisely designed conductive metal ^I -organic framework. <i>Energy and Environmental Science</i> , 2022, 15, 2084-2095.	30.8	73
9	Br/Co/N Co-doped porous carbon frameworks with enriched defects for high-performance electrocatalysis. <i>Journal of Materials Chemistry A</i> , 2020, 8, 10865-10874.	10.3	47
10	Engineering Surface Atomic Architecture of NiTe Nanocrystals Toward Efficient Electrochemical N ₂ Fixation. <i>Advanced Functional Materials</i> , 2020, 30, 2004208.	14.9	42
11	Tuning carbon nanotube-grafted core-shell-structured cobalt selenide@carbon hybrids for efficient oxygen evolution reaction. <i>Journal of Colloid and Interface Science</i> , 2019, 533, 503-512.	9.4	40
12	Cr ^I -Doped Pd Metallene Endows a Practical Formaldehyde Sensor New Limit and High Selectivity. <i>Advanced Materials</i> , 2022, 34, e2105276.	21.0	40
13	Synthesis of polyoxometalates derived bifunctional catalyst towards efficient overall water splitting in neutral and alkaline medium. <i>Journal of Colloid and Interface Science</i> , 2018, 532, 774-781.	9.4	38
14	Unveiling Electrochemical Urea Synthesis by Co ^{II} -Activation of CO ₂ and N ₂ with Mott ^{II} -Schottky Heterostructure Catalysts. <i>Angewandte Chemie</i> , 2021, 133, 11005-11013.	2.0	38
15	Support effect boosting the electrocatalytic N ₂ reduction activity of Ni ₂ P/N,P-codoped carbon nanosheet hybrids. <i>Journal of Materials Chemistry A</i> , 2020, 8, 2691-2700.	10.3	32
16	Work function regulation of nitrogen-doped carbon nanotubes triggered by metal nanoparticles for efficient electrocatalytic nitrogen fixation. <i>Journal of Materials Chemistry A</i> , 2020, 8, 26066-26074.	10.3	32
17	Cu-incorporated PtBi intermetallic nanofiber bundles enhance alcohol oxidation electrocatalysis with high CO tolerance. <i>Journal of Materials Chemistry A</i> , 2021, 9, 20676-20684.	10.3	31
18	Donor ^I -Acceptor Couples of Metal and Metal Oxides with Enriched Ni ³⁺ Active Sites for Oxygen Evolution. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 17501-17510.	8.0	29

#	ARTICLE	IF	CITATIONS
19	Boosted polysulfides regulation by iron carbide nanoparticles-embedded porous biomass-derived carbon toward superior lithium-sulfur batteries. <i>Journal of Colloid and Interface Science</i> , 2022, 605, 129-137.	9.4	21
20	Investigation of MOF-derived humidity-proof hierarchical porous carbon frameworks as highly-selective toluene absorbents and sensing materials. <i>Journal of Hazardous Materials</i> , 2021, 411, 125034.	12.4	19
21	Interfacial engineering of transition-metal sulfides heterostructures with built-in electric-field effects for enhanced oxygen evolution reaction. <i>Chinese Journal of Chemical Engineering</i> , 2022, 41, 320-328.	3.5	16
22	Trimetallic synergy in dendritic intermetallic PtSnBi nanoalloys for promoting electrocatalytic alcohol oxidation. <i>Journal of Colloid and Interface Science</i> , 2021, 602, 504-512.	9.4	13
23	Boosting oxygen evolution reactivity by modulating electronic structure and honeycomb-like architecture in Ni ₂ P/N,P-codoped carbon hybrids. <i>Green Energy and Environment</i> , 2021, 6, 866-874.	8.7	12
24	Efficient Tetra-Functional Electrocatalyst with Synergetic Effect of Different Active Sites for Multi-Model Energy Conversion and Storage. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 23017-23027.	8.0	12
25	Iron/nickel nano-alloy encapsulated in nitrogen-doped carbon framework for CO ₂ electrochemical conversion with prominent CO selectivity. <i>Journal of Power Sources</i> , 2020, 449, 227496.	7.8	10
26	Local charge rearrangement to boost the chemical adsorption and catalytic conversion of polysulfides for high-performance lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2021, 9, 7566-7574.	10.3	10
27	InOOH as an efficient bidirectional catalyst for accelerated polysulfides conversion to enable high-performance lithium-sulfur batteries. <i>Journal of Colloid and Interface Science</i> , 2022, 610, 418-426.	9.4	7
28	CoO _x /UiO-66 and NiO/UiO-66 heterostructures with UiO-66 frameworks for enhanced oxygen evolution reactions. <i>New Journal of Chemistry</i> , 2021, 45, 14822-14830.	2.8	6
29	Room-Temperature One-Pot Palladium-Catalyzed Synthesis of 3-Hydroxyisoindolin-1-ones from Phenylglyoxylic Acids. <i>Heterocycles</i> , 2016, 92, 560.	0.7	4
30	Surface Atomic Architecture: Engineering Surface Atomic Architecture of NiTe Nanocrystals Toward Efficient Electrochemical N ₂ Fixation (<i>Adv. Funct. Mater.</i> 39/2020). <i>Advanced Functional Materials</i> , 2020, 30, 2070263.	14.9	0