

Hui Su

List of Publications by Year in descending order

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38
papers

3,804
citations

279798

23
h-index

315739

38
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all docs

38
docs citations

38
times ranked

3766
citing authors

#	ARTICLE	IF	CITATIONS
1	Platinum single-atom catalyst with self-adjustable valence state for large-current-density acidic water oxidation. <i>EScience</i> , 2022, 2, 102-109.	41.6	106
2	Recent Advances in Dual-Atom Site Catalysts for Efficient Oxygen and Carbon Dioxide Electrocatalysis. <i>Small Methods</i> , 2022, 6, .	8.6	36
3	Synergetic Dual-Ion Centers Boosting Metal Organic Framework Alloy Catalysts toward Efficient Two Electron Oxygen Reduction. <i>Small</i> , 2022, 18, .	10.0	17
4	Boosting the Kinetics and Stability of Zn Anodes in Aqueous Electrolytes with Supramolecular Cyclodextrin Additives. <i>Journal of the American Chemical Society</i> , 2022, 144, 11129-11137.	13.7	196
5	Valence-modified selenospinel as ampere-current-bearing oxygen evolution catalysts. <i>Applied Catalysis B: Environmental</i> , 2022, 316, 121649.	20.2	9
6	Tracking the Oxygen Dynamics of Solid-Liquid Electrochemical Interfaces by Correlative In Situ Synchrotron Spectroscopies. <i>Accounts of Chemical Research</i> , 2022, 55, 1949-1959.	15.6	29
7	Symbiotic synergy enabling moderate oxo-hydroxy adsorption capacity for high-selectivity oxygen reduction. <i>Nano Energy</i> , 2022, 101, 107587.	16.0	6
8	Dissecting π -conjugated covalent-coupling over conductive MOFs toward efficient two-electron oxygen reduction. <i>Applied Catalysis B: Environmental</i> , 2022, 317, 121706.	20.2	15
9	Self-synergistic cobalt catalysts with symbiotic metal single-atoms and nanoparticles for efficient oxygen reduction. <i>Journal of Materials Chemistry A</i> , 2021, 9, 1127-1133.	10.3	21
10	Unveiling the Electrooxidation of Urea: Intramolecular Coupling of the N-N Bond. <i>Angewandte Chemie</i> , 2021, 133, 7373-7383.	2.0	24
11	Unveiling the Electrooxidation of Urea: Intramolecular Coupling of the N-N Bond. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 7297-7307.	13.8	204
12	High mass-specific reactivity of a defect-enriched Ru electrocatalyst for hydrogen evolution in harsh alkaline and acidic media. <i>Science China Materials</i> , 2021, 64, 2467-2476.	6.3	16
13	Electrochemical activation of C-H by electron-deficient W ₂ C nanocrystals for simultaneous alkoxylation and hydrogen evolution. <i>Nature Communications</i> , 2021, 12, 3882.	12.8	24
14	Identification of the Evolving Dynamics of Coordination-Unsaturated Iron Atomic Active Sites under Reaction Conditions. <i>ACS Energy Letters</i> , 2021, 6, 3359-3366.	17.4	49
15	Self-Nanocavity-Confined Halogen Anions Boosting the High Selectivity of the Two-Electron Oxygen Reduction Pathway over Ni-Based MOFs. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 8706-8712.	4.6	19
16	Nickel ferrocyanide as a high-performance urea oxidation electrocatalyst. <i>Nature Energy</i> , 2021, 6, 904-912.	39.5	305
17	In Situ Construction of Flexible V ₂ Ni Redox Centers over Ni-Based MOF Nanosheet Arrays for Electrochemical Water Oxidation. <i>Small Methods</i> , 2021, 5, e2100573.	8.6	28
18	Reduced interfacial tension on ultrathin NiCr-LDH nanosheet arrays for efficient electrocatalytic water oxidation. <i>Journal of Materials Chemistry A</i> , 2021, 9, 16706-16712.	10.3	18

#	ARTICLE	IF	CITATIONS
19	In-situ spectroscopic observation of dynamic-coupling oxygen on atomically dispersed iridium electrocatalyst for acidic water oxidation. <i>Nature Communications</i> , 2021, 12, 6118.	12.8	115
20	Dynamic CoïRu Bond Shrinkage at Atomically Dispersed Ru Sites for Alkaline Hydrogen Evolution Reaction. <i>Small</i> , 2021, 17, e2105231.	10.0	23
21	Operando infrared spectroscopic insights into the dynamic evolution of liquid-solid (photo)electrochemical interfaces. <i>Nano Energy</i> , 2020, 77, 105121.	16.0	45
22	Coupling N ₂ and CO ₂ in H ₂ O to synthesize urea under ambient conditions. <i>Nature Chemistry</i> , 2020, 12, 717-724.	13.6	485
23	Dynamic Evolution of SolidâLiquid Electrochemical Interfaces over Single-Atom Active Sites. <i>Journal of the American Chemical Society</i> , 2020, 142, 12306-12313.	13.7	124
24	CoâNi NanoalloyâOrganic Framework Electrocatalysts with Ultrahigh Electron Transfer Kinetics for Efficient Oxygen Reduction. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 6898-6904.	6.7	16
25	Hetero-N-Coordinated Co Single Sites with High Turnover Frequency for Efficient Electrocatalytic Oxygen Evolution in an Acidic Medium. <i>ACS Energy Letters</i> , 2019, 4, 1816-1822.	17.4	92
26	Donutlike RuCu Nanoalloy with Ultrahigh Mass Activity for Efficient and Robust Oxygen Evolution in Acid Solution. <i>ACS Applied Energy Materials</i> , 2019, 2, 7483-7489.	5.1	23
27	Subnano Amorphous Fe-Based Clusters with High Mass Activity for Efficient Electrocatalytic Oxygen Reduction Reaction. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 41432-41439.	8.0	18
28	Operando Insight into the Oxygen Evolution Kinetics on the Metal-Free Carbon-Based Electrocatalyst in an Acidic Solution. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 34854-34861.	8.0	37
29	An on-demand solar hydrogen-evolution system for unassisted high-efficiency pure-water splitting. <i>Journal of Materials Chemistry A</i> , 2019, 7, 17315-17323.	10.3	17
30	Heterogeneous single-site synergetic catalysis for spontaneous photocatalytic overall water splitting. <i>Journal of Materials Chemistry A</i> , 2019, 7, 11170-11176.	10.3	22
31	Lattice-strained metalâorganic-framework arrays for bifunctional oxygen electrocatalysis. <i>Nature Energy</i> , 2019, 4, 115-122.	39.5	680
32	Confined organometallic Au ₁ N single-site as an efficient bifunctional oxygen electrocatalyst. <i>Nano Energy</i> , 2018, 46, 110-116.	16.0	77
33	A metal-vacancy-solid-solution NiAlP nanowall array bifunctional electrocatalyst for exceptional all-pH overall water splitting. <i>Journal of Materials Chemistry A</i> , 2018, 6, 9420-9427.	10.3	74
34	Valence Band Engineering via Pt^{II} Single-Atom Confinement Realizing Photocatalytic Water Splitting. <i>Journal of Physical Chemistry C</i> , 2018, 122, 21108-21114.	3.1	51
35	Fast Photoelectron Transfer in (C_{ring})-âC₃N₄ Plane Heterostructural Nanosheets for Overall Water Splitting. <i>Journal of the American Chemical Society</i> , 2017, 139, 3021-3026.	13.7	640
36	Electron Delocalization Boosting Highly Efficient Electrocatalytic Water Oxidation in Layered Hydrotalcites. <i>Journal of Physical Chemistry C</i> , 2017, 121, 21962-21968.	3.1	25

#	ARTICLE	IF	CITATIONS
37	Strong Surface Hydrophilicity in Co-Based Electrocatalysts for Water Oxidation. ACS Applied Materials & Interfaces, 2017, 9, 26867-26873.	8.0	57
38	Synergetic enhancement of plasmonic hot-electron injection in Au cluster-nanoparticle/C ₃ N ₄ for photocatalytic hydrogen evolution. Journal of Materials Chemistry A, 2017, 5, 19649-19655.	10.3	61