Hui Su

List of Publications by Year
in descending order

38 papers	3,804 citations	279798 23 h-index	315739 38 g-index
38 all docs	38 docs citations	38 times ranked	3766 citing authors

#	Article	IF	Citations
1	Lattice-strained metalâ€“organic-framework arrays for bifunctional oxygen electrocatalysis. Nature Energy, 2019, 4, 115-122.	39.5	680
2	Fast Photoelectron Transfer in (C_{ring})â€“C₃N₄ Plane Heterostructural Nanosheets for Overall Water Splitting. Journal of the American Chemical Society, 2017, 139, 3021-3026.	13.7	640
3	Coupling N2 and CO2 in H2O to synthesize urea under ambient conditions. Nature Chemistry, 2020, 12, 717-724.	13.6	485
4	Nickel ferrocyanide as a high-performance urea oxidation electrocatalyst. Nature Energy, 2021, 6, 904-912.	39.5	305
5	Unveiling the Electrooxidation of Urea: Intramolecular Coupling of the Nâ€”N Bond. Angewandte Chemie - International Edition, 2021, 60, 7297-7307.	13.8	204
6	Boosting the Kinetics and Stability of Zn Anodes in Aqueous Electrolytes with Supramolecular Cyclodextrin Additives. Journal of the American Chemical Society, 2022, 144, 11129-11137.	13.7	196
7	Dynamic Evolution of Solidâ€“Liquid Electrochemical Interfaces over Single-Atom Active Sites. Journal of the American Chemical Society, 2020, 142, 12306-12313.	13.7	124
8	In-situ spectroscopic observation of dynamic-coupling oxygen on atomically dispersed iridium electrocatalyst for acidic water oxidation. Nature Communications, 2021, 12, 6118.	12.8	115
9	Platinum single-atom catalyst with self-adjustable valence state for large-current-density acidic water oxidation. EScience, 2022, 2, 102-109.	41.6	106
10	Hetero-N-Coordinated Co Single Sites with High Turnover Frequency for Efficient Electrocatalytic Oxygen Evolution in an Acidic Medium. ACS Energy Letters, 2019, 4, 1816-1822.	17.4	92
11	Confined organometallic Au1N single-site as an efficient bifunctional oxygen electrocatalyst. Nano Energy, 2018, 46, 110-116.	16.0	77
12	A metal-vacancy-solid-solution NiAlP nanowall array bifunctional electrocatalyst for exceptional all-pH overall water splitting. Journal of Materials Chemistry A, 2018, 6, 9420-9427.	10.3	74
13	Synergetic enhancement of plasmonic hot-electron injection in Au cluster-nanoparticle/C₃N₄ for photocatalytic hydrogen evolution. Journal of Materials Chemistry A, 2017, 5, 19649-19655.	10.3	61
14	Strong Surface Hydrophilicity in Co-Based Electrocatalysts for Water Oxidation. ACS Applied Materials & Interfaces, 2017, 9, 26867-26873.	8.0	57
15	Valence Band Engineering via Pt^{II} Single-Atom Confinement Realizing Photocatalytic Water Splitting. Journal of Physical Chemistry C, 2018, 122, 21108-21114.	3.1	51
16	Identification of the Evolving Dynamics of Coordination-Unsaturated Iron Atomic Active Sites under Reaction Conditions. ACS Energy Letters, 2021, 6, 3359-3366.	17.4	49
17	Operando infrared spectroscopic insights into the dynamic evolution of liquid-solid (photo)electrochemical interfaces. Nano Energy, 2020, 77, 105121.	16.0	45
18	Operando Insight into the Oxygen Evolution Kinetics on the Metal-Free Carbon-Based Electrocatalyst in an Acidic Solution. ACS Applied Materials & Interfaces, 2019, 11, 34854-34861.	8.0	37

#	Article	IF	Citations
19	Recent Advances in Dualâ€Atom Site Catalysts for Efficient Oxygen and Carbon Dioxide Electrocatalysis. Small Methods, 2022, 6, .	8.6	36
20	Tracking the Oxygen Dynamics of Solidâ€“Liquid Electrochemical Interfaces by Correlative In Situ Synchrotron Spectroscopies. Accounts of Chemical Research, 2022, 55, 1949-1959.	15.6	29
21	In Situ Construction of Flexible Vï£¿Ni Redox Centers over Niâ€Based MOF Nanosheet Arrays for Electrochemical Water Oxidation. Small Methods, 2021, 5, e2100573.	8.6	28
22	Electron Delocalization Boosting Highly Efficient Electrocatalytic Water Oxidation in Layered Hydrotalcites. Journal of Physical Chemistry C, 2017, 121, 21962-21968.	3.1	25
23	Unveiling the Electrooxidation of Urea: Intramolecular Coupling of the Nâ^'N Bond. Angewandte Chemie, 2021, 133, 7373-7383.	2.0	24
24	Electrochemical activation of Câ€“H by electron-deficient W2C nanocrystals for simultaneous alkoxylation and hydrogen evolution. Nature Communications, 2021, 12, 3882.	12.8	24
25	Donutlike RuCu Nanoalloy with Ultrahigh Mass Activity for Efficient and Robust Oxygen Evolution in Acid Solution. ACS Applied Energy Materials, 2019, 2, 7483-7489.	5.1	23
26	Dynamic Coï£¿Ru Bond Shrinkage at Atomically Dispersed Ru Sites for Alkaline Hydrogen Evolution Reaction. Small, 2021, 17, e2105231.	10.0	23
27	Heterogeneous single-site synergetic catalysis for spontaneous photocatalytic overall water splitting. Journal of Materials Chemistry A, 2019, 7, 11170-11176.	10.3	22
28	Self-synergistic cobalt catalysts with symbiotic metal single-atoms and nanoparticles for efficient oxygen reduction. Journal of Materials Chemistry A, 2021, 9, 1127-1133.	10.3	21
29	Self-Nanocavity-Confined Halogen Anions Boosting the High Selectivity of the Two-Electron Oxygen Reduction Pathway over Ni-Based MOFs. Journal of Physical Chemistry Letters, 2021, 12, 8706-8712.	4.6	19
30	Subnano Amorphous Fe-Based Clusters with High Mass Activity for Efficient Electrocatalytic Oxygen Reduction Reaction. ACS Applied Materials & Interfaces, 2019, 11, 41432-41439.	8.0	18
31	Reduced interfacial tension on ultrathin NiCr-LDH nanosheet arrays for efficient electrocatalytic water oxidation. Journal of Materials Chemistry A, 2021, 9, 16706-16712.	10.3	18
32	An on-demand solar hydrogen-evolution system for unassisted high-efficiency pure-water splitting. Journal of Materials Chemistry A, 2019, 7, 17315-17323.	10.3	17
33	Synergetic Dualâ€ion Centers Boosting Metal Organic Framework Alloy Catalysts toward Efficient Two Electron Oxygen Reduction. Small, 2022, 18, .	10.0	17
34	Coâ€“Ni Nanoalloyâ€“Organic Framework Electrocatalysts with Ultrahigh Electron Transfer Kinetics for Efficient Oxygen Reduction. ACS Sustainable Chemistry and Engineering, 2020, 8, 6898-6904.	6.7	16
35	High mass-specific reactivity of a defect-enriched Ru electrocatalyst for hydrogen evolution in harsh alkaline and acidic media. Science China Materials, 2021, 64, 2467-2476.	6.3	16
36	Dissecting Ï€-conjugated covalent-coupling over conductive MOFs toward efficient two-electron oxygen reduction. Applied Catalysis B: Environmental, 2022, 317, 121706.	20.2	15

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37	Valence-modified selenospinels as ampere-current-bearing oxygen evolution catalysts. Applied Catalysis B: Environmental, 2022, 316, 121649.	20.2	9
38	Symbiotic synergy enabling moderate oxo-hydroxy adsorption capacity for high-selectivity oxygen reduction. Nano Energy, 2022, 101, 107587.	16.0	6