

# Hui Su

## List of Publications by Year in descending order

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29  
papers

2,530  
citations

471509

17  
h-index

477307

29  
g-index

31  
all docs

31  
docs citations

31  
times ranked

3529  
citing authors

#	ARTICLE	IF	CITATIONS
1	Coupling N <sub>2</sub> and CO <sub>2</sub> in H <sub>2</sub> O to synthesize urea under ambient conditions. <i>Nature Chemistry</i> , 2020, 12, 717-724.	13.6	485
2	Janus Co/CoP Nanoparticles as Efficient Mott-Schottky Electrocatalysts for Overall Water Splitting in Wide pH Range. <i>Advanced Energy Materials</i> , 2017, 7, 1602355.	19.5	482
3	Activating Cobalt Nanoparticles via the Mott-Schottky Effect in Nitrogen-Rich Carbon Shells for Base-Free Aerobic Oxidation of Alcohols to Esters. <i>Journal of the American Chemical Society</i> , 2017, 139, 811-818.	13.7	351
4	Electrochemical Reduction of N <sub>2</sub> into NH <sub>3</sub> by Donor-Acceptor Couples of Ni and Au Nanoparticles with a 67.8% Faradaic Efficiency. <i>Journal of the American Chemical Society</i> , 2019, 141, 14976-14980.	13.7	290
5	Boosting selective nitrogen reduction to ammonia on electron-deficient copper nanoparticles. <i>Nature Communications</i> , 2019, 10, 4380.	12.8	203
6	Schottky Barrier Induced Coupled Interface of Electron-Rich N-Doped Carbon and Electron-Deficient Cu: In-Built Lewis Acid-Base Pairs for Highly Efficient CO <sub>2</sub> Fixation. <i>Journal of the American Chemical Society</i> , 2019, 141, 38-41.	13.7	123
7	Nitrogen-doped graphene microtubes with opened inner voids: Highly efficient metal-free electrocatalysts for alkaline hydrogen evolution reaction. <i>Nano Research</i> , 2016, 9, 2606-2615.	10.4	92
8	Enriching Co nanoparticles inside carbon nanofibers via nanoscale assembly of metal-organic complexes for highly efficient hydrogen evolution. <i>Nano Energy</i> , 2016, 22, 79-86.	16.0	68
9	Polarized few-layer g-C <sub>3</sub> N <sub>4</sub> as metal-free electrocatalyst for highly efficient reduction of CO <sub>2</sub> . <i>Nano Research</i> , 2018, 11, 2450-2459.	10.4	65
10	Atomic-Scale Mott-Schottky Heterojunctions of Boron Nitride Monolayer and Graphene as Metal-Free Photocatalysts for Artificial Photosynthesis. <i>Advanced Science</i> , 2018, 5, 1800062.	11.2	54
11	Heterojunction-Based Electron Donators to Stabilize and Activate Ultrafine Pt Nanoparticles for Efficient Hydrogen Atom Dissociation and Gas Evolution. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 25766-25770.	13.8	52
12	Grouping Effect of Single Nickel <sup>IV</sup> Sites in Nitrogen-Doped Carbon Boosts Hydrogen Transfer Coupling of Alcohols and Amines. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 15194-15198.	13.8	43
13	A Polyimide Nanolayer as a Metal-Free and Durable Organic Electrode Toward Highly Efficient Oxygen Evolution. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 12563-12566.	13.8	36
14	Enhanced oxygen electroreduction over nitrogen-free carbon nanotube-supported CuFeO <sub>2</sub> nanoparticles. <i>Journal of Materials Chemistry A</i> , 2018, 6, 4331-4336.	10.3	27
15	Isoelectric Si Heteroatoms as Electron Traps for N <sub>2</sub> Fixation and Activation. <i>Advanced Functional Materials</i> , 2020, 30, 2005779.	14.9	26
16	Electrochemical activation of C-H by electron-deficient W <sub>2</sub> C nanocrystals for simultaneous alkoxylation and hydrogen evolution. <i>Nature Communications</i> , 2021, 12, 3882.	12.8	24
17	Synergy of Fe-N <sub>4</sub> and non-coordinated boron atoms for highly selective oxidation of amine into nitrile. <i>Nano Research</i> , 2020, 13, 2079-2084.	10.4	23
18	Autoxidation of polythiophene tethered to carbon cloth boosts its electrocatalytic activity towards durable water oxidation. <i>Journal of Materials Chemistry A</i> , 2020, 8, 19793-19798.	10.3	11

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19	Nitrogen-thermal modification of the bifunctional interfaces of transition metal/carbon dyads for the reversible hydrogenation and dehydrogenation of heteroarenes. <i>Chemical Communications</i> , 2019, 55, 11394-11397.	4.1	10
20	A Polyimide Nanolayer as a Metal-Free and Durable Organic Electrode Toward Highly Efficient Oxygen Evolution. <i>Angewandte Chemie</i> , 2018, 130, 12743-12746.	2.0	9
21	Photogenerated singlet oxygen over zeolite-confined carbon dots for shape selective catalysis. <i>Science China Chemistry</i> , 2019, 62, 434-439.	8.2	9
22	Designed electron-deficient gold nanoparticles for a room-temperature Csp <sup>3</sup> -Csp <sup>3</sup> coupling reaction. <i>Chemical Communications</i> , 2021, 57, 741-744.	4.1	8
23	Grouping Effect of Single Nickel <sup>2+</sup> N 4 Sites in Nitrogen-Doped Carbon Boosts Hydrogen Transfer Coupling of Alcohols and Amines. <i>Angewandte Chemie</i> , 2018, 130, 15414-15418.	2.0	7
24	Electrostatically mediated selectivity of Pd nanocatalyst via rectifying contact with semiconductor: Replace ligands with light. <i>Applied Catalysis B: Environmental</i> , 2018, 238, 404-409.	20.2	7
25	Synergy of B and Al Dopants in Mesoporous MFI Nanocrystals for Highly Selective Alcoholysis of Furfuryl Alcohol into Ethyl Levulinate. <i>Energy Technology</i> , 2019, 7, 1900271.	3.8	7
26	Heterojunction-Based Electron Donators to Stabilize and Activate Ultrafine Pt Nanoparticles for Efficient Hydrogen Atom Dissociation and Gas Evolution. <i>Angewandte Chemie</i> , 2021, 133, 25970-25974.	2.0	7
27	Direct reduction of oxygen gas over dendritic carbons with hierarchical porosity: beyond the diffusion limitation. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 2023-2030.	6.0	6
28	A New Route to Cyclohexanone using H <sub>2</sub> CO <sub>3</sub> as a Molecular Catalytic Ligand to Boost the Thorough Hydrogenation of Nitroarenes over Pd Nanocatalysts. <i>ChemCatChem</i> , 2019, 11, 2837-2842.	3.7	4
29	Semiconductor-based nanocomposites for selective organic synthesis. <i>Nano Select</i> , 2021, 2, 1799.	3.7	1