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	Designed electron-deficient gold nanoparticles for a room-temperature Csp3â€“Csp3 coupling reaction. Chemical Communications, 2021, 57, 741-744.	4.1	8
2	Semiconductorâ€based nanocomposites for selective organic synthesis. Nano Select, 2021, 2, 1799.	3.7	1
3	Electrochemical activation of Câ€“H by electron-deficient W2C nanocrystals for simultaneous alkoxylation and hydrogen evolution. Nature Communications, 2021, 12, 3882.	12.8	24
4	Heterojunctionâ€Based Electron Donators to Stabilize and Activate Ultrafine Pt Nanoparticles for Efficient Hydrogen Atom Dissociation and Gas Evolution. Angewandte Chemie, 2021, 133, 25970-25974.	2.0	7
5	Heterojunctionâ€Based Electron Donators to Stabilize and Activate Ultrafine Pt Nanoparticles for Efficient Hydrogen Atom Dissociation and Gas Evolution. Angewandte Chemie - International Edition, 2021, 60, 25766-25770.	13.8	52
6	Isoelectric Si Heteroatoms as Electron Traps for N₂ Fixation and Activation. Advanced Functional Materials, 2020, 30, 2005779.	14.9	26
7	Autoxidation of polythiophene tethered to carbon cloth boosts its electrocatalytic activity towards durable water oxidation. Journal of Materials Chemistry A, 2020, 8, 19793-19798.	10.3	11
8	Synergy of Fe-N4 and non-coordinated boron atoms for highly selective oxidation of amine into nitrile. Nano Research, 2020, 13, 2079-2084.	10.4	23
9	Coupling N2 and CO2 in H2O to synthesize urea under ambient conditions. Nature Chemistry, 2020, 12, 717-724.	13.6	485
10	Nitrogen-thermal modification of the bifunctional interfaces of transition metal/carbon dyads for the reversible hydrogenation and dehydrogenation of heteroarenes. Chemical Communications, 2019, 55, 11394-11397.	4.1	10
11	Electrochemical Reduction of N₂ into NH₃ by Donorâ€“Acceptor Couples of Ni and Au Nanoparticles with a 67.8% Faradaic Efficiency. Journal of the American Chemical Society, 2019, 141, 14976-14980.	13.7	290
12	Boosting selective nitrogen reduction to ammonia on electron-deficient copper nanoparticles. Nature Communications, 2019, 10, 4380.	12.8	203
13	A New Route to Cyclohexanone using H₂CO₃ as a Molecular Catalytic Ligand to Boost the Thorough Hydrogenation of Nitroarenes over Pd Nanocatalysts. ChemCatChem, 2019, 11, 2837-2842.	3.7	4
14	Synergy of B and Al Dopants in Mesoporous MFI Nanocrystals for Highly Selective Alcoholysis of Furfuryl Alcohol into Ethyl Levulinate. Energy Technology, 2019, 7, 1900271.	3.8	7
15	Photogenerated singlet oxygen over zeolite-confined carbon dots for shape selective catalysis. Science China Chemistry, 2019, 62, 434-439.	8.2	9
16	Schottky Barrier Induced Coupled Interface of Electron-Rich N-Doped Carbon and Electron-Deficient Cu: In-Built Lewis Acidâ€“Base Pairs for Highly Efficient CO₂ Fixation. Journal of the American Chemical Society, 2019, 141, 38-41.	13.7	123
17	Enhanced oxygen electroreduction over nitrogen-free carbon nanotube-supported CuFeO₂ nanoparticles. Journal of Materials Chemistry A, 2018, 6, 4331-4336.	10.3	27
18	Polarized few-layer g-C3N4 as metal-free electrocatalyst for highly efficient reduction of CO2. Nano Research, 2018, 11, 2450-2459.	10.4	65

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19	Grouping Effect of Single Nickelâ^'N 4 Sites in Nitrogenâ€Doped Carbon Boosts Hydrogen Transfer Coupling of Alcohols and Amines. Angewandte Chemie, 2018, 130, 15414-15418.	2.0	7
20	Grouping Effect of Single Nickelâ^'N₄ Sites in Nitrogenâ€Doped Carbon Boosts Hydrogen Transfer Coupling of Alcohols and Amines. Angewandte Chemie - International Edition, 2018, 57, 15194-15198.	13.8	43
21	Atomicâ€Scale Mottâ€“Schottky Heterojunctions of Boron Nitride Monolayer and Graphene as Metalâ€Free Photocatalysts for Artificial Photosynthesis. Advanced Science, 2018, 5, 1800062.	11.2	54
22	A Polyimide Nanolayer as a Metalâ€Free and Durable Organic Electrode Toward Highly Efficient Oxygen Evolution. Angewandte Chemie - International Edition, 2018, 57, 12563-12566.	13.8	36
23	Electrostatically mediated selectivity of Pd nanocatalyst via rectifying contact with semiconductor: Replace ligands with light. Applied Catalysis B: Environmental, 2018, 238, 404-409.	20.2	7
24	A Polyimide Nanolayer as a Metalâ€Free and Durable Organic Electrode Toward Highly Efficient Oxygen Evolution. Angewandte Chemie, 2018, 130, 12743-12746.	2.0	9
25	Direct reduction of oxygen gas over dendritic carbons with hierarchical porosity: beyond the diffusion limitation. Inorganic Chemistry Frontiers, 2018, 5, 2023-2030.	6.0	6
26	Janus Co/CoP Nanoparticles as Efficient Mottâ€“Schottky Electrocatalysts for Overall Water Splitting in Wide pH Range. Advanced Energy Materials, 2017, 7, 1602355.	19.5	482
27	Activating Cobalt Nanoparticles via the Mottâ€“Schottky Effect in Nitrogen-Rich Carbon Shells for Base-Free Aerobic Oxidation of Alcohols to Esters. Journal of the American Chemical Society, 2017, 139, 811-818.	13.7	351
28	Nitrogen-doped graphene microtubes with opened inner voids: Highly efficient metal-free electrocatalysts for alkaline hydrogen evolution reaction. Nano Research, 2016, 9, 2606-2615.	10.4	92
29	Enriching Co nanoparticles inside carbon nanofibers via nanoscale assembly of metalâ€“organic complexes for highly efficient hydrogen evolution. Nano Energy, 2016, 22, 79-86.	16.0	68