

Peixin Cui

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

1,785
citations

430442

18
h-index

642321

23
g-index

25
all docs

25
docs citations

25
times ranked

2035
citing authors

#	ARTICLE	IF	CITATIONS
1	General synthesis of single-atom catalysts with high metal loading using graphene quantum dots. <i>Nature Chemistry</i> , 2021, 13, 887-894.	6.6	362
2	A general synthesis approach for amorphous noble metal nanosheets. <i>Nature Communications</i> , 2019, 10, 4855.	5.8	321
3	Platinum/Nickel Bicarbonate Heterostructures towards Accelerated Hydrogen Evolution under Alkaline Conditions. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 5432-5437.	7.2	194
4	Multifunctional Active Center-Transferable Platinum/Lithium Cobalt Oxide Heterostructured Electrocatalysts towards Superior Water Splitting. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 14533-14540.	7.2	152
5	Amorphization-induced surface electronic states modulation of cobaltous oxide nanosheets for lithium-sulfur batteries. <i>Nature Communications</i> , 2021, 12, 3102.	5.8	103
6	Unprecedentedly high activity and selectivity for hydrogenation of nitroarenes with single atomic Co ₁ -N ₃ P ₁ sites. <i>Nature Communications</i> , 2022, 13, 723.	5.8	91
7	Pillar-beam structures prevent layered cathode materials from destructive phase transitions. <i>Nature Communications</i> , 2021, 12, 13.	5.8	85
8	Modulating oxygen coverage of Ti ₃ C ₂ T _x MXenes to boost catalytic activity for HCOOH dehydrogenation. <i>Nature Communications</i> , 2020, 11, 4251.	5.8	81
9	A Single-Atom Iridium Heterogeneous Catalyst in Oxygen Reduction Reaction. <i>Angewandte Chemie</i> , 2019, 131, 9742-9747.	1.6	59
10	Anchoring Pt Single Atoms on Te Nanowires for Plasmon-Enhanced Dehydrogenation of Formic Acid at Room Temperature. <i>Advanced Science</i> , 2019, 6, 1900006.	5.6	49
11	Active Iron Phases Regulate the Abiotic Transformation of Organic Carbon during Redox Fluctuation Cycles of Paddy Soil. <i>Environmental Science & Technology</i> , 2021, 55, 14281-14293.	4.6	48
12	Atomically Dispersed Manganese on Biochar Derived from a Hyperaccumulator for Photocatalysis in Organic Pollution Remediation. <i>Environmental Science & Technology</i> , 2022, 56, 8034-8042.	4.6	41
13	An N,S-Anchored Single-Atom Catalyst Derived from Domestic Waste for Environmental Remediation. <i>ACS ES&T Engineering</i> , 2021, 1, 1460-1469.	3.7	33
14	Atomic-Level Modulation of the Interface Chemistry of Platinum-Nickel Oxide toward Enhanced Hydrogen Electrocatalysis Kinetics. <i>Nano Letters</i> , 2021, 21, 4845-4852.	4.5	31
15	Fate of As(III) and As(V) during Microbial Reduction of Arsenic-Bearing Ferrihydrite Facilitated by Activated Carbon. <i>ACS Earth and Space Chemistry</i> , 2018, 2, 878-887.	1.2	30
16	Amorphous Metal Oxide Nanosheets Featuring Reversible Structure Transformations as Sodium-Ion Battery Anodes. <i>Cell Reports Physical Science</i> , 2020, 1, 100118.	2.8	29
17	Role of Reduced Sulfur in the Transformation of Cd(II) Immobilized by γ-MnO ₂ . <i>Environmental Science & Technology</i> , 2020, 54, 14955-14963.	4.6	22
18	Dissolution and Transformation of ZnO Nano- and Microparticles in Soil Mineral Suspensions. <i>ACS Earth and Space Chemistry</i> , 2019, 3, 495-502.	1.2	18

#	ARTICLE	IF	CITATIONS
19	Pyridinic- and Pyrrolic Nitrogen in Pyrogenic Carbon Improves Electron Shuttling during Microbial Fe(III) Reduction. ACS Earth and Space Chemistry, 2021, 5, 900-909.	1.2	11
20	Single Tungsten Atom-Modified Cotton Fabrics for Visible-Light-Driven Photocatalytic Degradation and Antibacterial Activity. ACS Applied Bio Materials, 2021, 4, 4345-4353.	2.3	8
21	Analysis of the Cd(II) Adsorption Performance and Mechanisms by Soybean Root Biochar: Effect of Pyrolysis Temperatures. Bulletin of Environmental Contamination and Toxicology, 2021, 107, 553-558.	1.3	6
22	Facet-Dependent Photoinduced Transformation of Cadmium Sulfide (CdS) Nanoparticles. Environmental Science & Technology, 2021, 55, 13132-13141.	4.6	5
23	Reversing the Catalytic Selectivity of Single-Atom Ru via Support Amorphization. JACS Au, 2022, 2, 1078-1083.	3.6	5
24	Formation of Cr-based layered double hydroxide: effect of the amendments. Bulletin of Environmental Contamination and Toxicology, 0, , .	1.3	1