

Jun Ren

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

2,100
citations

430754

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docs citations

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times ranked

3079
citing authors

#	ARTICLE	IF	CITATIONS
1	Phosphorus-Doped Co ₃ O ₄ Nanowire Array: A Highly Efficient Bifunctional Electrocatalyst for Overall Water Splitting. ACS Catalysis, 2018, 8, 2236-2241.	5.5	517
2	Electronic Structure Tuning in Ni ₃ FeN/r-GO Aerogel toward Bifunctional Electrocatalyst for Overall Water Splitting. ACS Nano, 2018, 12, 245-253.	7.3	462
3	A [001]-Oriented Hittorf's Phosphorus Nanorods/Polymeric Carbon Nitride Heterostructure for Boosting Wide-Spectrum-Responsive Photocatalytic Hydrogen Evolution from Pure Water. Angewandte Chemie - International Edition, 2020, 59, 868-873.	7.2	164
4	Red phosphorus decorated and doped TiO ₂ nanofibers for efficient photocatalytic hydrogen evolution from pure water. Applied Catalysis B: Environmental, 2019, 255, 117764.	10.8	151
5	Interface engineering of 3D BiVO ₄ /Fe-based layered double hydroxide core/shell nanostructures for boosting photoelectrochemical water oxidation. Journal of Materials Chemistry A, 2017, 5, 9952-9959.	5.2	134
6	One-stone, two birds: Alloying effect and surface defects induced by Pt on Cu _{2-x} Se nanowires to boost C-C bond cleavage for electrocatalytic ethanol oxidation. Nano Energy, 2021, 88, 106307.	8.2	99
7	Elemental red phosphorus-based materials for photocatalytic water purification and hydrogen production. Nanoscale, 2020, 12, 13297-13310.	2.8	86
8	Performance of Preformed Au/Cu Nanoclusters Deposited on MgO Powders in the Catalytic Reduction of 4-Nitrophenol in Solution. Small, 2018, 14, e1703734.	5.2	71
9	Direct catalytic conversion of glucose and cellulose. Green Chemistry, 2018, 20, 863-872.	4.6	65
10	Photogenerated-carrier separation along edge dislocation of WO ₃ single-crystal nanoflower photoanode. Journal of Materials Chemistry A, 2018, 6, 8604-8611.	5.2	51
11	High selectivity for n-dodecane hydroisomerization over highly siliceous ZSM-22 with low Pt loading. Catalysis Science and Technology, 2017, 7, 5055-5068.	2.1	42
12	A [001]-Oriented Hittorf's Phosphorus Nanorods/Polymeric Carbon Nitride Heterostructure for Boosting Wide-Spectrum-Responsive Photocatalytic Hydrogen Evolution from Pure Water. Angewandte Chemie, 2020, 132, 878-883.	1.6	40
13	Visible-light driven rapid bacterial inactivation on red phosphorus/titanium oxide nanofiber heterostructures. Journal of Hazardous Materials, 2021, 413, 125462.	6.5	37
14	Natural Wood Structure Inspires Practical Lithium-Metal Batteries. ACS Energy Letters, 2021, 6, 2103-2110.	8.8	29
15	How heteroatoms (Ge, N, P) improve the electrocatalytic performance of graphene: theory and experiment. Science Bulletin, 2018, 63, 155-158.	4.3	28
16	Product Distribution Control for Glucosamine Condensation: Nuclear Magnetic Resonance (NMR) Investigation Substantiated by Density Functional Calculations. Industrial & Engineering Chemistry Research, 2017, 56, 2925-2934.	1.8	27
17	Hierarchically Porous and Defective Carbon Fiber Cathode for Efficient Zn-Air Batteries and Microbial Fuel Cells. Advanced Fiber Materials, 2022, 4, 795-806.	7.9	26
18	Micropore blocked core-shell ZSM-22 designed via epitaxial growth with enhanced shape selectivity and high n-dodecane hydroisomerization performance. Catalysis Science and Technology, 2018, 8, 6407-6419.	2.1	23

#	ARTICLE	IF	CITATIONS
19	Selenite capture by MIL-101 (Fe) through Fe O Se bonds at free coordination Fe sites. Journal of Hazardous Materials, 2022, 424, 127715.	6.5	17
20	Germanium and phosphorus co-doped carbon nanotubes with high electrocatalytic activity for oxygen reduction reaction. RSC Advances, 2016, 6, 33205-33211.	1.7	15
21	DFT Study on the Interaction of Subnanometer Cobalt Clusters with Pristine/Defective Graphene. Bulletin of the Korean Chemical Society, 2019, 40, 446-452.	1.0	6
22	Theoretical insight into Cobalt subnano-clusters adsorption on γ -Al ₂ O ₃ (0001). Journal of Solid State Chemistry, 2017, 246, 176-185.	1.4	5
23	Effect of precursor on the performance of phosphate-modified γ -Al ₂ O ₃ catalysts for the dehydration of methanol. RSC Advances, 2015, 5, 92628-92633.	1.7	3
24	Effect of local coordination on catalytic activities and selectivities of Fe-based catalysts for N ₂ reduction. Physical Chemistry Chemical Physics, 2022, 24, 14517-14524.	1.3	1