

Jun Ren

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

2,100
citations

430754

18
h-index

580701

25
g-index

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all docs

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docs citations

26
times ranked

3079
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	Natural Wood Structure Inspires Practical Lithium-Metal Batteries. ACS Energy Letters, 2021, 6, 2103-2110.	8.8	29
5	Visible-light driven rapid bacterial inactivation on red phosphorus/titanium oxide nanofiber heterostructures. Journal of Hazardous Materials, 2021, 413, 125462.	6.5	37
6	One-stone, two birds: Alloying effect and surface defects induced by Pt on Cu ₂ xSe nanowires to boost C-C bond cleavage for electrocatalytic ethanol oxidation. Nano Energy, 2021, 88, 106307.	8.2	99
7	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
8	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
9	Elemental red phosphorus-based materials for photocatalytic water purification and hydrogen production. Nanoscale, 2020, 12, 13297-13310.	2.8	86
10	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
11	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
12	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
13	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
14	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
15	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
16	How heteroatoms (Ge, N, P) improve the electrocatalytic performance of graphene: theory and experiment. Science Bulletin, 2018, 63, 155-158.	4.3	28
17	Direct catalytic conversion of glucose and cellulose. Green Chemistry, 2018, 20, 863-872.	4.6	65
18	Micropore blocked core-shell ZSM-22 designed <i>via</i> epitaxial growth with enhanced shape selectivity and high <i>n</i> -dodecane hydroisomerization performance. Catalysis Science and Technology, 2018, 8, 6407-6419.	2.1	23

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19	Product Distribution Control for Glucosamine Condensation: Nuclear Magnetic Resonance (NMR) Investigation Substantiated by Density Functional Calculations. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 2925-2934.	1.8	27
20	Interface engineering of 3D BiVO ₄ /Fe-based layered double hydroxide core/shell nanostructures for boosting photoelectrochemical water oxidation. <i>Journal of Materials Chemistry A</i> , 2017, 5, 9952-9959.	5.2	134
21	Theoretical insight into Cobalt subnano-clusters adsorption on $\hat{1}\pm$ -Al ₂ O ₃ (0001). <i>Journal of Solid State Chemistry</i> , 2017, 246, 176-185.	1.4	5
22	High selectivity for n-dodecane hydroisomerization over highly siliceous ZSM-22 with low Pt loading. <i>Catalysis Science and Technology</i> , 2017, 7, 5055-5068.	2.1	42
23	Germanium and phosphorus co-doped carbon nanotubes with high electrocatalytic activity for oxygen reduction reaction. <i>RSC Advances</i> , 2016, 6, 33205-33211.	1.7	15
24	Effect of precursor on the performance of phosphate-modified $\hat{1}^3$ -Al ₂ O ₃ catalysts for the dehydration of methanol. <i>RSC Advances</i> , 2015, 5, 92628-92633.	1.7	3