

Yichen Wang

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

1,393
citations

471509

17
h-index

752698

20
g-index

23
all docs

23
docs citations

23
times ranked

2514
citing authors

#	ARTICLE	IF	CITATIONS
1	Simple and Clean Photoinduced Aromatic Trifluoromethylation Reaction. <i>Journal of the American Chemical Society</i> , 2016, 138, 5809-5812.	13.7	271
2	Changes in air quality related to the control of coronavirus in China: Implications for traffic and industrial emissions. <i>Science of the Total Environment</i> , 2020, 731, 139133.	8.0	208
3	Tunable Syngas Production from CO ₂ and H ₂ O in an Aqueous Photoelectrochemical Cell. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 14262-14266.	13.8	105
4	Nitrogen Photofixation over III ⁺ Nitride Nanowires Assisted by Ruthenium Clusters of Low Atomicity. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 8701-8705.	13.8	96
5	Silver nanorods for oxygen reduction: Strong effects of protecting ligand on the electrocatalytic activity. <i>Journal of Power Sources</i> , 2011, 196, 3033-3038.	7.8	93
6	Gallium nitride nanowire as a linker of molybdenum sulfides and silicon for photoelectrocatalytic water splitting. <i>Nature Communications</i> , 2018, 9, 3856.	12.8	87
7	A GaN:Sn nanoarchitecture integrated on a silicon platform for converting CO ₂ to HCOOH by photoelectrocatalysis. <i>Energy and Environmental Science</i> , 2019, 12, 2842-2848.	30.8	75
8	Solar Water Oxidation by an InGaN Nanowire Photoanode with a Bandgap of 1.7 eV. <i>ACS Energy Letters</i> , 2018, 3, 307-314.	17.4	73
9	A Monolithically Integrated Gallium Nitride Nanowire/Silicon Solar Cell Photocathode for Selective Carbon Dioxide Reduction to Methane. <i>Chemistry - A European Journal</i> , 2016, 22, 8809-8813.	3.3	57
10	Physicochemical characteristics of black carbon aerosol and its radiative impact in a polluted urban area of China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 12,505.	3.3	49
11	Increased secondary aerosol contribution and possible processing on polluted winter days in China. <i>Environment International</i> , 2019, 127, 78-84.	10.0	48
12	Wafer-scale synthesis of monolayer WSe ₂ : A multi-functional photocatalyst for efficient overall pure water splitting. <i>Nano Energy</i> , 2018, 51, 54-60.	16.0	45
13	Facile Preparation of Porous Carbon Nanosheets without Template and Their Excellent Electrocatalytic Property. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 11597-11602.	8.0	43
14	Characterization, mixing state, and evolution of urban single particles in Xi'an (China) during wintertime haze days. <i>Science of the Total Environment</i> , 2016, 573, 937-945.	8.0	37
15	Nitrogen Photofixation over III ⁺ Nitride Nanowires Assisted by Ruthenium Clusters of Low Atomicity. <i>Angewandte Chemie</i> , 2017, 129, 8827-8831.	2.0	25
16	Chemical composition and sources of submicron aerosols in winter at a regional site in Beijing-Tianjin-Hebei region: Implications for the Joint Action Plan. <i>Science of the Total Environment</i> , 2020, 719, 137547.	8.0	23
17	Synthesis of cell-penetrated nitrogen-doped carbon dots by hydrothermal treatment of eggplant sepals. <i>Science China Chemistry</i> , 2016, 59, 836-842.	8.2	17
18	Efficient Nitrogen Fixation Catalyzed by Gallium Nitride Nanowire Using Nitrogen and Water. <i>IScience</i> , 2019, 17, 208-216.	4.1	16

#	ARTICLE	IF	CITATIONS
19	Photoelectrochemical reduction of carbon dioxide using Ge doped GaN nanowire photoanodes. APL Materials, 2015, 3, 116106.	5.1	13
20	Tunable Syngas Production from CO ₂ and H ₂ O in an Aqueous Photoelectrochemical Cell. Angewandte Chemie, 2016, 128, 14474-14478.	2.0	12
21	High efficiency GaN nanowire/Si photocathode for photoelectrochemical water splitting. , 2017, , .		0
22	Hierarchical InGaN Nanowires for High-Efficiency Solar Water Splitting. Microscopy and Microanalysis, 2018, 24, 1670-1671.	0.4	0