

# 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	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
2	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
3	Efficient Nitrogen Fixation Catalyzed by Gallium Nitride Nanowire Using Nitrogen and Water. <i>IScience</i> , 2019, 17, 208-216.	4.1	16
4	A GaN:Sn nanoarchitecture integrated on a silicon platform for converting CO <sub>2</sub> to HCOOH by photoelectrocatalysis. <i>Energy and Environmental Science</i> , 2019, 12, 2842-2848.	30.8	75
5	Increased secondary aerosol contribution and possible processing on polluted winter days in China. <i>Environment International</i> , 2019, 127, 78-84.	10.0	48
6	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
7	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
8	Hierarchical InGaN Nanowires for High-Efficiency Solar Water Splitting. <i>Microscopy and Microanalysis</i> , 2018, 24, 1670-1671.	0.4	0
9	Wafer-scale synthesis of monolayer WSe <sub>2</sub> : A multi-functional photocatalyst for efficient overall pure water splitting. <i>Nano Energy</i> , 2018, 51, 54-60.	16.0	45
10	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
11	Nitrogen Photofixation over III-Nitride Nanowires Assisted by Ruthenium Clusters of Low Atomicity. <i>Angewandte Chemie</i> , 2017, 129, 8827-8831.	2.0	25
12	High efficiency GaN nanowire/Si photocathode for photoelectrochemical water splitting. , 2017, , .		0
13	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
14	Simple and Clean Photoinduced Aromatic Trifluoromethylation Reaction. <i>Journal of the American Chemical Society</i> , 2016, 138, 5809-5812.	13.7	271
15	Tunable Syngas Production from CO <sub>2</sub> and H <sub>2</sub> O in an Aqueous Photoelectrochemical Cell. <i>Angewandte Chemie</i> , 2016, 128, 14474-14478.	2.0	12
16	Tunable Syngas Production from CO <sub>2</sub> and H <sub>2</sub> O in an Aqueous Photoelectrochemical Cell. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 14262-14266.	13.8	105
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	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
20	Photoelectrochemical reduction of carbon dioxide using Ge doped GaN nanowire photoanodes. <i>APL Materials</i> , 2015, 3, 116106.	5.1	13
21	Facile Preparation of Porous Carbon Nanosheets without Template and Their Excellent Electrocatalytic Property. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 11597-11602.	8.0	43
22	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