

# Jiheng Zhao

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1601079/publications.pdf>

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13  
papers

2,876  
citations

858243

12  
h-index

1181555

14  
g-index

14  
all docs

14  
docs citations

14  
times ranked

7523  
citing authors

#	ARTICLE	IF	CITATIONS
1	On-demand production of hydrogen by reacting porous silicon nanowires with water. Nano Research, 2020, 13, 1459-1464.	5.8	14
2	Modified Microemulsion Synthesis of Highly Dispersed Al/PVDF Composites with Enhanced Combustion Properties. Advanced Engineering Materials, 2019, 21, 1801330.	1.6	28
3	Enabling silicon photoanodes for efficient solar water splitting by electroless-deposited nickel. Nano Research, 2018, 11, 3499-3508.	5.8	31
4	Energetic Performance of Optically Activated Aluminum/Graphene Oxide Composites. ACS Nano, 2018, 12, 11366-11375.	7.3	99
5	Epitaxial growth of WO <sub>3</sub> nanoneedles achieved using a facile flame surface treatment process engineering of hole transport and water oxidation reactivity. Journal of Materials Chemistry A, 2018, 6, 19542-19546.	5.2	31
6	Tuning the morphological, ignition and combustion properties of micron-Al/CuO thermites through different synthesis approaches. Combustion and Flame, 2018, 195, 303-310.	2.8	36
7	Conformal Electroless Nickel Plating on Silicon Wafers, Convex and Concave Pyramids, and Ultralong Nanowires. ACS Applied Materials & Interfaces, 2018, 10, 22834-22840.	4.0	11
8	Stabilizing Silicon Photocathodes by Solution-Deposited Ni-Fe Layered Double Hydroxide for Efficient Hydrogen Evolution in Alkaline Media. ACS Energy Letters, 2017, 2, 1939-1946.	8.8	61
9	Electroless Deposition and Ignition Properties of Si/Fe <sub>2</sub> O <sub>3</sub> Core/Shell Nanothermites. ACS Omega, 2017, 2, 3596-3600.	1.6	24
10	High-Performance Ultrathin BiVO <sub>4</sub> Photoanode on Textured Polydimethylsiloxane Substrates for Solar Water Splitting. ACS Energy Letters, 2016, 1, 68-75.	8.8	66
11	One-Step Hydrothermal Deposition of Ni:FeOOH onto Photoanodes for Enhanced Water Oxidation. ACS Energy Letters, 2016, 1, 624-632.	8.8	122
12	Activating and optimizing MoS <sub>2</sub> basal planes for hydrogen evolution through the formation of strained sulphur vacancies. Nature Materials, 2016, 15, 48-53.	13.3	2,021
13	Optoelectronic crystal of artificial atoms in strain-textured molybdenum disulphide. Nature Communications, 2015, 6, 7381.	5.8	331