

# Zhaoyang Fan

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/7078591/zhaoyang-fan-publications-by-citations.pdf>

**Version:** 2024-04-19

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

35  
papers

2,350  
citations

25  
h-index

36  
g-index

36  
ext. papers

2,759  
ext. citations

8.6  
avg, IF

5.21  
L-index

#	Paper	IF	Citations
35	Highly Efficient Photocatalyst Based on a CdS Quantum Dots/ZnO Nanosheets 0D/2D Heterojunction for Hydrogen Evolution from Water Splitting. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 25377-25386	9.5	173
34	A Nanosheets-on-Channel Architecture Constructed from MoS <sub>2</sub> and CMK-3 for High-Capacity and Long-Cycle-Life Lithium Storage. <i>Advanced Energy Materials</i> , <b>2014</b> , 4, 1400902	21.8	166
33	Hierarchical NiCo <sub>2</sub> O <sub>4</sub> [email protected] Nanotubes with Ultrahigh Capacitance and Long Cycle Stability As Electrochemical Pseudocapacitor Materials. <i>Chemistry of Materials</i> , <b>2014</b> , 26, 4354-4360	9.6	164
32	In situ synthesis of C-doped TiO <sub>2</sub> @g-C <sub>3</sub> N <sub>4</sub> core-shell hollow nanospheres with enhanced visible-light photocatalytic activity for H <sub>2</sub> evolution. <i>Chemical Engineering Journal</i> , <b>2017</b> , 322, 435-444	14.7	161
31	Rational design of CdS@ZnO core-shell structure via atomic layer deposition for drastically enhanced photocatalytic H <sub>2</sub> evolution with excellent photostability. <i>Nano Energy</i> , <b>2017</b> , 39, 183-191	17.1	156
30	Fabrication of MoS <sub>2</sub> nanosheet@TiO <sub>2</sub> nanotube hybrid nanostructures for lithium storage. <i>Nanoscale</i> , <b>2014</b> , 6, 5245-50	7.7	145
29	Ultrathin NiO nanosheets anchored on a highly ordered nanostructured carbon as an enhanced anode material for lithium ion batteries. <i>Nano Energy</i> , <b>2015</b> , 16, 152-162	17.1	141
28	Mn/CeO <sub>2</sub> catalysts for SCR of NO <sub>x</sub> with NH <sub>3</sub> : comparative study on the effect of supports on low-temperature catalytic activity. <i>Applied Surface Science</i> , <b>2017</b> , 411, 338-346	6.7	105
27	Gd-modified MnO <sub>x</sub> for the selective catalytic reduction of NO by NH <sub>3</sub> : The promoting effect of Gd on the catalytic performance and sulfur resistance. <i>Chemical Engineering Journal</i> , <b>2018</b> , 348, 820-830	14.7	103
26	Rationally Designed Porous MnO-FeO Nanoneedles for Low-Temperature Selective Catalytic Reduction of NO by NH <sub>3</sub> . <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 16117-16127	9.5	99
25	WS <sub>2</sub> /Graphitic Carbon Nitride Heterojunction Nanosheets Decorated with CdS Quantum Dots for Photocatalytic Hydrogen Production. <i>ChemSusChem</i> , <b>2018</b> , 11, 1187-1197	8.3	95
24	Fabrication of g-C <sub>3</sub> N <sub>4</sub> /Au/C-TiO <sub>2</sub> Hollow Structures as Visible-Light-Driven Z-Scheme Photocatalysts with Enhanced Photocatalytic H <sub>2</sub> Evolution. <i>ChemCatChem</i> , <b>2017</b> , 9, 3752-3761	5.2	92
23	"Fast SCR" reaction over Sm-modified MnO <sub>x</sub> -TiO <sub>2</sub> for promoting reduction of NO <sub>x</sub> with NH <sub>3</sub> . <i>Applied Catalysis A: General</i> , <b>2018</b> , 564, 102-112	5.1	76
22	A NiCo <sub>2</sub> O <sub>4</sub> nanosheet-mesoporous carbon composite electrode for enhanced reversible lithium storage. <i>Carbon</i> , <b>2016</b> , 99, 633-641	10.4	69
21	Multiple carrier-transfer pathways in a flower-like InS/CdInS/InO ternary heterostructure for enhanced photocatalytic hydrogen production. <i>Nanoscale</i> , <b>2018</b> , 10, 7860-7870	7.7	67
20	MnM <sub>2</sub> O <sub>4</sub> microspheres (M = Co, Cu, Ni) for selective catalytic reduction of NO with NH <sub>3</sub> : Comparative study on catalytic activity and reaction mechanism via in-situ diffuse reflectance infrared Fourier transform spectroscopy. <i>Chemical Engineering Journal</i> , <b>2017</b> , 325, 91-100	14.7	66
19	Direct growth of 3D host on Cu foil for stable lithium metal anode. <i>Energy Storage Materials</i> , <b>2018</b> , 13, 323-328	19.4	66

18	Sulfur and Water Resistance of Mn-Based Catalysts for Low-Temperature Selective Catalytic Reduction of NO <sub>x</sub> : A Review. <i>Catalysts</i> , <b>2018</b> , 8, 11	4	59
17	Stable 1T-phase MoS <sub>2</sub> as an effective electron mediator promoting photocatalytic hydrogen production. <i>Nanoscale</i> , <b>2018</b> , 10, 9292-9303	7.7	49
16	Eu-Mn-Ti mixed oxides for the SCR of NO <sub>x</sub> with NH <sub>3</sub> : The effects of Eu-modification on catalytic performance and mechanism. <i>Fuel Processing Technology</i> , <b>2017</b> , 167, 322-333	7.2	48
15	Charge-redistribution-induced new active sites on (0 0 1) facets of $\beta$ -Mn <sub>2</sub> O <sub>3</sub> for significantly enhanced selective catalytic reduction of NO by NH <sub>3</sub> . <i>Journal of Catalysis</i> , <b>2019</b> , 370, 30-37	7.3	35
14	The insight into the role of Al <sub>2</sub> O <sub>3</sub> in promoting the SO <sub>2</sub> tolerance of MnO <sub>x</sub> for low-temperature selective catalytic reduction of NO <sub>x</sub> with NH <sub>3</sub> . <i>Chemical Engineering Journal</i> , <b>2020</b> , 398, 125572	14.7	32
13	Rational construction of multiple interfaces in ternary heterostructure for efficient spatial separation and transfer of photogenerated carriers in the application of photocatalytic hydrogen evolution. <i>Journal of Power Sources</i> , <b>2018</b> , 379, 249-260	8.9	29
12	Efficient spatial charge separation and transfer in ultrathin g-C <sub>3</sub> N <sub>4</sub> nanosheets modified with Cu <sub>2</sub> MoS <sub>4</sub> as a noble metal-free co-catalyst for superior visible light-driven photocatalytic water splitting. <i>Catalysis Science and Technology</i> , <b>2018</b> , 8, 3883-3893	5.5	29
11	Mn <sub>2</sub> Co Mixed Oxide Nanosheets Vertically Anchored on H <sub>2</sub> Ti <sub>3</sub> O <sub>7</sub> Nanowires: Full Exposure of Active Components Results in Significantly Enhanced Catalytic Performance. <i>ChemCatChem</i> , <b>2018</b> , 10, 2833-2844	5.2	28
10	Ultrathin Al <sub>2</sub> O <sub>3</sub> -coated reduced graphene oxide membrane for stable lithium metal anode. <i>Rare Metals</i> , <b>2018</b> , 37, 510-519	5.5	25
9	Ni <sub>1-y</sub> Co <sub>1-y</sub> Mn <sub>2</sub> O <sub>x</sub> microspheres for the selective catalytic reduction of NO <sub>x</sub> with NH <sub>3</sub> : The synergetic effects between Ni and Co for improving low-temperature catalytic performance. <i>Applied Catalysis A: General</i> , <b>2018</b> , 560, 1-11	5.1	20
8	Surface-nitrogen-rich ordered mesoporous carbon as an efficient metal-free electrocatalyst for oxygen reduction reaction. <i>Nanotechnology</i> , <b>2016</b> , 27, 445402	3.4	17
7	Porous MnO <sub>x</sub> for low-temperature NH <sub>3</sub> -SCR of NO <sub>x</sub> : the intrinsic relationship between surface physicochemical property and catalytic activity. <i>Journal of Nanoparticle Research</i> , <b>2017</b> , 19, 1	2.3	10
6	Formation mechanism of rectangular-ambulatory-plane TiO <sub>2</sub> plates: an insight into the role of hydrofluoric acid. <i>Chemical Communications</i> , <b>2018</b> , 54, 7191-7194	5.8	10
5	Development and evaluation of hollow mesoporous silica microspheres bearing on enhanced oral delivery of curcumin. <i>Drug Development and Industrial Pharmacy</i> , <b>2019</b> , 45, 273-281	3.6	7
4	Ultrathin dense double-walled carbon nanotube membrane for enhanced lithium-sulfur batteries. <i>Journal of Nanoparticle Research</i> , <b>2020</b> , 22, 1	2.3	4
3	Hierarchical NiO/CMK-3 Photocathode for a $\gamma$ -Type Dye-Sensitized Solar Cell with Improved Photoelectrochemical Performance and Fast Hole Transfer. <i>Molecules</i> , <b>2020</b> , 25,	4.8	4
2	Insight into the sulfur resistance of manganese oxide for NH <sub>3</sub> -SCR: Perspective from the valence state distributions. <i>Applied Surface Science</i> , <b>2022</b> , 153223	6.7	0
1	NO <sub>x</sub> removal by selective catalytic reduction with NH <sub>3</sub> over MOFs-derived MnTi catalyst. <i>Journal of Environmental Chemical Engineering</i> , <b>2022</b> , 108028	6.8	0

