

Zhaoyang Fan

List of Publications by Year in Descending Order

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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	Insight into the sulfur resistance of manganese oxide for NH ₃ -SCR: Perspective from the valence state distributions. <i>Applied Surface Science</i> , 2022 , 153223	6.7	0
34	NO _x removal by selective catalytic reduction with NH ₃ over MOFs-derived MnTi catalyst. <i>Journal of Environmental Chemical Engineering</i> , 2022 , 108028	6.8	0
33	Ultrathin dense double-walled carbon nanotube membrane for enhanced lithium-sulfur batteries. <i>Journal of Nanoparticle Research</i> , 2020 , 22, 1	2.3	4
32	The insight into the role of Al ₂ O ₃ in promoting the SO ₂ tolerance of MnO _x for low-temperature selective catalytic reduction of NO _x with NH ₃ . <i>Chemical Engineering Journal</i> , 2020 , 398, 125572	14.7	32
31	Hierarchical NiO/CMK-3 Photocathode for a γ -Type Dye-Sensitized Solar Cell with Improved Photoelectrochemical Performance and Fast Hole Transfer. <i>Molecules</i> , 2020 , 25,	4.8	4
30	Charge-redistribution-induced new active sites on (0 0 1) facets of γ -Mn ₂ O ₃ for significantly enhanced selective catalytic reduction of NO by NH ₃ . <i>Journal of Catalysis</i> , 2019 , 370, 30-37	7.3	35
29	Development and evaluation of hollow mesoporous silica microspheres bearing on enhanced oral delivery of curcumin. <i>Drug Development and Industrial Pharmacy</i> , 2019 , 45, 273-281	3.6	7
28	Stable 1T-phase MoS ₂ as an effective electron mediator promoting photocatalytic hydrogen production. <i>Nanoscale</i> , 2018 , 10, 9292-9303	7.7	49
27	Direct growth of 3D host on Cu foil for stable lithium metal anode. <i>Energy Storage Materials</i> , 2018 , 13, 323-328	19.4	66
26	WS ₂ /Graphitic Carbon Nitride Heterojunction Nanosheets Decorated with CdS Quantum Dots for Photocatalytic Hydrogen Production. <i>ChemSusChem</i> , 2018 , 11, 1187-1197	8.3	95
25	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> , 2018 , 379, 249-260	8.9	29
24	Ni ₂ Co _{1-y} Mn ₂ O _x microspheres for the selective catalytic reduction of NO _x with NH ₃ : The synergetic effects between Ni and Co for improving low-temperature catalytic performance. <i>Applied Catalysis A: General</i> , 2018 , 560, 1-11	5.1	20
23	Multiple carrier-transfer pathways in a flower-like InS/CdInS/InO ternary heterostructure for enhanced photocatalytic hydrogen production. <i>Nanoscale</i> , 2018 , 10, 7860-7870	7.7	67
22	Mn ₂ Co Mixed Oxide Nanosheets Vertically Anchored on H ₂ Ti ₃ O ₇ Nanowires: Full Exposure of Active Components Results in Significantly Enhanced Catalytic Performance. <i>ChemCatChem</i> , 2018 , 10, 2833-2844	5.2	28
21	Sulfur and Water Resistance of Mn-Based Catalysts for Low-Temperature Selective Catalytic Reduction of NO _x : A Review. <i>Catalysts</i> , 2018 , 8, 11	4	59
20	"Fast SCR" reaction over Sm-modified MnO _x -TiO ₂ for promoting reduction of NO _x with NH ₃ . <i>Applied Catalysis A: General</i> , 2018 , 564, 102-112	5.1	76
19	Formation mechanism of rectangular-ambulatory-plane TiO ₂ plates: an insight into the role of hydrofluoric acid. <i>Chemical Communications</i> , 2018 , 54, 7191-7194	5.8	10

18	Gd-modified MnOx for the selective catalytic reduction of NO by NH3: The promoting effect of Gd on the catalytic performance and sulfur resistance. <i>Chemical Engineering Journal</i> , 2018 , 348, 820-830	14.7	103
17	Ultrathin Al2O3-coated reduced graphene oxide membrane for stable lithium metal anode. <i>Rare Metals</i> , 2018 , 37, 510-519	5.5	25
16	Efficient spatial charge separation and transfer in ultrathin g-C3N4 nanosheets modified with Cu2MoS4 as a noble metal-free co-catalyst for superior visible light-driven photocatalytic water splitting. <i>Catalysis Science and Technology</i> , 2018 , 8, 3883-3893	5.5	29
15	In situ synthesis of C-doped TiO2@g-C3N4 core-shell hollow nanospheres with enhanced visible-light photocatalytic activity for H2 evolution. <i>Chemical Engineering Journal</i> , 2017 , 322, 435-444	14.7	161
14	MnM2O4 microspheres (M = Co, Cu, Ni) for selective catalytic reduction of NO with NH3: Comparative study on catalytic activity and reaction mechanism via in-situ diffuse reflectance infrared Fourier transform spectroscopy. <i>Chemical Engineering Journal</i> , 2017 , 325, 91-100	14.7	66
13	Rationally Designed Porous MnO-FeO Nanoneedles for Low-Temperature Selective Catalytic Reduction of NO by NH. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 16117-16127	9.5	99
12	Fabrication of g-C3N4/Au/C-TiO2 Hollow Structures as Visible-Light-Driven Z-Scheme Photocatalysts with Enhanced Photocatalytic H2 Evolution. <i>ChemCatChem</i> , 2017 , 9, 3752-3761	5.2	92
11	Porous MnOx for low-temperature NH3-SCR of NOx: the intrinsic relationship between surface physicochemical property and catalytic activity. <i>Journal of Nanoparticle Research</i> , 2017 , 19, 1	2.3	10
10	Mn/CeO2 catalysts for SCR of NOx with NH3: comparative study on the effect of supports on low-temperature catalytic activity. <i>Applied Surface Science</i> , 2017 , 411, 338-346	6.7	105
9	Eu-Mn-Ti mixed oxides for the SCR of NOx with NH3: The effects of Eu-modification on catalytic performance and mechanism. <i>Fuel Processing Technology</i> , 2017 , 167, 322-333	7.2	48
8	Highly Efficient Photocatalyst Based on a CdS Quantum Dots/ZnO Nanosheets 0D/2D Heterojunction for Hydrogen Evolution from Water Splitting. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 25377-25386	9.5	173
7	Rational design of CdS@ZnO core-shell structure via atomic layer deposition for drastically enhanced photocatalytic H2 evolution with excellent photostability. <i>Nano Energy</i> , 2017 , 39, 183-191	17.1	156
6	Surface-nitrogen-rich ordered mesoporous carbon as an efficient metal-free electrocatalyst for oxygen reduction reaction. <i>Nanotechnology</i> , 2016 , 27, 445402	3.4	17
5	A NiCo2O4 nanosheet-mesoporous carbon composite electrode for enhanced reversible lithium storage. <i>Carbon</i> , 2016 , 99, 633-641	10.4	69
4	Ultrathin NiO nanosheets anchored on a highly ordered nanostructured carbon as an enhanced anode material for lithium ion batteries. <i>Nano Energy</i> , 2015 , 16, 152-162	17.1	141
3	Fabrication of MoS2 nanosheet@TiO2 nanotube hybrid nanostructures for lithium storage. <i>Nanoscale</i> , 2014 , 6, 5245-50	7.7	145
2	A Nanosheets-on-Channel Architecture Constructed from MoS2 and CMK-3 for High-Capacity and Long-Cycle-Life Lithium Storage. <i>Advanced Energy Materials</i> , 2014 , 4, 1400902	21.8	166
1	Hierarchical NiCo2O4 Nanotubes with Ultrahigh Capacitance and Long Cycle Stability As Electrochemical Pseudocapacitor Materials. <i>Chemistry of Materials</i> , 2014 , 26, 4354-4360	9.6	164

