Zhaoyang Fan

List of Publications by Year
in descending order

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35 papers	3,126 citations	201385 27 h-index	360668 35 g-index
36 all docs	36 docs citations	36 times ranked	4233 citing authors

#	Article	IF	Citations
1	Highly Efficient Photocatalyst Based on a CdS Quantum Dots/ZnO Nanosheets 0D/2D Heterojunction for Hydrogen Evolution from Water Splitting. ACS Applied Materials & Interfaces, 2017, 9, 25377-25386.	4.0	235
2	In situ synthesis of C-doped TiO2@g-C3N4 core-shell hollow nanospheres with enhanced visible-light photocatalytic activity for H2 evolution. Chemical Engineering Journal, 2017, 322, 435-444.	6.6	202
3	Rational design of CdS@ZnO core-shell structure via atomic layer deposition for drastically enhanced photocatalytic H2 evolution with excellent photostability. Nano Energy, 2017, 39, 183-191.	8.2	195
4	Hierarchical NiCo₂O₄ Nanosheets@halloysite Nanotubes with Ultrahigh Capacitance and Long Cycle Stability As Electrochemical Pseudocapacitor Materials. Chemistry of Materials, 2014, 26, 4354-4360.	3.2	187
5	A Nanosheetsâ€onâ€Channel Architecture Constructed from MoS₂ and CMKâ€3 for Highâ€Capacity and Longâ€Cycleâ€Life Lithium Storage. Advanced Energy Materials, 2014, 4, 1400902.	10.2	180
6	Gd-modified MnOx for the selective catalytic reduction of NO by NH3: The promoting effect of Gd on the catalytic performance and sulfur resistance. Chemical Engineering Journal, 2018, 348, 820-830.	6.6	170
7	Rationally Designed Porous MnO_xâ€“FeO_x Nanoneedles for Low-Temperature Selective Catalytic Reduction of NO_x by NH₃. ACS Applied Materials & Interfaces, 2017, 9, 16117-16127.	4.0	164
8	Fabrication of MoS₂ nanosheet@TiO₂ nanotube hybrid nanostructures for lithium storage. Nanoscale, 2014, 6, 5245-5250.	2.8	158
9	Ultrathin NiO nanosheets anchored on a highly ordered nanostructured carbon as an enhanced anode material for lithium ion batteries. Nano Energy, 2015, 16, 152-162.	8.2	152
10	Mn/CeO 2 catalysts for SCR of NO x with NH 3 : comparative study on the effect of supports on low-temperature catalytic activity. Applied Surface Science, 2017, 411, 338-346.	3.1	142
11	"Fast SCR" reaction over Sm-modified MnOx-TiO2 for promoting reduction of NOx with NH3. Applied Catalysis A: General, 2018, 564, 102-112.	2.2	130
12	WS₂/Graphitic Carbon Nitride Heterojunction Nanosheets Decorated with CdS Quantum Dots for Photocatalytic Hydrogen Production. ChemSusChem, 2018, 11, 1187-1197.	3.6	129
13	Fabrication of gâ€C₃N₄/Au/Câ€TiO₂ Hollow Structures as Visibleâ€Lightâ€Driven Zâ€Scheme Photocatalysts with Enhanced Photocatalytic H₂ Evolution. ChemCatChem, 2017, 9, 3752-3761.	1.8	114
14	Multiple carrier-transfer pathways in a flower-like In₂S₃/CdIn₂S₄/In₂O₃ ternary heterostructure for enhanced photocatalytic hydrogen production. Nanoscale, 2018, 10, 7860-7870.	2.8	98
15	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. Chemical Engineering Journal, 2017, 325, 91-100.	6.6	95
16	Sulfur and Water Resistance of Mn-Based Catalysts for Low-Temperature Selective Catalytic Reduction of NOx: A Review. Catalysts, 2018, 8, 11.	1.6	94
17	Direct growth of 3D host on Cu foil for stable lithium metal anode. Energy Storage Materials, 2018, 13, 323-328.	9.5	92
18	A NiCo2O4 nanosheet-mesoporous carbon composite electrode for enhanced reversible lithium storage. Carbon, 2016, 99, 633-641.	5.4	77

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19	The insight into the role of Al2O3 in promoting the SO2 tolerance of MnOx for low-temperature selective catalytic reduction of NOx with NH3. Chemical Engineering Journal, 2020, 398, 125572.	6.6	65
20	Eu-Mn-Ti mixed oxides for the SCR of NOx with NH3: The effects of Eu-modification on catalytic performance and mechanism. Fuel Processing Technology, 2017, 167, 322-333.	3.7	64
21	Stable 1T-phase MoS₂ as an effective electron mediator promoting photocatalytic hydrogen production. Nanoscale, 2018, 10, 9292-9303.	2.8	60
22	Charge-redistribution-induced new active sites on (0â€¯0â€¯1) facets of Î±-Mn2O3 for significantly enhanced selective catalytic reduction of NO by NH3. Journal of Catalysis, 2019, 370, 30-37.	3.1	54
23	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. Catalysis Science and Technology, 2018, 8, 3883-3893.	2.1	42
24	Mnâ^'Co Mixed Oxide Nanosheets Vertically Anchored on H₂Ti₃O₇ Nanowires: Full Exposure of Active Components Results in Significantly Enhanced Catalytic Performance. ChemCatChem, 2018, 10, 2833-2844.	1.8	39
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. Journal of Power Sources, 2018, 379, 249-260.	4.0	37
26	Ultrathin Al2O3-coated reduced graphene oxide membrane for stable lithium metal anode. Rare Metals, 2018, 37, 510-519.	3.6	32
27	NiyCo1-yMn2Ox microspheres for the selective catalytic reduction of NOx with NH3: The synergetic effects between Ni and Co for improving low-temperature catalytic performance. Applied Catalysis A: General, 2018, 560, 1-11.	2.2	29
28	Surface-nitrogen-rich ordered mesoporous carbon as an efficient metal-free electrocatalyst for oxygen reduction reaction. Nanotechnology, 2016, 27, 445402.	1.3	20
29	Porous MnOx for low-temperature NH3-SCR of NOx: the intrinsic relationship between surface physicochemical property and catalytic activity. Journal of Nanoparticle Research, 2017, 19, 1.	0.8	15
30	Formation mechanism of rectangular-ambulatory-plane TiO₂ plates: an insight into the role of hydrofluoric acid. Chemical Communications, 2018, 54, 7191-7194.	2.2	15
31	Insight into the sulfur resistance of manganese oxide for NH3-SCR: Perspective from the valence state distributions. Applied Surface Science, 2022, 592, 153223.	3.1	13
32	Development and evaluation of hollow mesoporous silica microspheres bearing on enhanced oral delivery of curcumin. Drug Development and Industrial Pharmacy, 2019, 45, 273-281.	0.9	11
33	Hierarchical NiO/CMK-3 Photocathode for a p-Type Dye-Sensitized Solar Cell with Improved Photoelectrochemical Performance and Fast Hole Transfer. Molecules, 2020, 25, 1638.	1.7	6
34	Ultrathin dense double-walled carbon nanotube membrane for enhanced lithium-sulfur batteries. Journal of Nanoparticle Research, 2020, 22, 1.	0.8	5
35	NOx removal by selective catalytic reduction with NH3 over MOFs-derived MnTi catalyst. Journal of Environmental Chemical Engineering, 2022, 10, 108028.	3.3	5