Jinguo Wang

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/3171111/publications.pdf

Version: 2024-02-01

41 papers	2,206 citations	218592 26 h-index	289141 40 g-index
41 all docs	41 docs citations	41 times ranked	2466 citing authors

#	Article	IF	Citations
1	Simultaneously generating Bi quantum dot and oxygen vacancy on Bi2MoO6 nanosheets for boosting photocatalytic selective alcohol oxidation. Applied Surface Science, 2022, 575, 151738.	3.1	30
2	Highly improved acetone oxidation performance over mesostructured Cu_xCe_{1â^'x}O₂ hollow nanospheres. New Journal of Chemistry, 2022, 46, 9602-9611.	1.4	3
3	Hierarchical WO₃ microflowers with tailored oxygen vacancies for boosting photocatalytic dye degradation. New Journal of Chemistry, 2021, 45, 21074-21081.	1.4	6
4	Hierarchical hollow WO3 microspheres with tailored surface oxygen vacancies for boosting photocatalytic selective conversion of biomass-derived alcohols. Applied Surface Science, 2021, 547, 149239.	3.1	24
5	Synergistic Catalysis of PdFe Bimetallic Nanoparticles Supported on SiO₂ for Hydrogenative Cleavage of Câ€“N Bonds. ACS Applied Nano Materials, 2021, 4, 6020-6029.	2.4	6
6	Mesoporous (001)-TiO₂ nanocrystals with tailored Ti³⁺ and surface oxygen vacancies for boosting photocatalytic selective conversion of aromatic alcohols. Catalysis Science and Technology, 2021, 11, 2939-2947.	2.1	21
7	Highly improved soot combustion performance over synergetic MnxCe1â^'xO2 solid solutions within mesoporous nanosheets. Journal of Colloid and Interface Science, 2020, 577, 355-367.	5.0	40
8	The influence of zinc loadings on the selectivity control of bio-ethanol transformation over MgO-SiO2 catalysts. Applied Catalysis A: General, 2020, 598, 117565.	2.2	8
9	Direct growth of Au nanoparticles on g-C3N4 for photocatalytic selective alcohol oxidations. Inorganic Chemistry Communication, 2019, 109, 107574.	1.8	18
10	Bi2WO6-x nanosheets with tunable Bi quantum dots and oxygen vacancies for photocatalytic selective oxidation of alcohols. Applied Catalysis B: Environmental, 2019, 256, 117874.	10.8	130
11	Boosting CO2 methanation activity on Ru/TiO2 catalysts by exposing (001) facets of anatase TiO2. Journal of CO2 Utilization, 2019, 33, 242-252.	3.3	64
12	Enhanced soot oxidation activity over CuO/CeO₂ mesoporous nanosheets. Catalysis Science and Technology, 2019, 9, 1699-1709.	2.1	39
13	Morphological control of inverted MgO-SiO2 composite catalysts for efficient conversion of ethanol to 1,3-butadiene. Applied Catalysis A: General, 2019, 577, 1-9.	2.2	29
14	Boosting acetone oxidation efficiency over MnO₂ nanorods by tailoring crystal phases. New Journal of Chemistry, 2019, 43, 19126-19136.	1.4	35
15	Highly improved acetone oxidation activity over mesoporous hollow nanospherical Mn_xCo_{3â^'x}O₄ solid solutions. Catalysis Science and Technology, 2019, 9, 6379-6390.	2.1	45
16	Boosting total oxidation of acetone over spinel MCo2O4 (Mâ€¯=â€¯Co, Ni, Cu) hollow mesoporous spheres by cation-substituting effect. Journal of Colloid and Interface Science, 2019, 539, 65-75.	5.0	85
17	Highly enhanced soot oxidation activity over 3DOM Co3O4-CeO2 catalysts by synergistic promoting effect. Journal of Hazardous Materials, 2019, 363, 214-226.	6.5	119
18	Promoting diesel soot combustion efficiency by tailoring the shapes and crystal facets of nanoscale Mn3O4. Applied Catalysis B: Environmental, 2019, 242, 227-237.	10.8	119

#	Article	IF	Citations
19	Influence of different precursors on isobutene production from bio-ethanol over bifunctional Zn1Zr10Ox catalysts. Applied Catalysis A: General, 2018, 558, 150-160.	2.2	16
20	Boosting soot combustion efficiency of Co3O4 nanocrystals via tailoring crystal facets. Chemical Engineering Journal, 2018, 337, 488-498.	6.6	130
21	Bi 2 O 3 quantum dots decorated TiO 2 nanobelt heterojunctions with enhanced visibleâ€light photoactivity. Micro and Nano Letters, 2018, 13, 1734-1738.	0.6	3
22	Interaction of Ethanol with MgO-SiO₂ Catalysts Studied by TPD Techniques. Chemistry Letters, 2018, 47, 1097-1100.	0.7	7
23	Tailoring the Selectivity of Bioâ€Ethanol Transformation by Tuning the Size of Gold Supported on ZnZr₁₀O_x Catalysts. ChemCatChem, 2018, 10, 3969-3973.	1.8	8
24	Boosting photocatalytic activity of WO3 nanorods with tailored surface oxygen vacancies for selective alcohol oxidations. Applied Surface Science, 2018, 462, 760-771.	3.1	77
25	The Synergistic Effect to Promote the Direct Conversion of Bioethanol into Isobutene over Ternary Multifunctional Cr_xZn_yZr_zO_n Catalysts. ChemCatChem, 2017, 9, 1758-1764.	1.8	14
26	Remarkable support effect on the reactivity of Pt/In2O3/MOx catalysts for methanol steam reforming. Journal of Power Sources, 2017, 364, 341-350.	4.0	67
27	Hierarchical yolk-shell WO3 microspheres with highly enhanced photoactivity for selective alcohol oxidations. Applied Catalysis B: Environmental, 2017, 218, 825-832.	10.8	49
28	Highly active and selective binary MgOâ€“SiO₂ catalysts for the production of 1,3-butadiene from ethanol. Catalysis Science and Technology, 2017, 7, 168-180.	2.1	76
29	Comparative study on hydrogenation of propanal on Ni(111) and Cu(111) from density functional theory. Applied Surface Science, 2017, 394, 333-339.	3.1	22
30	Crystal facet-dependent reactivity of Î±-Mn2O3 microcrystalline catalyst for soot combustion. Applied Catalysis B: Environmental, 2017, 204, 374-384.	10.8	141
31	Boosting photocatalytic activity of Pd decorated TiO2 nanocrystal with exposed (001) facets for selective alcohol oxidations. Applied Catalysis B: Environmental, 2016, 195, 141-148.	10.8	72
32	Boosting soot combustion efficiencies over CuOâ€“CeO₂ catalysts with a 3DOM structure. Catalysis Science and Technology, 2016, 6, 7342-7350.	2.1	65
33	TiO 2 mesocrystal with exposed (001) facets and CdS quantum dots as an active visible photocatalyst for selective oxidation reactions. Applied Catalysis B: Environmental, 2016, 187, 115-121.	10.8	105
34	Three-dimensionally ordered macroporous spinel-type MCr₂O₄ (M = Co, Ni,) Tj ETQq0 0 0 rgBT /Overlock 10 T and Technology, 2015, 5, 4594-4601.	2.1	56
35	Ultrafine single-crystal TiOF2nanocubes with mesoporous structure, high activity and durability in visible light driven photocatalysis. Nanoscale, 2014, 6, 897-902.	2.8	51
36	Ordered mesoporous TiO₂with exposed (001) facets and enhanced activity in photocatalytic selective oxidation of alcohols. Journal of Materials Chemistry A, 2013, 1, 1296-1302.	5.2	90

#	Article	IF	Citations
37	Synchronical pollutant degradation and H2 production on a Ti3+-doped TiO2 visible photocatalyst with dominant (001) facets. Applied Catalysis B: Environmental, 2013, 134-135, 198-204.	10.8	135
38	Mesoporous yolkâ€“shell SnS2â€“TiO2 visible photocatalysts with enhanced activity and durability in Cr(vi) reduction. Nanoscale, 2013, 5, 1876.	2.8	105
39	Multitemplates for the Hierarchical Synthesis of Diverse Inorganic Materials. Journal of the American Chemical Society, 2012, 134, 2325-2331.	6.6	68
40	Synthesis and Photocatalytic Activity of F/TiO2 Nanocrystals with Exposed (001) Facets via a Nonhydrolytic Solvothermal Route. Chinese Journal of Catalysis, 2011, 32, 862-871.	6.9	15
41	Mesoporous (101)-TiO2 nanocrystal with tailored Ti3+ and surface oxygen vacancy for boosting photocatalytic hydrogenation of nitrobenzenes. Catalysis Science and Technology, 0, , .	2.1	13