

Jinguo Wang

List of Publications by Year in descending order

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41
papers

2,206
citations

218592

26
h-index

289141

40
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all docs

41
docs citations

41
times ranked

2466
citing authors

#	ARTICLE	IF	CITATIONS
1	Crystal facet-dependent reactivity of γ -Mn ₂ O ₃ microcrystalline catalyst for soot combustion. Applied Catalysis B: Environmental, 2017, 204, 374-384.	10.8	141
2	Synchronical pollutant degradation and H ₂ production on a Ti ³⁺ -doped TiO ₂ visible photocatalyst with dominant (001) facets. Applied Catalysis B: Environmental, 2013, 134-135, 198-204.	10.8	135
3	Boosting soot combustion efficiency of Co ₃ O ₄ nanocrystals via tailoring crystal facets. Chemical Engineering Journal, 2018, 337, 488-498.	6.6	130
4	Bi ₂ WO _{6-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
5	Highly enhanced soot oxidation activity over 3DOM Co ₃ O ₄ -CeO ₂ catalysts by synergistic promoting effect. Journal of Hazardous Materials, 2019, 363, 214-226.	6.5	119
6	Promoting diesel soot combustion efficiency by tailoring the shapes and crystal facets of nanoscale Mn ₃ O ₄ . Applied Catalysis B: Environmental, 2019, 242, 227-237.	10.8	119
7	Mesoporous yolk-shell SnS ₂ @TiO ₂ visible photocatalysts with enhanced activity and durability in Cr(VI) reduction. Nanoscale, 2013, 5, 1876.	2.8	105
8	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
9	Ordered mesoporous TiO ₂ with exposed (001) facets and enhanced activity in photocatalytic selective oxidation of alcohols. Journal of Materials Chemistry A, 2013, 1, 1296-1302.	5.2	90
10	Boosting total oxidation of acetone over spinel MCo ₂ O ₄ (M = Co, Ni, Cu) hollow mesoporous spheres by cation-substituting effect. Journal of Colloid and Interface Science, 2019, 539, 65-75.	5.0	85
11	Boosting photocatalytic activity of WO ₃ nanorods with tailored surface oxygen vacancies for selective alcohol oxidations. Applied Surface Science, 2018, 462, 760-771.	3.1	77
12	Highly active and selective binary MgO@SiO ₂ catalysts for the production of 1,3-butadiene from ethanol. Catalysis Science and Technology, 2017, 7, 168-180.	2.1	76
13	Boosting photocatalytic activity of Pd decorated TiO ₂ nanocrystal with exposed (001) facets for selective alcohol oxidations. Applied Catalysis B: Environmental, 2016, 195, 141-148.	10.8	72
14	Multitemplates for the Hierarchical Synthesis of Diverse Inorganic Materials. Journal of the American Chemical Society, 2012, 134, 2325-2331.	6.6	68
15	Remarkable support effect on the reactivity of Pt/In ₂ O ₃ /MO _x catalysts for methanol steam reforming. Journal of Power Sources, 2017, 364, 341-350.	4.0	67
16	Boosting soot combustion efficiencies over Cu@CeO ₂ catalysts with a 3DOM structure. Catalysis Science and Technology, 2016, 6, 7342-7350.	2.1	65
17	Boosting CO ₂ methanation activity on Ru/TiO ₂ catalysts by exposing (001) facets of anatase TiO ₂ . Journal of CO ₂ Utilization, 2019, 33, 242-252.	3.3	64
18	Three-dimensionally ordered macroporous spinel-type MCr ₂ O ₄ (M = Co, Ni). Journal of Catalysis and Technology, 2015, 5, 4594-4601.	2.1	56

#	ARTICLE	IF	CITATIONS
19	Ultrafine single-crystal TiO ₂ nanocubes with mesoporous structure, high activity and durability in visible light driven photocatalysis. <i>Nanoscale</i> , 2014, 6, 897-902.	2.8	51
20	Hierarchical yolk-shell WO ₃ microspheres with highly enhanced photoactivity for selective alcohol oxidations. <i>Applied Catalysis B: Environmental</i> , 2017, 218, 825-832.	10.8	49
21	Highly improved acetone oxidation activity over mesoporous hollow nanospherical Mn _x Co _{3-x} O ₄ solid solutions. <i>Catalysis Science and Technology</i> , 2019, 9, 6379-6390.	2.1	45
22	Highly improved soot combustion performance over synergetic Mn _x Ce _{1-x} O ₂ solid solutions within mesoporous nanosheets. <i>Journal of Colloid and Interface Science</i> , 2020, 577, 355-367.	5.0	40
23	Enhanced soot oxidation activity over CuO/CeO ₂ mesoporous nanosheets. <i>Catalysis Science and Technology</i> , 2019, 9, 1699-1709.	2.1	39
24	Boosting acetone oxidation efficiency over MnO ₂ nanorods by tailoring crystal phases. <i>New Journal of Chemistry</i> , 2019, 43, 19126-19136.	1.4	35
25	Simultaneously generating Bi quantum dot and oxygen vacancy on Bi ₂ MoO ₆ nanosheets for boosting photocatalytic selective alcohol oxidation. <i>Applied Surface Science</i> , 2022, 575, 151738.	3.1	30
26	Morphological control of inverted MgO-SiO ₂ composite catalysts for efficient conversion of ethanol to 1,3-butadiene. <i>Applied Catalysis A: General</i> , 2019, 577, 1-9.	2.2	29
27	Hierarchical hollow WO ₃ microspheres with tailored surface oxygen vacancies for boosting photocatalytic selective conversion of biomass-derived alcohols. <i>Applied Surface Science</i> , 2021, 547, 149239.	3.1	24
28	Comparative study on hydrogenation of propanal on Ni(111) and Cu(111) from density functional theory. <i>Applied Surface Science</i> , 2017, 394, 333-339.	3.1	22
29	Mesoporous (001)-TiO ₂ nanocrystals with tailored Ti ³⁺ and surface oxygen vacancies for boosting photocatalytic selective conversion of aromatic alcohols. <i>Catalysis Science and Technology</i> , 2021, 11, 2939-2947.	2.1	21
30	Direct growth of Au nanoparticles on g-C ₃ N ₄ for photocatalytic selective alcohol oxidations. <i>Inorganic Chemistry Communication</i> , 2019, 109, 107574.	1.8	18
31	Influence of different precursors on isobutene production from bio-ethanol over bifunctional Zn ₁ Zr ₁₀ O _x catalysts. <i>Applied Catalysis A: General</i> , 2018, 558, 150-160.	2.2	16
32	Synthesis and Photocatalytic Activity of F/TiO ₂ Nanocrystals with Exposed (001) Facets via a Nonhydrolytic Solvothermal Route. <i>Chinese Journal of Catalysis</i> , 2011, 32, 862-871.	6.9	15
33	The Synergistic Effect to Promote the Direct Conversion of Bioethanol into Isobutene over Ternary Multifunctional Cr _x Zn _y Zr _z O _n Catalysts. <i>ChemCatChem</i> , 2017, 9, 1758-1764.	1.8	14
34	Mesoporous (101)-TiO ₂ nanocrystal with tailored Ti ³⁺ and surface oxygen vacancy for boosting photocatalytic hydrogenation of nitrobenzenes. <i>Catalysis Science and Technology</i> , 0, , .	2.1	13
35	Tailoring the Selectivity of Bio-ethanol Transformation by Tuning the Size of Gold Supported on ZnZr ₁₀ O _x Catalysts. <i>ChemCatChem</i> , 2018, 10, 3969-3973.	1.8	8
36	The influence of zinc loadings on the selectivity control of bio-ethanol transformation over MgO-SiO ₂ catalysts. <i>Applied Catalysis A: General</i> , 2020, 598, 117565.	2.2	8

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37	Interaction of Ethanol with MgO-SiO ₂ Catalysts Studied by TPD Techniques. Chemistry Letters, 2018, 47, 1097-1100.	0.7	7
38	Hierarchical WO ₃ microflowers with tailored oxygen vacancies for boosting photocatalytic dye degradation. New Journal of Chemistry, 2021, 45, 21074-21081.	1.4	6
39	Synergistic Catalysis of PdFe Bimetallic Nanoparticles Supported on SiO ₂ for Hydrogenative Cleavage of C-N Bonds. ACS Applied Nano Materials, 2021, 4, 6020-6029.	2.4	6
40	Bi ₂ O ₃ quantum dots decorated TiO ₂ nanobelt heterojunctions with enhanced visible-light photoactivity. Micro and Nano Letters, 2018, 13, 1734-1738.	0.6	3
41	Highly improved acetone oxidation performance over mesostructured Cu _{1-x} Ce _x O ₂ hollow nanospheres. New Journal of Chemistry, 2022, 46, 9602-9611.	1.4	3