

Hongxia Wang

List of Publications by Year in descending order

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28
papers

749
citations

687363

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526287

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28
docs citations

28
times ranked

1161
citing authors

#	ARTICLE	IF	CITATIONS
1	Creating Mesopores in ZSM-5 Zeolite by Alkali Treatment: A New Way to Enhance the Catalytic Performance of Methane Dehydroaromatization on Mo/HZSM-5 Catalysts. <i>Catalysis Letters</i> , 2003, 91, 155-167.	2.6	204
2	Rapid Decolorization of Phenolic Azo Dyes by Immobilized Laccase with Fe ₃ O ₄ /SiO ₂ Nanoparticles as Support. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 4401-4407.	3.7	75
3	Precursor template synthesis of three-dimensional mesoporous ZnO hierarchical structures and their photocatalytic properties. <i>CrystEngComm</i> , 2010, 12, 2166.	2.6	67
4	Experimental Study on Photocatalytic Activity of Cu ₂ O/Cu Nanocomposites Under Visible Light. <i>Catalysis Letters</i> , 2009, 132, 75-80.	2.6	61
5	Immobilization of laccase from <i>Pleurotus ostreatus</i> on magnetic separable SiO ₂ support and excellent activity towards azo dye decolorization. <i>Journal of Environmental Chemical Engineering</i> , 2016, 4, 2585-2591.	6.7	37
6	Post-steam-treatment of Mo/HZSM-5 Catalysts: An Alternative and Effective Approach for Enhancing Their Catalytic Performances of Methane Dehydroaromatization. <i>Journal of Physical Chemistry B</i> , 2003, 107, 12964-12972.	2.6	33
7	Design and synthesis of surface-controlled CuOx/rGO nanocomposites with unusually high efficiency in catalytic conversion of organic reactants in the presence of NaBH ₄ . <i>Applied Surface Science</i> , 2018, 459, 716-722.	6.1	28
8	MoS ₂ induced hollow Cu ₂ O spheres: Synthesis and efficient catalytic performance in the reduction of 4-nitrophenol by NaBH ₄ . <i>Applied Surface Science</i> , 2021, 539, 148285.	6.1	26
9	Direct synthesis of hollow single-crystalline zeolite beta using a small organic lactam as a recyclable hollow-directing agent. <i>Journal of Materials Chemistry A</i> , 2019, 7, 10795-10804.	10.3	25
10	Fabrication of reduced graphene oxide decorated with gold and nickel for the catalytic reduction of 4-nitrophenol. <i>Journal of Materials Science</i> , 2018, 53, 4874-4883.	3.7	24
11	Highly selective oxidation of styrene to benzaldehyde over Fe ₃ O ₄ using H ₂ O ₂ aqueous solution as oxidant. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2018, 125, 743-756.	1.7	18
12	Heterostructures of doped graphene and MoX ₂ (X = S and Se) as promising anchoring materials for lithium-sulfur batteries: a first-principles study. <i>New Journal of Chemistry</i> , 2019, 43, 9396-9402.	2.8	17
13	Combined Single-Pass Conversion of Methane Via Oxidative Coupling and Dehydroaromatization. <i>Catalysis Letters</i> , 2003, 89, 275-279.	2.6	15
14	Methane dehydro-aromatization over Mo/HZSM-5 catalysts in the absence of oxygen: Effect of steam-treatment on catalyst stability. <i>Journal of Natural Gas Chemistry</i> , 2011, 20, 547-552.	1.8	12
15	Effect of acidic and red-ox sites over modified ZSM-5 surface on selectivity in oxidation of toluene. <i>Molecular Catalysis</i> , 2017, 442, 20-26.	2.0	12
16	Single transition metal atoms anchored on a C ₂ N monolayer as efficient catalysts for hydrazine electrooxidation. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 16691-16700.	2.8	12
17	Highly selective oxidation of methanol to dimethoxymethane over SO ₄ ²⁻ /V ₂ O ₅ /ZrO ₂ . <i>New Journal of Chemistry</i> , 2017, 41, 8370-8376.	2.8	11
18	N-methyl-2-pyrrolidone-induced conversion of USY into hollow Beta zeolite and its application in the alkylation of benzene with isobutylene. <i>Microporous and Mesoporous Materials</i> , 2020, 294, 109944.	4.4	11

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19	Tuneable oxidation of styrene to benzaldehyde and benzoic acid over Co/ZSM-5. <i>New Journal of Chemistry</i> , 2021, 45, 18192-18201.	2.8	11
20	Fabrication and catalytic tests of MCM-22/silicon carbide structured catalysts. <i>Dalton Transactions</i> , 2010, 39, 9705.	3.3	10
21	Doping MoS ₂ monolayer with nonmetal atoms to tune its electronic and magnetic properties, and chemical activity: a computational study. <i>New Journal of Chemistry</i> , 2019, 43, 5766-5772.	2.8	9
22	A Facile and Effective Method for the Distribution of Mo/HZSM-5 Catalyst Active Centers. <i>Catalysis Letters</i> , 2003, 89, 75-79.	2.6	7
23	Ionic Liquid Dispersed Ti/SBA-15 for Double-Bond Cleavage Oxidation of β -Methylstyrene into Acetophenone. <i>Catalysis Letters</i> , 2019, 149, 3491-3500.	2.6	6
24	SO ₄ ²⁻ /Fe ³⁺ /V/ZrO ₂ Composite for Selective Oxidation of Styrene to Benzaldehyde in H ₂ O ₂ Aqueous Solution. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 4411-4418.	3.7	6
25	Synthesis of cuprous oxide nanoparticles on graphitic carbon nitride and reduced graphene oxide and their catalytic performance toward the reduction of 4-nitrophenol. <i>Journal of Materials Science</i> , 2022, 57, 2424-2435.	3.7	5
26	Exfoliation of graphitic carbon nitride and homogeneous loading of Cu ₂ O catalyst. <i>Solid State Sciences</i> , 2022, 129, 106915.	3.2	4
27	VO _x -MoO _y single molecular layer modified graphitic carbon nitride polymer for enhanced selective styrene oxidation. <i>Journal of Industrial and Engineering Chemistry</i> , 2021, , .	5.8	3
28	β -Butyrolactone-Assisted Route for the Fast Synthesis of β -Zeolite and Its Application in the Alkylation of Benzene with Isobutylene. <i>Industrial & Engineering Chemistry Research</i> , 2022, 61, 403-412.	3.7	0