

Chae-Ho Shin

List of Publications by Year in descending order

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64
papers

1,654
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279798

23
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315739

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65
docs citations

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times ranked

2219
citing authors

#	ARTICLE	IF	CITATIONS
1	Designing a Highly Active Metal-Free Oxygen Reduction Catalyst in Membrane Electrode Assemblies for Alkaline Fuel Cells: Effects of Pore Size and Doping Site Position. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 9230-9234.	13.8	118
2	Influence of framework silicon to aluminium ratio on aluminium coordination and distribution in zeolite Beta investigated by 27Al MAS and 27Al MQ MAS NMR. <i>Physical Chemistry Chemical Physics</i> , 2004, 6, 3031.	2.8	96
3	Photocatalysis of methylene blue on titanium dioxide nanoparticles synthesized by modified sol-hydrothermal process of TiCl4. <i>Catalysis Letters</i> , 2007, 117, 112-118.	2.6	87
4	Hydrothermal stability of Pd/ZrO2 catalysts for high temperature methane combustion. <i>Applied Catalysis B: Environmental</i> , 2014, 160-161, 135-143.	20.2	87
5	Catalytic methane combustion over Pd/ZrO2 catalysts: Effects of crystalline structure and textural properties. <i>Applied Catalysis B: Environmental</i> , 2018, 232, 544-552.	20.2	86
6	Roles of Structural Promoters for Direct CO ₂ Hydrogenation to Dimethyl Ether over Ordered Mesoporous Bifunctional Cu/M ⁿ Al ₂ O ₃ (M = Ga or Zn). <i>ACS Catalysis</i> , 2019, 9, 679-690.	11.2	64
7	Reductive amination of 2-propanol to monoisopropylamine over Co ³⁺ -Al ₂ O ₃ catalysts. <i>Applied Catalysis A: General</i> , 2012, 417-418, 313-319.	4.3	63
8	Catalytic evaluation of small-pore molecular sieves with different framework topologies for the synthesis of methylamines. <i>Applied Catalysis A: General</i> , 2006, 305, 70-78.	4.3	56
9	Differences in bifunctionality of ZnO and ZrO ₂ in Cu/ZnO/ZrO ₂ /Al ₂ O ₃ catalysts in hydrogenation of carbon oxides for methanol synthesis. <i>Applied Catalysis B: Environmental</i> , 2019, 258, 117971.	20.2	45
10	Magnetically-separable and highly-stable enzyme system based on crosslinked enzyme aggregates shipped in magnetite-coated mesoporous silica. <i>Journal of Materials Chemistry</i> , 2009, 19, 7864.	6.7	44
11	Effect of acidity on Ni catalysts supported on P-modified Al ₂ O ₃ for dry reforming of methane. <i>Catalysis Today</i> , 2018, 303, 100-105.	4.4	44
12	Dispersion Improvement of Platinum Catalysts Supported on Silica, Silica-Alumina and Alumina by Titania Incorporation and pH Adjustment. <i>Catalysis Letters</i> , 2009, 133, 288-297.	2.6	43
13	Methane Combustion over Pd Catalysts Loaded on Medium and Large Pore Zeolites. <i>Topics in Catalysis</i> , 2009, 52, 27-34.	2.8	41
14	Zeolite Synthesis Using Flexible Diquaternary Alkylammonium Ions (C _n H _{2n+1}) ₂ NH+(CH ₂) ₅ N+H(C _n H _{2n+1}) ₂ with n = 1~5 as Structure-Directing Agents. <i>Chemistry of Materials</i> , 2005, 17, 477-486.	6.7	38
15	TNU-7: A Large-Pore Gallosilicate Zeolite Constructed of Strictly Alternating MOR and MAZ Layers. <i>Chemistry of Materials</i> , 2005, 17, 1272-1274.	6.7	38
16	Title is missing!. <i>Catalysis Letters</i> , 2000, 68, 229-234.	2.6	36
17	Low-temperature combustion of methane using PdO/Al ₂ O ₃ catalyst: Influence of crystalline phase of Al ₂ O ₃ support. <i>Catalysis Communications</i> , 2014, 56, 157-163.	3.3	34
18	Host-Guest Interactions in P1, SUZ-4, and ZSM-57 Zeolites Containing N,N,N,N,N,N-Hexaethylpentanediammonium Ion as a Guest Molecule. <i>Journal of Physical Chemistry B</i> , 2001, 105, 9994-10000.	2.6	32

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19	Reductive Amination of 2-Propanol to Monoisopropylamine Over Ni ³⁺ -Al ₂ O ₃ Catalysts. <i>Catalysis Letters</i> , 2013, 143, 1319-1327.	2.6	32
20	Synthesis of zeolites P1 and SUZ-4 through a synergy of organic N,N,N,N-tetraethylhexaethylpentanediammonium and inorganic cations. <i>Chemical Communications</i> , 2000, , 1609-1610.	4.1	31
21	Cu-Zn-Cr ₂ O ₃ Catalysts for Dimethyl Ether Synthesis: Structure and Activity Relationship. <i>Catalysis Letters</i> , 2008, 123, 142-149.	2.6	27
22	Effect of an Alumina Phase on the Reductive Amination of 2-Propanol to Monoisopropylamine Over Ni/Al ₂ O ₃ . <i>Catalysis Letters</i> , 2016, 146, 811-819.	2.6	27
23	Unprecedented activity and stability on zirconium phosphates grafted mesoporous silicas for renewable aromatics production from furans. <i>Journal of Catalysis</i> , 2020, 385, 10-20.	6.2	25
24	Preparation of Highly Dispersive and Stable Platinum Catalysts Supported on Siliceous SBA-15 Mesoporous Material: Roles of Titania Layer Incorporation and Hydrogen Peroxide Treatment. <i>Catalysis Letters</i> , 2009, 129, 194-206.	2.6	24
25	Total oxidation of propane over Cu-Mn mixed oxide catalysts prepared by co-precipitation method. <i>Korean Journal of Chemical Engineering</i> , 2011, 28, 1139-1143.	2.7	24
26	Effect of aging temperature during refluxing on the textural and surface acidic properties of zirconia catalysts. <i>Journal of Industrial and Engineering Chemistry</i> , 2017, 54, 137-145.	5.8	22
27	Enhancing Effects of Ultrasound Treatment on the Preparation of TiO ₂ Photocatalysts. <i>Catalysis Letters</i> , 2007, 118, 224-230.	2.6	21
28	Oxidative Dehydrogenation of n-Butenes to 1,3-Butadiene over Bismuth Molybdate and Ferrite Catalysts: A Review. <i>Catalysis Surveys From Asia</i> , 2016, 20, 23-33.	2.6	21
29	Effect of oxychlorination treatment on the regeneration of Pt-Sn/Al ₂ O ₃ catalyst for propane dehydrogenation. <i>Research on Chemical Intermediates</i> , 2016, 42, 351-365.	2.7	20
30	Reductive amination of ethanol to ethylamines over Ni/Al ₂ O ₃ catalysts. <i>Korean Journal of Chemical Engineering</i> , 2017, 34, 2610-2618.	2.7	20
31	The influence of calcination temperature on catalytic activities in a Co based catalyst for CO ₂ dry reforming. <i>Korean Journal of Chemical Engineering</i> , 2014, 31, 224-229.	2.7	19
32	Hydrogenation of the LOHC Compound Monobenzyl Toluene over ZrO ₂ -supported Ru Nanoparticles: A Consequence of Zirconium Hydroxide's Surface Hydroxyl Group and Surface Area. <i>ChemCatChem</i> , 2018, 10, 3406-3410.	3.7	19
33	Effect of the ordered meso-macroporous structure of Co/SiO ₂ on the enhanced activity of hydrogenation of CO to hydrocarbons. <i>Catalysis Science and Technology</i> , 2016, 6, 4221-4231.	4.1	18
34	Catalytic decomposition of nitrous oxide over Fe-BEA zeolites: Essential components of iron active sites. <i>Korean Journal of Chemical Engineering</i> , 2010, 27, 76-82.	2.7	14
35	Preparation of dandelion-type silica spheres and their application as catalyst supports. <i>Journal of Porous Materials</i> , 2014, 21, 797-809.	2.6	14
36	Hydrogen storage into monobenzyltoluene over Ru catalyst supported on SiO ₂ -ZrO ₂ mixed oxides with different Si/Zr ratios. <i>Korean Journal of Chemical Engineering</i> , 2020, 37, 1427-1435.	2.7	14

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37	Oxidative dehydrogenation of n-butenes to 1,3-butadiene over BiMoFe _{0.65} P _x catalysts: effect of phosphorous contents. <i>Research on Chemical Intermediates</i> , 2011, 37, 1125-1134.	2.7	13
38	CO oxidation over CuO catalysts prepared with different precipitants. <i>Korean Journal of Chemical Engineering</i> , 2012, 29, 1151-1157.	2.7	13
39	Low-temperature CO oxidation of Pt/Al _{0.1} Ce _{0.9} O _x catalysts: Effects of supports prepared with different precipitants. <i>Korean Journal of Chemical Engineering</i> , 2018, 35, 645-653.	2.7	13
40	Single-step preparation of zinc- and aluminosilicate delaminated MWW layers for the catalytic conversion of glucose. <i>Green Chemistry</i> , 2021, 23, 9489-9501.	9.0	13
41	Defect-stabilized nickel on beta zeolite as a promising catalyst for dry reforming of methane. <i>Catalysis Science and Technology</i> , 2022, 12, 3106-3115.	4.1	13
42	Platinum catalysts supported on silicas: effect of silica characteristics on their catalytic activity in carbon monoxide oxidation. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2011, 103, 463-479.	1.7	12
43	Characteristics of High Surface Area Molybdenum Nitride and Its Activity for the Catalytic Decomposition of Ammonia. <i>Catalysts</i> , 2021, 11, 192.	3.5	11
44	Synthesis and characterization of transition metal oxide-pillared materials with mesoporosity from layered silicate illerite. <i>Journal of Porous Materials</i> , 2006, 13, 27-35.	2.6	10
45	Characterization and activity of V ₂ O ₅ /CeO ₂ -MgO catalyst in the dehydrogenation of ethylbenzene to styrene. <i>Korean Journal of Chemical Engineering</i> , 2014, 31, 582-586.	2.7	10
46	Methane combustion over Pd/Ni-Al oxide catalysts: Effect of Ni/Al ratio in the Ni-Al oxide support. <i>Korean Journal of Chemical Engineering</i> , 2018, 35, 1815-1822.	2.7	10
47	Synergy effects of Al ₂ O ₃ promoter on a highly ordered mesoporous heterogeneous Rh-g-C ₃ N ₄ for a liquid-phase carbonylation of methanol. <i>Applied Catalysis A: General</i> , 2019, 585, 117209.	4.3	10
48	Cascade conversion of glucose to 5-hydroxymethylfurfural over Brønsted-Lewis bi-acidic SnAl-beta zeolites. <i>Korean Journal of Chemical Engineering</i> , 2021, 38, 1161-1169.	2.7	10
49	Low-temperature CO oxidation over water tolerant Pt catalyst supported on Al-modified CeO ₂ . <i>Korean Journal of Chemical Engineering</i> , 2013, 30, 598-604.	2.7	8
50	Characteristics of Si-Y mixed oxide supported nickel catalysts for the reductive amination of ethanol to ethylamines. <i>Catalysis Today</i> , 2020, 352, 287-297.	4.4	8
51	Effects of self-reduction of Co nanoparticles on mesoporous graphitic carbon-nitride to CO hydrogenation activity to hydrocarbons. <i>Fuel</i> , 2021, 287, 119437.	6.4	8
52	Synthesis, characterization and catalytic performance of binary CeO ₂ -MgO oxides in the dehydrogenation of ethylbenzene. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2012, 107, 157-165.	1.7	7
53	Improvement of Methane Combustion Activity for Pd/ZrO ₂ Catalyst by Simple Reduction/Reoxidation Treatment. <i>Catalysts</i> , 2019, 9, 838.	3.5	7
54	n-Butane Dehydrogenation on PtSn/Carbon Modified MgO Catalysts. <i>Catalysis Letters</i> , 2013, 143, 651-656.	2.6	6

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55	Selective synthesis of acetonitrile by reaction of ethanol with ammonia over Ni/Al ₂ O ₃ catalyst. Korean Journal of Chemical Engineering, 2019, 36, 1051-1056.	2.7	6
56	Rational Design of Pomegranate-like Base-â€“Acid Bifunctional Î² Zeolite by Steam-Assisted Crystallization for the Tandem Deacetalization-â€“Knoevenagel Condensation. ACS Applied Materials & Interfaces, 2020, 12, 57881-57887.	8.0	6
57	Adjusting Hydrocarbon Distribution on the Stabilized Al-Modified Mesoporous Co ₃ O ₄ -Fe ₂ O ₃ Bimetal Oxides for CO Hydrogenation. ChemCatChem, 2020, 12, 2304-2314.	3.7	5
58	Selective hydrogenation of CO ₂ to CH ₄ over two-dimensional nickel silicate molecular sieves. Catalysis Science and Technology, 2022, 12, 2232-2240.	4.1	5
59	Influence of phosphorous addition on Bi ₃ Mo ₂ Fe ₁ oxide catalysts for the oxidative dehydrogenation of 1-butene. Korean Journal of Chemical Engineering, 2016, 33, 823-830.	2.7	2
60	Effect of MgO promoter on Ru/Î³-Al ₂ O ₃ catalysts for tricyclopentadiene hydrogenation. Catalysis Today, 2020, 352, 308-315.	4.4	2
61	Stable Performance of Supported PdOx Catalyst on Mesoporous Silica-Alumina of Water Tolerance for Methane Combustion under Wet Conditions. Catalysts, 2021, 11, 670.	3.5	2
62	Cascade conversion of glucose to 5-hydroxymethylfurfural over Brønsted-â€“Lewis bi-acidic SiO ₂ -â€“ZrO ₂ catalysts. Biomass Conversion and Biorefinery, 0, , 1.	4.6	0
63	10.2478/s11814-010-0099-5. , 2011, 27, 76.		0
64	Amination of methanol for selective production of acetonitrile over Zn-Al mixed oxide catalysts synthesized at different pH. Applied Catalysis A: General, 2022, 641, 118688.	4.3	0