

# Chae-Ho Shin

## List of Publications by Year in descending order

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64  
papers

1,654  
citations

279798

23  
h-index

315739

38  
g-index

65  
all docs

65  
docs citations

65  
times ranked

2219  
citing authors

#	ARTICLE	IF	CITATIONS
1	Selective hydrogenation of CO <sub>2</sub> to CH <sub>4</sub> over two-dimensional nickel silicate molecular sieves. <i>Catalysis Science and Technology</i> , 2022, 12, 2232-2240.	4.1	5
2	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
3	Amination of methanol for selective production of acetonitrile over Zn-Al mixed oxide catalysts synthesized at different pH. <i>Applied Catalysis A: General</i> , 2022, 641, 118688.	4.3	0
4	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
5	Single-step preparation of zinco- and aluminosilicate delaminated MWW layers for the catalytic conversion of glucose. <i>Green Chemistry</i> , 2021, 23, 9489-9501.	9.0	13
6	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
7	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
8	Stable Performance of Supported PdOx Catalyst on Mesoporous Silica-Alumina of Water Tolerance for Methane Combustion under Wet Conditions. <i>Catalysts</i> , 2021, 11, 670.	3.5	2
9	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
10	Effect of MgO promoter on Ru/Al <sub>2</sub> O <sub>3</sub> catalysts for tricyclopentadiene hydrogenation. <i>Catalysis Today</i> , 2020, 352, 308-315.	4.4	2
11	Hydrogen storage into monobenzyltoluene over Ru catalyst supported on SiO <sub>2</sub> -ZrO <sub>2</sub> mixed oxides with different Si/Zr ratios. <i>Korean Journal of Chemical Engineering</i> , 2020, 37, 1427-1435.	2.7	14
12	Rational Design of Pomegranate-like Base-Acid Bifunctional $\beta$ Zeolite by Steam-Assisted Crystallization for the Tandem Deacetalization-Knoevenagel Condensation. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 57881-57887.	8.0	6
13	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
14	Adjusting Hydrocarbon Distribution on the Stabilized Al-Modified Mesoporous Co <sub>3</sub> O <sub>4</sub> -Fe <sub>2</sub> O <sub>3</sub> Bimetal Oxides for CO Hydrogenation. <i>ChemCatChem</i> , 2020, 12, 2304-2314.	3.7	5
15	Differences in bifunctionality of ZnO and ZrO <sub>2</sub> in Cu/ZnO/ZrO <sub>2</sub> /Al <sub>2</sub> O <sub>3</sub> catalysts in hydrogenation of carbon oxides for methanol synthesis. <i>Applied Catalysis B: Environmental</i> , 2019, 258, 117971.	20.2	45
16	Selective synthesis of acetonitrile by reaction of ethanol with ammonia over Ni/Al <sub>2</sub> O <sub>3</sub> catalyst. <i>Korean Journal of Chemical Engineering</i> , 2019, 36, 1051-1056.	2.7	6
17	Synergy effects of Al <sub>2</sub> O <sub>3</sub> promoter on a highly ordered mesoporous heterogeneous Rh-g-C <sub>3</sub> N <sub>4</sub> for a liquid-phase carbonylation of methanol. <i>Applied Catalysis A: General</i> , 2019, 585, 117209.	4.3	10
18	Improvement of Methane Combustion Activity for Pd/ZrO <sub>2</sub> Catalyst by Simple Reduction/Reoxidation Treatment. <i>Catalysts</i> , 2019, 9, 838.	3.5	7

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19	Roles of Structural Promoters for Direct CO <sub>2</sub> Hydrogenation to Dimethyl Ether over Ordered Mesoporous Bifunctional Cu/M <sup>+</sup> Al <sub>2</sub> O <sub>3</sub> (M = Ga or Zn). ACS Catalysis, 2019, 9, 679-690.	11.2	64
20	Low-temperature CO oxidation of Pt/Al <sub>0.1</sub> Ce <sub>0.9</sub> O <sub>x</sub> catalysts: Effects of supports prepared with different precipitants. Korean Journal of Chemical Engineering, 2018, 35, 645-653.	2.7	13
21	Catalytic methane combustion over Pd/ZrO <sub>2</sub> catalysts: Effects of crystalline structure and textural properties. Applied Catalysis B: Environmental, 2018, 232, 544-552.	20.2	86
22	Effect of acidity on Ni catalysts supported on P-modified Al <sub>2</sub> O <sub>3</sub> for dry reforming of methane. Catalysis Today, 2018, 303, 100-105.	4.4	44
23	Methane combustion over Pd/Ni-Al oxide catalysts: Effect of Ni/Al ratio in the Ni-Al oxide support. Korean Journal of Chemical Engineering, 2018, 35, 1815-1822.	2.7	10
24	Hydrogenation of the LOHC Compound Monobenzyl Toluene over ZrO <sub>2</sub> -supported Ru Nanoparticles: A Consequence of Zirconium Hydroxide's Surface Hydroxyl Group and Surface Area. ChemCatChem, 2018, 10, 3406-3410.	3.7	19
25	Effect of aging temperature during refluxing on the textural and surface acidic properties of zirconia catalysts. Journal of Industrial and Engineering Chemistry, 2017, 54, 137-145.	5.8	22
26	Reductive amination of ethanol to ethylamines over Ni/Al <sub>2</sub> O <sub>3</sub> catalysts. Korean Journal of Chemical Engineering, 2017, 34, 2610-2618.	2.7	20
27	Influence of phosphorous addition on Bi <sub>3</sub> Mo <sub>2</sub> Fe <sub>1</sub> oxide catalysts for the oxidative dehydrogenation of 1-butene. Korean Journal of Chemical Engineering, 2016, 33, 823-830.	2.7	2
28	Effect of an Alumina Phase on the Reductive Amination of 2-Propanol to Monoisopropylamine Over Ni/Al <sub>2</sub> O <sub>3</sub> . Catalysis Letters, 2016, 146, 811-819.	2.6	27
29	Effect of the ordered meso-macroporous structure of Co/SiO <sub>2</sub> on the enhanced activity of hydrogenation of CO to hydrocarbons. Catalysis Science and Technology, 2016, 6, 4221-4231.	4.1	18
30	Oxidative Dehydrogenation of n-Butenes to 1,3-Butadiene over Bismuth Molybdate and Ferrite Catalysts: A Review. Catalysis Surveys From Asia, 2016, 20, 23-33.	2.6	21
31	Effect of oxychlorination treatment on the regeneration of Pt-Sn/Al <sub>2</sub> O <sub>3</sub> catalyst for propane dehydrogenation. Research on Chemical Intermediates, 2016, 42, 351-365.	2.7	20
32	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. Angewandte Chemie - International Edition, 2015, 54, 9230-9234.	13.8	118
33	Low-temperature combustion of methane using PdO/Al <sub>2</sub> O <sub>3</sub> catalyst: Influence of crystalline phase of Al <sub>2</sub> O <sub>3</sub> support. Catalysis Communications, 2014, 56, 157-163.	3.3	34
34	The influence of calcination temperature on catalytic activities in a Co based catalyst for CO <sub>2</sub> dry reforming. Korean Journal of Chemical Engineering, 2014, 31, 224-229.	2.7	19
35	Characterization and activity of V <sub>2</sub> O <sub>5</sub> /CeO <sub>2</sub> -MgO catalyst in the dehydrogenation of ethylbenzene to styrene. Korean Journal of Chemical Engineering, 2014, 31, 582-586.	2.7	10
36	Preparation of dandelion-type silica spheres and their application as catalyst supports. Journal of Porous Materials, 2014, 21, 797-809.	2.6	14

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37	Hydrothermal stability of Pd/ZrO <sub>2</sub> catalysts for high temperature methane combustion. Applied Catalysis B: Environmental, 2014, 160-161, 135-143.	20.2	87
38	Low-temperature CO oxidation over water tolerant Pt catalyst supported on Al-modified CeO <sub>2</sub> . Korean Journal of Chemical Engineering, 2013, 30, 598-604.	2.7	8
39	n-Butane Dehydrogenation on PtSn/Carbon Modified MgO Catalysts. Catalysis Letters, 2013, 143, 651-656.	2.6	6
40	Reductive Amination of 2-Propanol to Monoisopropylamine Over Ni/γ-Al <sub>2</sub> O <sub>3</sub> Catalysts. Catalysis Letters, 2013, 143, 1319-1327.	2.6	32
41	CO oxidation over CuO catalysts prepared with different precipitants. Korean Journal of Chemical Engineering, 2012, 29, 1151-1157.	2.7	13
42	Synthesis, characterization and catalytic performance of binary CeO <sub>2</sub> -MgO oxides in the dehydrogenation of ethylbenzene. Reaction Kinetics, Mechanisms and Catalysis, 2012, 107, 157-165.	1.7	7
43	Reductive amination of 2-propanol to monoisopropylamine over Co/γ-Al <sub>2</sub> O <sub>3</sub> catalysts. Applied Catalysis A: General, 2012, 417-418, 313-319.	4.3	63
44	Platinum catalysts supported on silicas: effect of silica characteristics on their catalytic activity in carbon monoxide oxidation. Reaction Kinetics, Mechanisms and Catalysis, 2011, 103, 463-479.	1.7	12
45	Oxidative dehydrogenation of n-butenes to 1,3-butadiene over BiMoFe <sub>0.65</sub> P <sub>x</sub> catalysts: effect of phosphorous contents. Research on Chemical Intermediates, 2011, 37, 1125-1134.	2.7	13
46	Total oxidation of propane over Cu-Mn mixed oxide catalysts prepared by co-precipitation method. Korean Journal of Chemical Engineering, 2011, 28, 1139-1143.	2.7	24
47	10.2478/s11814-010-0099-5. , 2011, 27, 76.		0
48	Catalytic decomposition of nitrous oxide over Fe-BEA zeolites: Essential components of iron active sites. Korean Journal of Chemical Engineering, 2010, 27, 76-82.	2.7	14
49	Preparation of Highly Dispersive and Stable Platinum Catalysts Supported on Siliceous SBA-15 Mesoporous Material: Roles of Titania Layer Incorporation and Hydrogen Peroxide Treatment. Catalysis Letters, 2009, 129, 194-206.	2.6	24
50	Dispersion Improvement of Platinum Catalysts Supported on Silica, Silica-Alumina and Alumina by Titania Incorporation and pH Adjustment. Catalysis Letters, 2009, 133, 288-297.	2.6	43
51	Methane Combustion over Pd Catalysts Loaded on Medium and Large Pore Zeolites. Topics in Catalysis, 2009, 52, 27-34.	2.8	41
52	Magnetically-separable and highly-stable enzyme system based on crosslinked enzyme aggregates shipped in magnetite-coated mesoporous silica. Journal of Materials Chemistry, 2009, 19, 7864.	6.7	44
53	Cu-Zn-Cr <sub>2</sub> O <sub>3</sub> Catalysts for Dimethyl Ether Synthesis: Structure and Activity Relationship. Catalysis Letters, 2008, 123, 142-149.	2.6	27
54	Photocatalysis of methylene blue on titanium dioxide nanoparticles synthesized by modified sol-hydrothermal process of TiCl <sub>4</sub> . Catalysis Letters, 2007, 117, 112-118.	2.6	87

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55	Enhancing Effects of Ultrasound Treatment on the Preparation of TiO <sub>2</sub> Photocatalysts. <i>Catalysis Letters</i> , 2007, 118, 224-230.	2.6	21
56	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
57	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
58	Zeolite Synthesis Using Flexible Diquaternary Alkylammonium Ions (C <sub>n</sub> H <sub>2n+1</sub> ) <sub>2</sub> NH+(CH <sub>2</sub> ) <sub>5</sub> N+(C <sub>n</sub> H <sub>2n+1</sub> ) <sub>2</sub> with n = 1~5 as Structure-Directing Agents. <i>Chemistry of Materials</i> , 2005, 17, 477-486.	6.7	38
59	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
60	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
61	Host-Guest Interactions in P1, SUZ-4, and ZSM-5 Zeolites Containing N,N,N,N'-Hexaethylpentanediammonium Ion as a Guest Molecule. <i>Journal of Physical Chemistry B</i> , 2001, 105, 9994-10000.	2.6	32
62	Title is missing!. <i>Catalysis Letters</i> , 2000, 68, 229-234.	2.6	36
63	Synthesis of zeolites P1 and SUZ-4 through a synergy of organic N,N,N,N'-hexaethylpentanediammonium and inorganic cations. <i>Chemical Communications</i> , 2000, , 1609-1610.	4.1	31
64	Cascade conversion of glucose to 5-hydroxymethylfurfural over Brønsted-Lewis bi-acidic SiO <sub>2</sub> -ZrO <sub>2</sub> catalysts. <i>Biomass Conversion and Biorefinery</i> , 0, , 1.	4.6	0