Eun Duck Park

List of Publications by Year
in descending order

110 papers	5,296 citations	109321 35 h-index	88630 70 g-index
112 all docs	112 docs citations	112 times ranked	5720 citing authors

#	Article	IF	Citations
1	Manganese oxide catalysts for NOx reduction with NH3 at low temperatures. Applied Catalysis A: General, 2007, 327, 261-269.	4.3	733
2	Recent progress in selective CO removal in a H2-rich stream. Catalysis Today, 2009, 139, 280-290.	4.4	430
3	Effects of Pretreatment Conditions on CO Oxidation over Supported Au Catalysts. Journal of Catalysis, 1999, 186, 1-11.	6.2	392
4	CO and CO 2 methanation over supported Ni catalysts. Catalysis Today, 2017, 293-294, 89-96.	4.4	227
5	Recent advances in catalytic co-pyrolysis of biomass and plastic waste for the production of petroleum-like hydrocarbons. Bioresource Technology, 2020, 310, 123473.	9.6	199
6	Gas-phase dehydration of glycerol over ZSM-5 catalysts. Microporous and Mesoporous Materials, 2010, 131, 28-36.	4.4	197
7	Supported Ptâ€"Co Catalysts for Selective CO Oxidation in a Hydrogen-Rich Stream. Angewandte Chemie - International Edition, 2007, 46, 734-737.	13.8	150
8	A comparative study for gas-phase dehydration of glycerol over H-zeolites. Applied Catalysis A: General, 2011, 393, 275-287.	4.3	136
9	Mn-Promoted Ni/Al2O3 Catalysts for Stable Carbon Dioxide Reforming of Methane. Journal of Catalysis, 2002, 209, 6-15.	6.2	124
10	Gas-phase dehydration of glycerol over silicaâ€"alumina catalysts. Applied Catalysis B: Environmental, 2011, 107, 177-187.	20.2	113
11	A comparative study of catalysts for the preferential CO oxidation in excess hydrogen. Catalysis Today, 2006, 116, 377-383.	4.4	91
12	Dehydration of D-xylose into furfural over H-zeolites. Korean Journal of Chemical Engineering, 2011, 28, 710-716.	2.7	84
13	Effects of Na content in Na/Ni/SiO 2 and Na/Ni/CeO 2 catalysts for CO and CO 2 methanation. Catalysis Today, 2018, 303, 159-167.	4.4	83
14	Effects of dealumination and desilication of H-ZSM-5 on xylose dehydration. Microporous and Mesoporous Materials, 2014, 186, 121-129.	4.4	73
15	Ptâ€"Ni/Î³-Al2O3 catalyst for the preferential CO oxidation in the hydrogen stream. Catalysis Letters, 2006, 110, 275-279.	2.6	68
16	Direct conversion of cellulose into polyols over Ni/W/SiO2-Al2O3. Bioresource Technology, 2012, 114, 684-690.	9.6	68
17	Novel MnOx Catalysts for NO Reduction at Low Temperature with Ammonia. Catalysis Letters, 2006, 106, 77-80.	2.6	67
18	Recent Progress in Direct Conversion of Methane to Methanol Over Copper-Exchanged Zeolites. Frontiers in Chemistry, 2019, 7, 514.	3.6	67

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19	A highly loaded Ni@SiO2 coreâ€“shell catalyst for CO methanation. Applied Catalysis A: General, 2016, 513, 98-105.	4.3	66
20	Preferential CO oxidation over supported noble metal catalysts. Catalysis Today, 2009, 146, 253-259.	4.4	65
21	Selective CO removal in a H2-rich stream over supported Ru catalysts for the polymer electrolyte membrane fuel cell (PEMFC). Applied Catalysis A: General, 2009, 366, 363-369.	4.3	63
22	Recent Advances in Preferential Oxidation of CO in H2 Over Gold Catalysts. Catalysis Surveys From Asia, 2014, 18, 75-88.	2.6	61
23	Steam reforming of methanol over Cu/ZnO/ZrO2/Al2O3 catalyst. International Journal of Hydrogen Energy, 2014, 39, 11517-11527.	7.1	60
24	Oxidative carbonylation of phenol to diphenyl carbonate over supported palladium catalysts. Journal of Molecular Catalysis A, 2000, 154, 243-250.	4.8	58
25	The effect of the crystalline phase of alumina on the selective CO oxidation in a hydrogen-rich stream over Ru/Al2O3. Applied Catalysis B: Environmental, 2010, 96, 41-50.	20.2	58
26	Effects of Copper Phase on CO Oxidation over Supported Wacker-Type Catalysts. Journal of Catalysis, 1998, 180, 123-131.	6.2	53
27	CO and CO2 Methanation Over Supported Cobalt Catalysts. Topics in Catalysis, 2017, 60, 714-720.	2.8	53
28	Copper- and vanadium-catalyzed methane oxidation into oxygenates with in situ generated H2O2 over Pd/C. Applied Catalysis A: General, 2003, 247, 269-281.	4.3	47
29	Enhancement of aromatics from catalytic pyrolysis of yellow poplar: Role of hydrogen and methane decomposition. Bioresource Technology, 2020, 315, 123835.	9.6	46
30	Green organophotocatalysis. TiO2-induced enantioselective Î±-oxyamination of aldehydes. Catalysis Science and Technology, 2011, 1, 923.	4.1	45
31	CO and CO2 Methanation Over Ni/SiC and Ni/SiO2 Catalysts. Topics in Catalysis, 2018, 61, 1537-1544.	2.8	43
32	CO and CO2 methanation over Ni catalysts supported on alumina with different crystalline phases. Korean Journal of Chemical Engineering, 2017, 34, 3085-3091.	2.7	42
33	Correlation between acidity and catalytic activity for the methanol dehydration over various aluminum oxides. Research on Chemical Intermediates, 2010, 36, 653-660.	2.7	41
34	CO and CO2 methanation over M (M Mn, Ce, Zr, Mg, K, Zn, or V)-promoted Ni/Al@Al2O3 catalysts. Catalysis Today, 2020, 348, 80-88.	4.4	39
35	Water-gas shift reaction over supported Pt-CeOx catalysts. Applied Catalysis B: Environmental, 2009, 90, 45-54.	20.2	35
36	Adsorptive removal of tetrahydrothiophene (THT) and tert-butylmercaptan (TBM) using Na-Y and AgNa-Y zeolites for fuel cell applications. Applied Catalysis A: General, 2008, 334, 129-136.	4.3	32

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37	Selective CO oxidation in a hydrogen-rich stream over Ru/SiO2. Catalysis Today, 2012, 185, 143-150.	4.4	32
38	Hydrogenolysis of cellulose into polyols over Ni/W/SiO2 catalysts. Applied Catalysis A: General, 2013, 466, 161-168.	4.3	32
39	Propane combustion over Pt/Al2O3 catalysts with different crystalline structures of alumina. Korean Journal of Chemical Engineering, 2015, 32, 2212-2219.	2.7	30
40	CO methanation over supported Mo catalysts in the presence of H2S. Catalysis Communications, 2013, 35, 68-71.	3.3	28
41	Continuous Synthesis of Methanol from Methane and Steam over Copper-Mordenite. ACS Catalysis, 2021, 11, 1065-1070.	11.2	28
42	Low-temperature catalytic reduction of nitrogen oxides with ammonia over supported manganese oxide catalysts. Korean Journal of Chemical Engineering, 2007, 24, 191-195.	2.7	27
43	Direct conversion of cellulose into polyols or H2 over Pt/Na(H)-ZSM-5. Korean Journal of Chemical Engineering, 2011, 28, 744-750.	2.7	27
44	Deactivation phenomena of MoO3/SiO2 and TiO2/SiO2 during transesterification between dimethyl carbonate and phenol. Applied Catalysis A: General, 2009, 356, 211-215.	4.3	25
45	Kinetic study of the dehydration of d-xylose in high temperature water. Reaction Kinetics, Mechanisms and Catalysis, 2011, 103, 267-277.	1.7	25
46	Role of surface hydrophilicity of alumina in methanol dehydration. Catalysis Communications, 2012, 20, 63-67.	3.3	25
47	Effect of Pt Particle Size on Propane Combustion Over Pt/ZSM-5. Catalysis Letters, 2013, 143, 1132-1138.	2.6	25
48	Waterâ€"gas shift reaction over Pt and Ptâ€"CeO x supported on Ce x Zr 1âˆ'x O 2. International Journal of Hydrogen Energy, 2012, 37, 1465-1474.	7.1	24
49	CO and CO2 Methanation over CeO2-Supported Cobalt Catalysts. Catalysts, 2022, 12, 212.	3.5	24
50	Selective CO oxidation in the presence of hydrogen over supported Pt catalysts promoted with transition metals. Korean Journal of Chemical Engineering, 2006, 23, 182-187.	2.7	23
51	CO and CO methanation over Ni/Al@Al O3 coreâ€"shell catalyst. Catalysis Today, 2020, 356, 622-630.	4.4	23
52	Characterization of Pd/C and Cu Catalysts for the Oxidation of Methane to a Methanol Derivative. Journal of Catalysis, 2000, 194, 33-44.	6.2	22
53	Al2O3-Coated Ni/CeO2 nanoparticles as coke-resistant catalyst for dry reforming of methane. Catalysis Science and Technology, 2020, 10, 8283-8294.	4.1	22
54	Transesterification between dimethyl carbonate and phenol in the presence of (NH4)8Mo10O34 as a catalyst precursor. Applied Catalysis A: General, 2009, 361, 26-31.	4.3	21

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55	Continuous methanol synthesis directly from methane and steam over Cu(II)-exchanged mordenite. Korean Journal of Chemical Engineering, 2018, 35, 2145-2149.	2.7	21
56	Easily separable molecular catalysis. Catalysis Today, 2000, 63, 147-157.	4.4	20
57	Liquid-phase dehydration of d-xylose over silicaâ€“alumina catalysts with different alumina contents. Reaction Kinetics, Mechanisms and Catalysis, 2014, 111, 521-534.	1.7	20
58	CO2 Methanation over Ni/Al@MAl2O4 (M = Zn, Mg, or Mn) Catalysts. Catalysts, 2019, 9, 599.	3.5	20
59	Active Ni/SiO2 catalysts with high Ni content for benzene hydrogenation and CO methanation. Applied Catalysis A: General, 2019, 581, 67-73.	4.3	20
60	Simultaneous removal of particulates and NO by the catalytic bag filter containing MnOx catalysts. Korean Journal of Chemical Engineering, 2009, 26, 86-89.	2.7	19
61	SiO2@V2O5@Al2O3 coreâ€“shell catalysts with high activity and stability for methane oxidation to formaldehyde. Journal of Catalysis, 2018, 368, 134-144.	6.2	19
62	Direct synthesis of oxygenates via partial oxidation of methane in the presence of O2 and H2 over a combination of Fe-ZSM-5 and Pd supported on an acid-functionalized porous polymer. Applied Catalysis A: General, 2020, 602, 117711.	4.3	19
63	Aqueousâ€Phase Selective Oxidation of Methane with Oxygen over Iron Salts and Pd/C in the Presence of Hydrogen. ChemCatChem, 2019, 11, 4247-4251.	3.7	18
64	Selective Oxidation of Methane over Fe-Zeolites by In Situ Generated H2O2. Catalysts, 2020, 10, 299.	3.5	18
65	Partial oxidation of methane with hydrogen peroxide over Fe-ZSM-5 catalyst. Catalysis Today, 2021, 376, 113-118.	4.4	18
66	Effect of amino-defective-MOF materials on the selective hydrodeoxygenation of fatty acid over Pt-based catalysts. Journal of Catalysis, 2021, 400, 283-293.	6.2	18
67	Nature and role of active states of Pd and Cu in the oxidative carbonylation of phenols with Pd/C and cuprous oxide. Journal of Catalysis, 2003, 218, 334-347.	6.2	17
68	Effects of inorganic cocatalysts and initial states of Pd on the oxidative carbonylation of phenols over heterogeneous Pd/C. Applied Catalysis A: General, 2003, 242, 335-345.	4.3	17
69	Steam reforming of liquid petroleum gas over Mn-promoted Ni/Î3-Al2O3 catalysts. Korean Journal of Chemical Engineering, 2010, 27, 1132-1138.	2.7	17
70	Active size-controlled Ru catalysts for selective CO oxidation in H2. Applied Catalysis B: Environmental, 2012, 127, 129-136.	20.2	17
71	Catalytic hydrogenolysis of alkali lignin in supercritical ethanol over copper monometallic catalyst supported on a chromium-based metalâ€“organic framework for the efficient production of aromatic monomers. Bioresource Technology, 2021, 342, 125941.	9.6	17
72	Effects of preparation methods for V2O5-TiO2 aerogel catalysts on the selective catalytic reduction of NO with NH3. Korean Journal of Chemical Engineering, 2009, 26, 884-889.	2.7	16

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73	NO oxidation over supported cobalt oxide catalysts. Korean Journal of Chemical Engineering, 2010, 27, 49-54.	2.7	16
74	Water-gas shift reaction over supported Pt and Pt-CeOx catalysts. Korean Journal of Chemical Engineering, 2010, 27, 1123-1131.	2.7	16
75	Kinetic parameter estimation of the Fischer-Tropsch synthesis reaction on K/Fe-Cu-Al catalysts. Korean Journal of Chemical Engineering, 2009, 26, 1591-1600.	2.7	15
76	CO and CO₂ Methanation Over Ni/Î³-Al₂O₃ Prepared by Deposition-Precipitation Method. Journal of Nanoscience and Nanotechnology, 2019, 19, 3252-3262.	0.9	15
77	Photoelectrochemical Conversion of Methane into Value-Added Products. Catalysts, 2021, 11, 1387.	3.5	15
78	Partial least squares modeling and analysis of furfural production from biomass-derived xylose over solid acid catalysts. Journal of Industrial and Engineering Chemistry, 2015, 21, 350-355.	5.8	14
79	Enhanced Selectivity for CO₂ Adsorption on Mesoporous Silica with Alkali Metal Halide Due to Electrostatic Field: A Molecular Simulation Approach. ACS Applied Materials & Interfaces, 2017, 9, 31683-31690.	8.0	14
80	CuInS₂ Photocathodes with Atomic Gradation-Controlled (Ta,Mo)<i>_x</i>(O,S)<i>_y</i> Passivation Layers for Efficient Photoelectrochemical H₂ Production. ACS Applied Materials & Interfaces, 2021, 13, 58447-58457.	8.0	14
81	Selective CO oxidation in the hydrogen stream over Ru/Al@Al2O3 catalysts. Catalysis Today, 2020, 352, 148-156.	4.4	13
82	Propane combustion over supported Pd catalysts. Research on Chemical Intermediates, 2010, 36, 603-611.	2.7	12
83	Preferential oxidation of CO in a hydrogen-rich stream over Au/MO /Al2O3 (M = La, Ce, and Mg) catalysts. Catalysis Today, 2016, 265, 19-26.	4.4	12
84	The effect of metal ions in MNaY-zeolites for the adsorptive removal of tetrahydrothiophene. Korean Journal of Chemical Engineering, 2009, 26, 1291-1295.	2.7	10
85	Effect of Al content on hydrocracking of n-paraffin over Pt/SiO2â€"Al2O3. Catalysis Communications, 2012, 26, 78-82.	3.3	10
86	Aqueous-phase partial oxidation of methane with H2O2 over Fe-ZSM-5 catalysts prepared from different iron precursors. Microporous and Mesoporous Materials, 2021, 324, 111278.	4.4	10
87	The effect of cobalt precursors on NO oxidation over supported cobalt oxide catalysts. Korean Journal of Chemical Engineering, 2010, 27, 822-827.	2.7	9
88	Propane combustion over supported Pt catalysts. Research on Chemical Intermediates, 2011, 37, 1135-1143.	2.7	9
89	Markedly High Catalytic Activity of Supported Ptâ€"MoO_{<i>x</i>} Nanoclusters for Methanol Reforming to Hydrogen at Low Temperatures. ChemCatChem, 2013, 5, 806-814.	3.7	9
90	Effects of hydrothermal oxidation time of Al on the catalytic performance of Ru/Al@Al2O3 for selective oxidation of CO in H2. Fuel, 2021, 301, 121040.	6.4	9

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91	Nanosized Pt-Co Catalysts for the Preferential CO Oxidation. Journal of Nanoscience and Nanotechnology, 2006, 6, 3567-3571.	0.9	8
92	Optimal Ru particle size for selective CO oxidation in H2 over Ru/Îº-Al2O3. Korean Journal of Chemical Engineering, 2014, 31, 1985-1993.	2.7	8
93	Effects of Surface Area of Coâ€"Mnâ€"O Catalysts on the Selective CO Oxidation in H2. Catalysis Letters, 2014, 144, 607-614.	2.6	8
94	Gas-Phase Selective Oxidation of Methane into Methane Oxygenates. Catalysts, 2022, 12, 314.	3.5	8
95	Steam reforming of ethylene glycol over Ni-based catalysts: the effect of K. Research on Chemical Intermediates, 2016, 42, 223-235.	2.7	6
96	Control of selectivity in methane conversion reactions in RF plasma: the influence of reaction conditions. Research on Chemical Intermediates, 2018, 44, 3761-3771.	2.7	6
97	Enhanced photoelectrochemical stability of Ta3N5 in the acidic electrolyte conditions. Applied Surface Science, 2022, 583, 152566.	6.1	6
98	Methane oxidation to formaldehyde over vanadium oxide supported on various mesoporous silicas. Korean Journal of Chemical Engineering, 2021, 38, 1224-1230.	2.7	5
99	Selective CO removal in the H2-rich stream through a double-bed system composed of non-noble metal catalysts. Studies in Surface Science and Catalysis, 2007, 167, 171-176.	1.5	4
100	OPTIMIZATION STRATEGY FOR A FISCHER-TROPSCH SYNTHESIS BENCH-SCALE REACTOR: EFFECT OF OBJECTIVE ELEMENTS ON OPTIMIZATION PERFORMANCE. Chemical Engineering Communications, 2011, 198, 1075-1092.	2.6	4
101	Kinetic modeling of hydrocracking reaction in a trickle-bed reactor with Pt/Y-zeolite catalysts. Korean Journal of Chemical Engineering, 2014, 31, 419-426.	2.7	2
102	Dehydration of d-xylose over SiO2-Al2O3 catalyst: Perspective on the pathways for condensed products. Korean Journal of Chemical Engineering, 2016, 33, 806-811.	2.7	2
103	Nano-Sized Au/CeO₂ Catalysts for Total and Selective CO Oxidation. Solid State Phenomena, 2007, 124-126, 1749-1752.	0.3	1
104	Interactions Between Tetrahydrothiophene (THT) and Silver Species in AgNa-Y. Journal of Nanoscience and Nanotechnology, 2010, 10, 203-210.	0.9	1
105	Aqueousâ€Phase Selective Oxidation of Methane with Oxygen over Iron Salts and Pd/C in the Presence of Hydrogen. ChemCatChem, 2019, 11, 4221-4221.	3.7	1
106	Direct Conversion of Cellulose into Polyols over Pt Catalysts Supported on Zeolites. Korean Chemical Engineering Research, 2012, 50, 435-441.	0.2	1
107	The Effect of Physicochemical Treatment on Pd Dispersion of Carbon-Supported Pd Catalysts. Solid State Phenomena, 2008, 135, 57-60.	0.3	0
108	10.2478/s11814-009-0290-8. , 2011, 27, 49.		0

#	Article	IF	Citations
109	10.2478/s11814-009-0341-1. , 2011, 26, 1591.		0
110	10.2478/s11814-009-0203-x. , 2011, 26, 1291.		0