

Jeong Gil Seo

List of Publications by Year in descending order

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158
papers

5,395
citations

87401

40
h-index

145109

60
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160
all docs

160
docs citations

160
times ranked

6401
citing authors

#	ARTICLE	IF	CITATIONS
1	Synergistically Interfaced Bifunctional Transition Metal Selenides for High-Rate Hydrogen Production Via Urea Electrolysis. <i>ChemCatChem</i> , 2022, 14, .	1.8	6
2	Highly porous, hierarchical peanut-like Ecan Andrews site binary metal oxide nanostructures for the high-efficiency detoxification of organic dyes from wastewater. <i>Ceramics International</i> , 2022, 48, 1057-1067.	2.3	3
3	Enhanced Hydrogenation of Levulinic Acid over Ordered Mesoporous Alumina-Supported Catalysts: Elucidating the Effect of Fabrication Strategy. <i>ChemSusChem</i> , 2022, 15, .	3.6	7
4	Yolk-shell nickel-cobalt phosphides as bifunctional catalysts in the solvent-free hydrogenation of Levulinic acid to gamma-Valerolactone. <i>Renewable Energy</i> , 2022, 191, 763-774.	4.3	9
5	Cu ₂ O/CuO Electrocatalyst for Electrochemical Reduction of Carbon Dioxide to Methanol. <i>Electroanalysis</i> , 2021, 33, 705-712.	1.5	34
6	Growth of binder free mesoporous 3D-CuCo ₂ O ₄ electrocatalysts with high activity and stability for electro-oxidation of methanol. <i>Ceramics International</i> , 2021, 47, 3322-3328.	2.3	11
7	Highly porous honeycomb-like activated carbon derived using cellulose pulp for symmetric supercapacitors. <i>International Journal of Energy Research</i> , 2021, 45, 4385-4395.	2.2	13
8	Application of 2-methylfuran and 5-methylfurfural for the synthesis of C16 fuel precursor over fibrous silica-supported heteropoly acid-functionalized ionic liquid. <i>Korean Journal of Chemical Engineering</i> , 2021, 38, 1170-1178.	1.2	4
9	Interplay between electrochemical reactions and mechanical responses in silicon-graphite anodes and its impact on degradation. <i>Nature Communications</i> , 2021, 12, 2714.	5.8	51
10	Constructive designing of ternary metal oxide as an anode material for high performance lithium-ion batteries. <i>International Journal of Energy Research</i> , 2021, 45, 16592-16602.	2.2	7
11	Characterisation of bacterial nanocellulose and nanostructured carbon produced from crude glycerol by <i>Komagataeibacter sucrofermentans</i> . <i>Bioresource Technology</i> , 2021, 342, 125918.	4.8	16
12	Catalytic C-C coupling of furanic platform chemicals to high carbon fuel precursors over supported ionic liquids. <i>Applied Catalysis A: General</i> , 2021, 628, 118421.	2.2	6
13	Triboelectrification-based particulate matter capture utilizing electrospun ethyl cellulose and PTFE spheres. <i>Atmospheric Environment: X</i> , 2021, 12, 100138.	0.8	6
14	Low-temperature selective dehydrogenation of methylcyclohexane by surface protonics over Pt/anatase-TiO ₂ catalyst. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 738-743.	3.8	43
15	Covalently decorated crown ethers on magnetic graphene oxides as bi-functional adsorbents with tailorable ion recognition properties for selective metal ion capture in water. <i>Chemical Engineering Journal</i> , 2020, 389, 123421.	6.6	50
16	Hierarchically assembled porous TiO ₂ nanoparticles with enhanced photocatalytic activity towards Rhodamine-B degradation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 586, 124199.	2.3	16
17	An advanced and highly efficient Ce assisted NiFe-LDH electrocatalyst for overall water splitting. <i>Sustainable Energy and Fuels</i> , 2020, 4, 312-323.	2.5	125
18	Mechanically reinforced-CNT cathode for Li-O ₂ battery with enhanced specific energy via ex situ pore formation. <i>Chemical Engineering Journal</i> , 2020, 385, 123841.	6.6	19

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19	Encapsulation of Phase-Changing Eutectic Salts in Magnesium Oxide Fibers for High-Temperature Carbon Dioxide Capture: Beyond the Capacity–Stability Tradeoff. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 518-526.	4.0	13
20	MgO insertion endowed strong basicity in mesoporous alumina framework and improved CO ₂ sorption capacity. <i>Journal of CO₂ Utilization</i> , 2020, 42, 101294.	3.3	12
21	Support effects on catalysis of low temperature methane steam reforming. <i>RSC Advances</i> , 2020, 10, 26418-26424.	1.7	14
22	Substrate Effect of Platinum-Decorated Carbon on Enhanced Hydrogen Oxidation in PEMFC. <i>ACS Omega</i> , 2020, 5, 26902-26907.	1.6	10
23	Supported Bimetallic Catalysts for the Solvent-Free Hydrogenation of Levulinic Acid to γ -Valerolactone: Effect of Metal Combination (Ni-Cu, Ni-Co, Cu-Co). <i>Catalysts</i> , 2020, 10, 1354.	1.6	15
24	Hierarchical novel NiCo ₂ O ₄ / BiVO ₄ hybrid heterostructure as an advanced anode material for rechargeable lithium ion battery. <i>International Journal of Energy Research</i> , 2020, 44, 12126-12135.	2.2	8
25	Effects of metal cation doping in CeO ₂ support on catalytic methane steam reforming at low temperature in an electric field. <i>RSC Advances</i> , 2020, 10, 14487-14492.	1.7	20
26	Key factor for the anti-Arrhenius low-temperature heterogeneous catalysis induced by H ⁺ migration: H ⁺ coverage over support. <i>Chemical Communications</i> , 2020, 56, 3365-3368.	2.2	27
27	Unveiling the carbonation mechanism in molten salt-promoted MgO-Al ₂ O ₃ sorbents. <i>Journal of CO₂ Utilization</i> , 2020, 39, 101153.	3.3	9
28	Interface modulation of a layer-by-layer electrodeposited Fe _x Co(1-x)P/NiP@CC heterostructure for high-performance oxygen evolution reaction. <i>Sustainable Energy and Fuels</i> , 2020, 4, 1863-1874.	2.5	22
29	Hydroxyalkylation/alkylation of 2-methylfuran and furfural over niobic acid catalysts for the synthesis of high carbon transport fuel precursors. <i>Sustainable Energy and Fuels</i> , 2020, 4, 3018-3028.	2.5	18
30	Eutectic mixture promoted CO ₂ sorption on MgO-TiO ₂ composite at elevated temperature. <i>Journal of Environmental Sciences</i> , 2019, 76, 80-88.	3.2	19
31	Solvothermal Synthesis of Mesoporous 3D-CuCo ₂ O ₄ Hollow Tubes as Efficient Electrocatalysts for Methanol Electrooxidation. <i>ChemCatChem</i> , 2019, 11, 6078-6085.	1.8	9
32	Dehydrogenation of Ethane via the Mars–van Krevelen Mechanism over La _{0.8} Ba _{0.2} MnO ₃ Perovskites under Anaerobic Conditions. <i>Journal of Physical Chemistry C</i> , 2019, 123, 26272-26281.	1.5	14
33	Governing factors of supports of ammonia synthesis in an electric field found using density functional theory. <i>Journal of Chemical Physics</i> , 2019, 151, 064708.	1.2	13
34	Low-temperature selective catalytic dehydrogenation of methylcyclohexane by surface protonics. <i>RSC Advances</i> , 2019, 9, 27743-27748.	1.7	21
35	Electric Field and Mobile Oxygen Promote Low-Temperature Oxidative Coupling of Methane over La _x Ca _x AlO ₃ Perovskite Catalysts. <i>ACS Omega</i> , 2019, 4, 10438-10443.	1.6	25
36	Promoting Discarded Packing Waste into Value-Added 2D Porous Carbon Flakes for Multifunctional Applications. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, , .	3.2	0

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37	Enhanced methane activation on diluted metal-metal ensembles under an electric field: breakthrough in alloy catalysis. <i>Chemical Communications</i> , 2019, 55, 6693-6695.	2.2	33
38	Effect of Ba addition to Ga-Al ₂ O ₃ catalyst on structure and catalytic selectivity for dehydrogenation of ethane. <i>Applied Catalysis A: General</i> , 2019, 581, 23-30.	2.2	21
39	Electrochemical deposition of self-supported bifunctional copper oxide electrocatalyst for methanol oxidation and oxygen evolution reaction. <i>Journal of Industrial and Engineering Chemistry</i> , 2019, 76, 515-523.	2.9	57
40	Highly Efficient g-C ₃ N ₄ Nanorods with Dual Active Sites as an Electrocatalyst for the Oxygen Evolution Reaction. <i>ChemCatChem</i> , 2019, 11, 2870-2878.	1.8	29
41	Room-Temperature Ultrafast Synthesis of NiCo-Layered Double Hydroxide as an Excellent Electrocatalyst for Water Oxidation. <i>ChemistrySelect</i> , 2019, 4, 2409-2415.	0.7	25
42	High-Loading Carbon Nanotubes on Polymer Nanofibers as Stand-Alone Anode Materials for Li-Ion Batteries. <i>ACS Omega</i> , 2019, 4, 4129-4137.	1.6	14
43	Mg-Ion Inversion in MgO@MgO-Al ₂ O ₃ Oxides: The Origin of Basic Sites. <i>ChemSusChem</i> , 2019, 12, 2810-2818.	3.6	11
44	Irreversible catalytic methylcyclohexane dehydrogenation by surface protonics at low temperature. <i>RSC Advances</i> , 2019, 9, 5918-5924.	1.7	44
45	Hierarchical free-standing networks of MnCo ₂ S ₄ as efficient Electrocatalyst for oxygen evolution reaction. <i>Journal of Industrial and Engineering Chemistry</i> , 2019, 71, 452-459.	2.9	37
46	Diamine-Functionalization of a Metal-Organic Framework Adsorbent for Superb Carbon Dioxide Adsorption and Desorption Properties. <i>ChemSusChem</i> , 2018, 11, 1694-1707.	3.6	40
47	Radical-initiated oxidative conversion of methane to methanol over metallic iron and copper catalysts. <i>Molecular Catalysis</i> , 2018, 445, 232-239.	1.0	9
48	In Situ Observation of Carbon Dioxide Capture on Pseudo-Liquid Eutectic Mixture-Promoted Magnesium Oxide. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 2414-2422.	4.0	47
49	Mechanistic insight into the quantitative synthesis of acetic acid by direct conversion of CH ₄ and CO ₂ : An experimental and theoretical approach. <i>Applied Catalysis B: Environmental</i> , 2018, 229, 237-248.	10.8	59
50	Facile and cost-effective growth of a highly efficient MgCo ₂ O ₄ electrocatalyst for methanol oxidation. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 1115-1120.	3.0	34
51	Sacrificial templating method for fabrication of MgO-Al ₂ O ₃ @C spheres and their application to CO ₂ capture. <i>Materials Letters</i> , 2018, 211, 304-307.	1.3	7
52	Electron transport shuttle mechanism <i>via</i> an Fe-N-C bond derived from a conjugated microporous polymer for a supercapacitor. <i>Dalton Transactions</i> , 2018, 47, 852-858.	1.6	30
53	Collective use of deep eutectic solvent for one-pot synthesis of ternary Sn/SnO ₂ @C electrode for supercapacitor. <i>Journal of Alloys and Compounds</i> , 2018, 732, 694-704.	2.8	24
54	Yolk-shelled ZnCo ₂ O ₄ microspheres: Surface properties and gas sensing application. <i>Sensors and Actuators B: Chemical</i> , 2018, 257, 906-915.	4.0	197

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55	Self-assembled Mn ₃ O ₄ nano-clusters over carbon nanotube threads with enhanced supercapacitor performance. <i>New Journal of Chemistry</i> , 2018, 42, 19608-19614.	1.4	29
56	A comprehensive investigation of the condensation of furanic platform molecules to C ₁₄ -C ₁₅ fuel precursors over sulfonic acid functionalized silica supports. <i>Green Chemistry</i> , 2018, 20, 5133-5146.	4.6	38
57	Dual Role of Deep Eutectic Solvent as a Solvent and Template for the Synthesis of Octahedral Cobalt Vanadate for an Oxygen Evolution Reaction. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 16255-16266.	3.2	54
58	Stabilization of NaNO ₃ -Promoted Magnesium Oxide for High-Temperature CO ₂ Capture. <i>Environmental Science & Technology</i> , 2018, 52, 11952-11959.	4.6	7
59	Tailoring and exploring the basicity of magnesium oxide nanostructures in ionic liquids for Claisen-Schmidt condensation reaction. <i>Energy</i> , 2018, 160, 635-647.	4.5	24
60	Mesoporous magnesium oxide nanoparticles derived via complexation-combustion for enhanced performance in carbon dioxide capture. <i>Journal of Colloid and Interface Science</i> , 2017, 498, 55-63.	5.0	33
61	Predictive Guide for Collective CO ₂ Adsorption Properties of Mg ²⁺ /Al Mixed Oxides. <i>ChemSusChem</i> , 2017, 10, 1701-1709.	3.6	11
62	Mesoporous Mn ₂ O ₃ /reduced graphene oxide (rGO) composite with enhanced electrochemical performance for Li-ion battery. <i>Dalton Transactions</i> , 2017, 46, 9777-9783.	1.6	19
63	Synergistic activating effect of promoter and oxidant in single step conversion of methane into methanol over a tailored polymer-Ag coordination complex. <i>RSC Advances</i> , 2017, 7, 24168-24176.	1.7	4
64	Growth of urchin-like ZnCo ₂ O ₄ microspheres on nickel foam as a binder-free electrode for high-performance supercapacitor and methanol electro-oxidation. <i>Electrochimica Acta</i> , 2017, 246, 941-950.	2.6	99
65	Fine-tuning of the Carbon Dioxide Capture Capability of Diamine-grafted Metal-Organic Framework Adsorbents Through Amine Functionalization. <i>ChemSusChem</i> , 2017, 10, 541-550.	3.6	88
66	Enhanced Cyclic Stability and CO ₂ Capture Performance of MgO-Al ₂ O ₃ Sorbent Decorated with Eutectic Mixture. <i>Energy Procedia</i> , 2017, 114, 2421-2428.	1.8	8
67	Enhanced Selectivity for CO ₂ Adsorption on Mesoporous Silica with Alkali Metal Halide Due to Electrostatic Field: A Molecular Simulation Approach. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 31683-31690.	4.0	14
68	Electrochemical growth of Co(OH) ₂ nanoflakes on Ni foam for methanol electro-oxidation. <i>New Journal of Chemistry</i> , 2017, 41, 9546-9553.	1.4	56
69	Free standing growth of MnCo ₂ O ₄ nanoflakes as an electrocatalyst for methanol electro-oxidation. <i>New Journal of Chemistry</i> , 2017, 41, 15058-15063.	1.4	34
70	Bi-functionality of mesostructured MnCo ₂ O ₄ microspheres for supercapacitor and methanol electro-oxidation. <i>Ceramics International</i> , 2017, 43, 2670-2679.	2.3	48
71	Controlled oxidation state of Ti in MgO-TiO ₂ composite for CO ₂ capture. <i>Chemical Engineering Journal</i> , 2017, 308, 177-183.	6.6	49
72	H ₂ TiO ₃ composite adsorbent foam for efficient and continuous recovery of Li ⁺ from liquid resources. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 504, 267-279.	2.3	79

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73	SBA-15 supported ionic liquid phase (SILP) with $H_{2O}^{PW_{12}O_{40}}$ for the hydrolytic catalysis of red macroalgal biomass to sugars. RSC Advances, 2016, 6, 33901-33909.	1.7	18
74	Mixed matrix nanofiber as a flow-through membrane adsorber for continuous Li^+ recovery from seawater. Journal of Membrane Science, 2016, 510, 141-154.	4.1	79
75	Induced application of biological waste Escherichia coli functionalized with an amine-based polymer for CO_2 capture. RSC Advances, 2016, 6, 77535-77544.	1.7	2
76	Hierarchical Mesoporous 3D Flower-like $CuCo_2O_4/NF$ for High-Performance Electrochemical Energy Storage. Scientific Reports, 2016, 6, 31120.	1.6	125
77	Template-Free Synthesis and Characterization of Nickel Oxide Nanocrystal with High-Energy Facets in Deep Eutectic Solvent. Journal of Nanoscience and Nanotechnology, 2016, 16, 11009-11013.	0.9	10
78	Liquid-liquid extraction of lithium using lipophilic dibenzo-14-crown-4 ether carboxylic acid in hydrophobic room temperature ionic liquid. Hydrometallurgy, 2016, 164, 362-371.	1.8	48
79	Green solvent ionic liquids: structural directing pioneers for microwave-assisted synthesis of controlled MgO nanostructures. RSC Advances, 2016, 6, 31675-31686.	1.7	28
80	Adsorptive Li^+ mining from liquid resources by H_2TiO_3 : Equilibrium, kinetics, thermodynamics, and mechanisms. Journal of Industrial and Engineering Chemistry, 2016, 35, 347-356.	2.9	99
81	One-pot synthesis of 2,5-diformylfuran from fructose using a magnetic bi-functional catalyst. RSC Advances, 2016, 6, 25678-25688.	1.7	41
82	Density functional theory approach to CO_2 adsorption on a spinel mineral: determination of binding coordination. RSC Advances, 2016, 6, 28607-28611.	1.7	8
83	Effect of anion type of imidazolium based polymer supported ionic liquids on the solvent free synthesis of cycloaddition of CO_2 into epoxide. Catalysis Today, 2016, 265, 56-67.	2.2	87
84	Self-assembled hierarchical 3D NiO microspheres with ultra-thin porous nanoflakes for lithium-ion batteries. Journal of Power Sources, 2016, 302, 13-21.	4.0	79
85	Synthesis and Characterization of $AlCl_3$ Impregnated Molybdenum Oxide as Heterogeneous Nano-Catalyst for the Friedel-Crafts Acylation Reaction in Ambient Condition. Journal of Nanoscience and Nanotechnology, 2015, 15, 8243-8250.	0.9	10
86	Organic radical functionalized SBA-15 as a heterogeneous catalyst for facile oxidation of 5-hydroxymethylfurfural to 2,5-diformylfuran. Journal of Molecular Catalysis A, 2015, 404-405, 106-114.	4.8	27
87	Synthesis of a dual-templated $MgO-Al_2O_3$ adsorbent using block copolymer and ionic liquid for CO_2 capture. Chemical Engineering Journal, 2015, 270, 411-417.	6.6	21
88	Exceptional CO_2 working capacity in a heterodiamine-grafted metal-organic framework. Chemical Science, 2015, 6, 3697-3705.	3.7	127
89	Esterification of carboxylic acids with alkyl halides using imidazolium based dicationic ionic liquids containing bis-trifluoromethane sulfonimide anions at room temperature. RSC Advances, 2015, 5, 26197-26208.	1.7	28
90	Homodiamine-functionalized metal-organic frameworks with a MOF-74-type extended structure for superior selectivity of CO_2 over N_2 . Journal of Materials Chemistry A, 2015, 3, 19177-19185.	5.2	75

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91	Synthesis and characterization of multi-walled carbon nanotubes-supported dibenzo-14-crown-4 ether with proton ionizable carboxyl sidearm as Li ⁺ adsorbents. <i>Chemical Engineering Journal</i> , 2015, 264, 89-98.	6.6	56
92	Liquid-liquid extraction of Li ⁺ using mixed ion carrier system at room temperature ionic liquid. <i>Desalination and Water Treatment</i> , 2015, 53, 2774-2781.	1.0	23
93	High Temperature Carbon Dioxide Capture on Nano-Structured MgO-Al ₂ O ₃ and CaO-Al ₂ O ₃ ; Adsorbents: An Experimental and Theoretical Study. <i>Journal of Nanoscience and Nanotechnology</i> , 2014, 14, 8531-8538.	0.9	19
94	Blended ionic liquid systems for macroalgae pretreatment. <i>Renewable Energy</i> , 2014, 66, 596-604.	4.3	32
95	Activated carbon aerogel containing graphene as electrode material for supercapacitor. <i>Materials Research Bulletin</i> , 2014, 50, 240-245.	2.7	50
96	Elevated temperature CO ₂ capture on nano-structured MgO-Al ₂ O ₃ aerogel: Effect of Mg/Al molar ratio. <i>Chemical Engineering Journal</i> , 2014, 242, 357-363.	6.6	87
97	Metal-free mild oxidation of 5-hydroxymethylfurfural to 2,5-diformylfuran. <i>Korean Journal of Chemical Engineering</i> , 2014, 31, 1362-1367.	1.2	27
98	Recyclable composite nanofiber adsorbent for Li ⁺ recovery from seawater desalination retentate. <i>Chemical Engineering Journal</i> , 2014, 254, 73-81.	6.6	150
99	Hydrogen production by steam reforming of ethanol over mesoporous Ni-Al ₂ O ₃ -ZrO ₂ aerogel catalyst. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 15119-15127.	3.8	31
100	Hydrogen production by steam reforming of ethanol over mesoporous Ni-Al ₂ O ₃ -ZrO ₂ xerogel catalysts: Effect of nickel content. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 8285-8292.	3.8	40
101	Hydrogen production by steam reforming of ethanol over mesoporous Ni-Al ₂ O ₃ -ZrO ₂ xerogel catalysts: Effect of Zr/Al molar ratio. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 1376-1383.	3.8	38
102	Hydrogen production by steam reforming of liquefied natural gas (LNG) over trimethylbenzene-assisted ordered mesoporous nickel-alumina catalyst. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 8751-8758.	3.8	27
103	Methanation of carbon dioxide over mesoporous Ni-Fe-Al ₂ O ₃ catalysts prepared by a coprecipitation method: Effect of precipitation agent. <i>Journal of Industrial and Engineering Chemistry</i> , 2013, 19, 2016-2021.	2.9	82
104	Hydrogen production by steam reforming of liquefied natural gas (LNG) over mesoporous nickel-alumina aerogel catalysts prepared by a single-step carbon-templating sol-gel method. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 11208-11217.	3.8	18
105	Hydrogen production by steam reforming of liquefied natural gas (LNG) over ordered mesoporous nickel-alumina catalyst. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 17967-17977.	3.8	43
106	Hydrogen production by steam reforming of liquefied natural gas (LNG) over mesoporous Ni-Al ₂ O ₃ aerogel catalyst prepared by a single-step epoxide-driven sol-gel method. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 1436-1443.	3.8	27
107	Hydrogenation of succinic acid to Î ³ -butyrolactone (GBL) over palladium catalyst supported on alumina xerogel: Effect of acid density of the catalyst. <i>Journal of Industrial and Engineering Chemistry</i> , 2011, 17, 316-320.	2.9	50
108	Preparation and performance of cobalt-doped carbon aerogel for supercapacitor. <i>Korean Journal of Chemical Engineering</i> , 2011, 28, 492-496.	1.2	12

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109	Nano-sized metal-doped carbon aerogel for pseudo-capacitive supercapacitor. <i>Current Applied Physics</i> , 2011, 11, 631-635.	1.1	29
110	Hydrogen production by steam reforming of simulated liquefied natural gas (LNG) over mesoporous nickel–alumina (M=Ni, Ce, La, Y, Cs, Fe, Co, and Mg) aerogel catalysts. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 3505-3514.	3.8	21
111	Hydrogen production by steam reforming of liquefied natural gas (LNG) over mesoporous Ni–Al ₂ O ₃ aerogel catalysts: Effect of La content. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 8307-8315.	3.8	62
112	Methane production from carbon monoxide and hydrogen over nickel–alumina xerogel catalyst: Effect of nickel content. <i>Journal of Industrial and Engineering Chemistry</i> , 2011, 17, 154-157.	2.9	90
113	Pd catalyst supported on SiO ₂ –Al ₂ O ₃ xerogel for hydrocracking of paraffin wax to middle distillate. <i>Journal of Industrial and Engineering Chemistry</i> , 2011, 17, 310-315.	2.9	21
114	Acidity and acid catalysis of polyatom-substituted H _n PW ₁₁ M ₁₀ O ₄₀ (M=V, Nb, Ta, and W) Keggin heteropolyacid catalysts. <i>Korean Journal of Chemical Engineering</i> , 2010, 27, 465-468.	1.2	5
115	Production of middle distillate through hydrocracking of paraffin wax over Pd _{0.15} Cs _x H _{2.7} x PW ₁₂ O ₄₀ catalysts: Effect of cesium content and surface acidity. <i>Korean Journal of Chemical Engineering</i> , 2010, 27, 807-811.	1.2	5
116	Hydrogenation of Succinic Acid to γ -Butyrolactone over Palladium Catalyst Supported on Mesoporous Alumina Xerogel. <i>Catalysis Letters</i> , 2010, 138, 28-33.	1.4	27
117	Mesoporous Nickel–Alumina Catalysts for Hydrogen Production by Steam Reforming of Liquefied Natural Gas (LNG). <i>Catalysis Surveys From Asia</i> , 2010, 14, 1-10.	1.0	10
118	Support Modification of Supported Nickel Catalysts for Hydrogen Production by Auto-thermal Reforming of Ethanol. <i>Catalysis Surveys From Asia</i> , 2010, 14, 55-63.	1.0	10
119	Deactivation behaviors of hybrid Fischer–Tropsch catalysts in the production of middle distillate from synthesis gas in a dual-bed reactor. <i>Research on Chemical Intermediates</i> , 2010, 36, 685-692.	1.3	4
120	Effect of calcination temperature of mesoporous nickel–alumina catalysts on their catalytic performance in hydrogen production by steam reforming of liquefied natural gas (LNG). <i>Journal of Industrial and Engineering Chemistry</i> , 2010, 16, 795-799.	2.9	31
121	Production of middle distillate through hydrocracking of paraffin wax over Pd/SiO ₂ –Al ₂ O ₃ catalysts. <i>Journal of Industrial and Engineering Chemistry</i> , 2010, 16, 790-794.	2.9	18
122	Hydrogen production by auto-thermal reforming of ethanol over nickel catalyst supported on metal oxide-stabilized zirconia. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 3490-3498.	3.8	28
123	Hydrogen production by steam reforming of liquefied natural gas (LNG) over mesoporous nickel–alumina aerogel catalyst. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 6738-6746.	3.8	37
124	Effect of Ni/Al atomic ratio of mesoporous Ni–Al ₂ O ₃ aerogel catalysts on their catalytic activity for hydrogen production by steam reforming of liquefied natural gas (LNG). <i>International Journal of Hydrogen Energy</i> , 2010, 35, 12174-12181.	3.8	26
125	Hydrogen production by auto-thermal reforming of ethanol over nickel catalysts supported on metal oxides: Effect of support acidity. <i>Applied Catalysis B: Environmental</i> , 2010, 98, 57-64.	10.8	60
126	Hydrogen Production by Steam Reforming of Liquefied Natural Gas over Mesoporous Ni–Al ₂ O ₃ Catalysts Prepared by a Co-Precipitation Method: Effect of Ni/Al Atomic Ratio. <i>Catalysis Letters</i> , 2009, 130, 410-416.	1.4	20

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127	Effect of Calcination Temperature on the Catalytic Performance of γ -Bi ₂ MoO ₆ in the Oxidative Dehydrogenation of n-Butene to 1,3-Butadiene. <i>Catalysis Letters</i> , 2009, 131, 401-405.	1.4	14
128	Redox Properties and Catalytic Oxidation Activities of Polyatom-Substituted H n PW11M1O40 (M=V, Nb, Ta) Tj ETQq0 0 0 rgBT /Overlo	1.4	18
129	Preparation and Oxidation Catalysis of H ₅ PMo ₁₀ V ₂ O ₄₀ Catalyst Immobilized on Nitrogen-Containing Spherical Carbon. <i>Catalysis Letters</i> , 2009, 132, 377-382.	1.4	10
130	Hydrogen Production by Steam Reforming of Liquefied Natural Gas Over Mesoporous Ni-Al ₂ O ₃ Composite Catalyst Prepared by a Single-step Non-ionic Surfactant-templating Method. <i>Catalysis Letters</i> , 2009, 132, 395-401.	1.4	17
131	Production of Middle Distillate Through Hydrocracking of Paraffin Wax Over NiMo/SiO ₂ -Al ₂ O ₃ Catalysts: Effect of Solvent in the Preparation of SiO ₂ -Al ₂ O ₃ by a Sol-Gel Method. <i>Catalysis Letters</i> , 2009, 132, 410-416.	1.4	9
132	Production of Middle Distillate from Synthesis Gas in a Dual-bed Reactor Through Hydrocracking of Wax Over Mesoporous Pd-Al ₂ O ₃ Composite Catalyst. <i>Catalysis Letters</i> , 2009, 130, 192-197.	1.4	15
133	Direct Synthesis of Hydrogen Peroxide from Hydrogen and Oxygen Over Palladium Catalysts Supported on SO ₃ H-Functionalized SiO ₂ and TiO ₂ . <i>Catalysis Letters</i> , 2009, 130, 604-607.	1.4	20
134	Hydrogen production by steam reforming of liquefied natural gas (LNG) over nickel catalyst supported on mesoporous alumina prepared by a non-ionic surfactant-templating method. <i>International Journal of Hydrogen Energy</i> , 2009, 34, 1809-1817.	3.8	49
135	Hydrogen production by steam reforming of liquefied natural gas (LNG) over Ni/Al ₂ O ₃ -ZrO ₂ xerogel catalysts: Effect of calcination temperature of Al ₂ O ₃ -ZrO ₂ xerogel supports. <i>International Journal of Hydrogen Energy</i> , 2009, 34, 3755-3763.	3.8	62
136	Effect of preparation method of mesoporous Ni-Al ₂ O ₃ catalysts on their catalytic activity for hydrogen production by steam reforming of liquefied natural gas (LNG). <i>International Journal of Hydrogen Energy</i> , 2009, 34, 5409-5416.	3.8	31
137	Hydrogen production by auto-thermal reforming of ethanol over nickel catalyst supported on mesoporous yttria-stabilized zirconia. <i>International Journal of Hydrogen Energy</i> , 2009, 34, 5390-5397.	3.8	29
138	Hydrogen production by steam reforming of liquefied natural gas (LNG) over Ni-Al ₂ O ₃ catalysts prepared by a sequential precipitation method: Effect of precipitation agent. <i>International Journal of Hydrogen Energy</i> , 2009, 34, 8053-8060.	3.8	14
139	Hydrogen production by steam reforming of liquefied natural gas (LNG) over nickel catalysts supported on cationic surfactant-templated mesoporous aluminas. <i>Journal of Power Sources</i> , 2009, 186, 178-184.	4.0	24
140	Hydrogen production by auto-thermal reforming of ethanol over Ni-Ti-Zr metal oxide catalysts. <i>Renewable Energy</i> , 2009, 34, 731-735.	4.3	14
141	Hydrogen production by auto-thermal reforming of ethanol over Ni catalyst supported on ZrO ₂ prepared by a sol-gel method: Effect of H ₂ O/P123 mass ratio in the preparation of ZrO ₂ . <i>Catalysis Today</i> , 2009, 146, 57-62.	2.2	24
142	Hydrogen production by steam reforming of liquefied natural gas (LNG) over mesoporous nickel-alumina composite catalyst prepared by an anionic surfactant-templating method. <i>Catalysis Today</i> , 2009, 146, 44-49.	2.2	28
143	Effect of calcination temperature of alumina supports on the wax hydrocracking performance of Pd-loaded mesoporous alumina xerogel catalysts for the production of middle distillate. <i>Chemical Engineering Journal</i> , 2009, 146, 307-314.	6.6	32
144	Epoxidation of Propylene with Hydrogen Peroxide Over TS-1 Catalyst Synthesized in the Presence of Polystyrene. <i>Catalysis Letters</i> , 2008, 122, 349-353.	1.4	20

#	ARTICLE	IF	CITATIONS
145	Effect of Al ₂ O ₃ -ZrO ₂ xerogel support on hydrogen production by steam reforming of LNG over Ni/Al ₂ O ₃ -ZrO ₂ catalyst. Korean Journal of Chemical Engineering, 2008, 25, 41-45.	1.2	76
146	Hydrogen production by steam reforming of LNG over Ni/Al ₂ O ₃ -ZrO ₂ catalysts: Effect of ZrO ₂ and preparation method of Al ₂ O ₃ -ZrO ₂ . Korean Journal of Chemical Engineering, 2008, 25, 95-98.	1.2	37
147	Effect of support on hydrogen production by auto-thermal reforming of ethanol over supported nickel catalysts. Korean Journal of Chemical Engineering, 2008, 25, 236-238.	1.2	46
148	Production of middle distillate in a dual-bed reactor from synthesis gas through wax cracking: Effect of acid property of Pd-loaded solid acid catalysts on the wax conversion and middle distillate selectivity. Applied Catalysis B: Environmental, 2008, 83, 195-201.	10.8	35
149	Preparation of Ni/Al ₂ O ₃ -ZrO ₂ catalysts and their application to hydrogen production by steam reforming of LNG: Effect of ZrO ₂ content grafted on Al ₂ O ₃ . Catalysis Today, 2008, 138, 130-134.	2.2	27
150	Hydrogen production by steam reforming of liquefied natural gas (LNG) over mesoporous nickel-alumina xerogel catalysts: Effect of nickel content. Chemical Engineering Journal, 2008, 141, 298-304.	6.6	51
151	Hydrogen production by auto-thermal reforming of ethanol over nickel catalysts supported on Ce-modified mesoporous zirconia: Effect of Ce/Zr molar ratio. International Journal of Hydrogen Energy, 2008, 33, 5052-5059.	3.8	58
152	Effect of calcination temperature of mesoporous alumina xerogel (AX) supports on hydrogen production by steam reforming of liquefied natural gas (LNG) over Ni/AX catalysts. International Journal of Hydrogen Energy, 2008, 33, 7427-7434.	3.8	36
153	Hydrogen production by auto-thermal reforming of ethanol over Ni catalysts supported on ZrO ₂ : Effect of preparation method of ZrO ₂ support. International Journal of Hydrogen Energy, 2008, 33, 7457-7463.	3.8	30
154	Role and effect of molybdenum on the performance of Ni-Mo/Al ₂ O ₃ catalysts in the hydrogen production by auto-thermal reforming of ethanol. Journal of Molecular Catalysis A, 2007, 261, 276-281.	4.8	80
155	Hydrogen production by steam reforming of LNG over Ni/Al ₂ O ₃ -ZrO ₂ catalysts: Effect of Al ₂ O ₃ -ZrO ₂ supports prepared by a grafting method. Journal of Molecular Catalysis A, 2007, 268, 9-14.	4.8	52
156	Effect of SiO ₂ -ZrO ₂ supports prepared by a grafting method on hydrogen production by steam reforming of liquefied natural gas over Ni/SiO ₂ -ZrO ₂ catalysts. Journal of Power Sources, 2007, 168, 251-257.	4.0	20
157	Hydrogen production by steam reforming of liquefied natural gas over a nickel catalyst supported on mesoporous alumina xerogel. Journal of Power Sources, 2007, 173, 943-949.	4.0	32
158	Hydrogen production by auto-thermal reforming of ethanol over Ni/Al ₂ O ₃ catalysts: Effect of second metal addition. Journal of Power Sources, 2006, 162, 1270-1274.	4.0	50