

Yongju Bang

List of Publications by Year in descending order

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27
papers

975
citations

394421

19
h-index

526287

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g-index

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docs citations

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times ranked

1268
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	12.7	87
2	Hydrogenation of succinic acid to 1,4-butanediol over Re-Ru bimetallic catalysts supported on mesoporous carbon. <i>Applied Catalysis A: General</i> , 2015, 490, 153-162.	4.3	85
3	Hydrogen production by steam reforming of liquefied natural gas (LNG) over mesoporous Ni/Al ₂ O ₃ catalyst prepared by an EDTA-assisted impregnation method. <i>Applied Catalysis B: Environmental</i> , 2016, 180, 179-188.	20.2	71
4	Hydrogen production by steam reforming of liquefied natural gas (LNG) over mesoporous Ni-La-Al ₂ O ₃ aerogel catalysts: Effect of La content. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 8307-8315.	7.1	62
5	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.	20.2	60
6	Hydrogen production by steam reforming of simulated liquefied natural gas (LNG) over nickel catalyst supported on mesoporous phosphorus-modified alumina xerogel. <i>Applied Catalysis B: Environmental</i> , 2014, 148-149, 269-280.	20.2	50
7	Activated carbon aerogel containing graphene as electrode material for supercapacitor. <i>Materials Research Bulletin</i> , 2014, 50, 240-245.	5.2	50
8	Hydrogen production by tri-reforming of methane over nickel-alumina aerogel catalyst. <i>Journal of Molecular Catalysis A</i> , 2015, 410, 74-80.	4.8	45
9	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.	7.1	43
10	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.	7.1	40
11	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.	7.1	38
12	Dehydration of glycerin to acrolein over H ₃ PW ₁₂ O ₄₀ heteropolyacid catalyst supported on silica-alumina. <i>Journal of Molecular Catalysis A</i> , 2015, 396, 282-289.	4.8	33
13	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.	7.1	31
14	Hydrogen production by steam reforming of ethanol over mesoporous Cu-Ni-Al ₂ O ₃ -ZrO ₂ xerogel catalysts. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 2554-2563.	7.1	31
15	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.	7.1	27
16	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.	7.1	27
17	Hydrogen production by steam reforming of ethanol over P123-assisted mesoporous Ni-Al ₂ O ₃ -ZrO ₂ xerogel catalysts. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 10445-10453.	7.1	27
18	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.	7.1	26

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19	Hydrogen production by steam reforming of simulated liquefied natural gas (LNG) over mesoporous nickel- γ -alumina (M=Ni, Ce, La, Y, Cs, Fe, Co, and Mg) aerogel catalysts. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 3505-3514.	7.1	21
20	Synthesis of a dual-templated MgO- γ - Al_2O_3 adsorbent using block copolymer and ionic liquid for CO ₂ capture. <i>Chemical Engineering Journal</i> , 2015, 270, 411-417.	12.7	21
21	Hydrogen production by steam reforming of liquefied natural gas (LNG) over mesoporous nickel- γ -alumina aerogel catalysts prepared by a single-step carbon-templating sol-gel method. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 11208-11217.	7.1	18
22	Hydrogen production by steam reforming of liquefied natural gas (LNG) over mesoporous nickel-iron- γ -alumina catalyst. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 5869-5877.	7.1	18
23	Hydrogen production by steam reforming of ethanol over dual-templated Ni- γ - Al_2O_3 catalyst. <i>Catalysis Today</i> , 2016, 265, 103-110.	4.4	18
24	Hydrogen production by steam reforming of liquefied natural gas (LNG) over mesoporous nickel-phosphorus- γ -alumina aerogel catalyst. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 4909-4916.	7.1	16
25	Hydrogen production by steam reforming of liquefied natural gas (LNG) over mesoporous alkaline earth metal-promoted nickel-alumina xerogel catalysts. <i>Journal of Molecular Catalysis A</i> , 2013, 380, 28-33.	4.8	12
26	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.	2.6	10
27	Preparation, characterization, and oxidation catalysis of H ₃ PMo ₁₂ O ₄₀ heteropolyacid catalyst immobilized on carbon aerogel. <i>Korean Journal of Chemical Engineering</i> , 2011, 28, 79-83.	2.7	8