

Jong Shik Chung

List of Publications by Year in descending order

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49
papers

1,567
citations

236925

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49
docs citations

49
times ranked

1837
citing authors

#	ARTICLE	IF	CITATIONS
1	n-Dodecane steam reforming over Ni catalysts supported on ZrO ₂ -KNbO ₃ . Journal of Power Sources, 2020, 479, 228834.	7.8	5
2	Ru-doped barium strontium titanates of the cathode for the electrochemical synthesis of ammonia. Solid State Ionics, 2019, 339, 115010.	2.7	17
3	Catalytic combustion of SOFC stack flue gas over CuO and Mn ₂ O ₃ supported by La _{0.8} Sr _{0.2} Mn _{0.67} Cu _{0.33} O ₃ perovskite. AIChE Journal, 2018, 64, 940-949.	3.6	5
4	In situ preparation of a La _{1.2} Sr _{0.8} Mn _{0.4} Fe _{0.6} O ₄ Ruddlesden-Popper phase with exsolved Fe nanoparticles as an anode for SOFCs. Journal of Materials Chemistry A, 2017, 5, 6437-6446.	10.3	89
5	Characteristics of rumen microorganisms involved in anaerobic degradation of cellulose at various pH values. RSC Advances, 2017, 7, 40303-40310.	3.6	58
6	Steam reforming of n-dodecane over K ₂ Ti ₂ O ₅ -added Ni-alumina and Ni-zirconia (YSZ) catalysts. International Journal of Hydrogen Energy, 2016, 41, 17922-17932.	7.1	14
7	Cathodic bacterial community structure applying the different co-substrates for reductive decolorization of Alizarin Yellow R. Bioresource Technology, 2016, 208, 64-72.	9.6	38
8	Ru-doped lanthanum strontium titanates for the anode of solid oxide fuel cells. International Journal of Hydrogen Energy, 2015, 40, 10985-10993.	7.1	31
9	A horizontal plug-flow baffled bioelectrocatalyzed reactor for the reductive decolorization of Alizarin Yellow R. Bioresource Technology, 2015, 195, 73-77.	9.6	16
10	Additive effect of Ce, Mo and K to nickel-cobalt aluminate supported solid oxide fuel cell for direct internal reforming of methane. Korean Journal of Chemical Engineering, 2014, 31, 29-36.	2.7	0
11	Bi _{1.78} Ca ₂ Co _{1.63} O _{6.65} cathode with low thermal expansion coefficient for intermediate temperature-solid oxide fuel cells. Electrochemistry Communications, 2013, 37, 45-48.	4.7	2
12	Preparation and evaluation of Ca _{3-x} BixCo ₄ O _{9-y} (0 ≤ x ≤ 0.5) as novel cathodes for intermediate temperature-solid oxide fuel cells. International Journal of Hydrogen Energy, 2012, 37, 8592-8602.	7.1	32
13	Synthesis of LSM-YSZ-GDC dual composite SOFC cathodes for high-performance power-generation systems. Journal of Applied Electrochemistry, 2012, 42, 209-215.	2.9	13
14	Promoted Soot Oxidation by Doped K ₂ Ti ₂ O ₅ Catalysts and NO Oxidation Catalysts. Industrial & Engineering Chemistry Research, 2011, 50, 8384-8388.	3.7	30
15	Electrochemical behavior of Ba _{0.5} Sr _{0.5} Co _{0.2x} ZnxFe _{0.8} O _{3-x} (x = 0.2) perovskite oxides for the cathode of solid oxide fuel cells. International Journal of Hydrogen Energy, 2011, 36, 6184-6193.	7.1	30
16	Characterization and activity correlations of Pt bimetallic catalysts for low temperature fuel cells. International Journal of Hydrogen Energy, 2011, 36, 4007-4014.	7.1	23
17	Synthesis and evaluation of nano-size lanthanum strontium manganite-yttria-stabilized zirconia composite powders as cathodes for solid oxide fuel cells. Journal of Power Sources, 2010, 195, 4593-4599.	7.8	12
18	Preparation and catalytic activity of K ₄ Zr ₅ O ₁₂ for the oxidation of soot from vehicle engine emissions. Journal of Industrial and Engineering Chemistry, 2010, 16, 68-73.	5.8	20

#	ARTICLE	IF	CITATIONS
19	Sulfur Poisoning and Regeneration of NO _x Storage [~] Reduction Cu/K ₂ Ti ₂ O ₅ Catalyst. Industrial & Engineering Chemistry Research, 2010, 49, 7330-7335.	3.7	12
20	Formation and structural characterization of potassium titanates and the potassium ion exchange property. Materials Research Bulletin, 2009, 44, 1973-1977.	5.2	39
21	Degradation mechanism of electrocatalyst during long-term operation of PEMFC. International Journal of Hydrogen Energy, 2009, 34, 8974-8981.	7.1	102
22	NO _x storage and reduction over Cu/K ₂ Ti ₂ O ₅ in a wide temperature range: Activity, characterization, and mechanism. Applied Catalysis A: General, 2009, 358, 59-64.	4.3	23
23	Thermally stable Pt/K ₂ Ti ₂ O ₅ as high-temperature NO _x storage and reduction catalyst. Applied Catalysis B: Environmental, 2009, 89, 97-103.	20.2	30
24	Molecular NO ₂ induced K ₂ Ti ₂ O ₅ →K ₂ Ti ₆ O ₁₃ structure switching in the dry gas phase: lattice potassium reactivity. Chemical Communications, 2009, , 5284.	4.1	15
25	Dissolution and migration of platinum after long-term operation of a polymer electrolyte fuel cell under various conditions. Journal of Power Sources, 2008, 183, 524-532.	7.8	75
26	Ni and metal aluminate mixtures for solid oxide fuel cell anode supports. Journal of Power Sources, 2008, 185, 633-640.	7.8	11
27	Co/K _x Ti ₂ O ₅ catalysts prepared by ion exchange method for NO oxidation to NO ₂ . Applied Catalysis B: Environmental, 2008, 79, 101-107.	20.2	45
28	Activity, stability and characterization of NO oxidation catalyst Co/K _x Ti ₂ O ₅ . Applied Catalysis B: Environmental, 2008, 85, 10-16.	20.2	30
29	Biodegradation of thiocyanate in biofilm reactor using fluidized-carriers. Process Biochemistry, 2006, 41, 701-707.	3.7	45
30	Wire-mesh honeycomb catalysts for selective catalytic reduction of NO with NH ₃ . Korean Journal of Chemical Engineering, 2006, 23, 888-895.	2.7	13
31	Biokinetics on simultaneous biofiltration of H ₂ S, NH ₃ and toluene in waste air. Korean Journal of Chemical Engineering, 2006, 23, 428-434.	2.7	3
32	Photocatalytic Degradation of Toluene Using a Novel Flow Reactor with Fe-doped TiO ₂ Catalyst on Porous Nickel Sheets [~] . Photochemistry and Photobiology, 2005, 81, 352-357.	2.5	2
33	Evaluation of wire-mesh honeycomb containing porous Al/Al ₂ O ₃ layer for catalytic combustion of ethyl acetate in air. Catalysis Today, 2004, 97, 159-165.	4.4	28
34	Removal of Sulfur Fume by Reactive Absorption Using Cobalt-Containing Absorbents. Industrial & Engineering Chemistry Research, 2004, 43, 5318-5325.	3.7	4
35	Life cycle assessment through on-line database linked with various enterprise database systems. International Journal of Life Cycle Assessment, 2003, 8, 226.	4.7	6
36	Electrophoretically Al-coated wire mesh and its application for catalytic oxidation of 1,2-dichlorobenzene. Surface and Coatings Technology, 2003, 168, 103-110.	4.8	48

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37	Long-Term Operation of a Biofilter for Simultaneous Removal of H ₂ S and NH ₃ . Journal of the Air and Waste Management Association, 2002, 52, 1389-1398.	1.9	60
38	Selective oxidation of H ₂ S to elemental sulfur over VOx/SiO ₂ and V ₂ O ₅ catalysts. Applied Catalysis A: General, 2001, 211, 213-225.	4.3	63
39	Selective oxidation of H ₂ S to elemental sulfur over chromium oxide catalysts. Applied Catalysis B: Environmental, 1999, 22, 293-303.	20.2	76
40	Title is missing!. Catalysis Letters, 1998, 53, 199-203.	2.6	8
41	Selective oxidation of H ₂ S to elemental sulfur over TiO ₂ /SiO ₂ catalysts. Applied Catalysis B: Environmental, 1998, 16, 235-243.	20.2	104
42	Reduction of SO ₂ by CO to elemental sulfur over Co ₃ O ₄ /TiO ₂ catalysts. Applied Catalysis B: Environmental, 1998, 19, 233-243.	20.2	83
43	Selective removal of H ₂ S from coke oven gas. Catalysis Today, 1998, 44, 73-79.	4.4	30
44	Catalytic fluorination of HCFC-133a (1,1,1-trifluoro-2-chloroethane). Korean Journal of Chemical Engineering, 1997, 14, 502-506.	2.7	4
45	The catalytic reduction of SO ₂ to elemental sulfur with H ₂ or CO. Catalysis Today, 1997, 38, 193-198.	4.4	45
46	Active and selective copper catalysts supported on alkali-doped silica for the dehydrogenation of cyclohexanol to cyclohexanone. Korean Journal of Chemical Engineering, 1995, 12, 132-133.	2.7	5
47	The morphological and surface properties and their relationship with oxygen reduction activity for platinum-iron electrocatalysts. Electrochimica Acta, 1993, 38, 2715-2723.	5.2	72
48	Surface and Catalytic Properties of Iron-Platinum/Carbon Electrocatalysts for Cathodic Oxygen Reduction in PAFC. Journal of the Electrochemical Society, 1993, 140, 31-36.	2.9	40
49	Acid-Base and Catalytic Properties of Metal Compounds in the Preparation of Polyethylene	0.3	11