

# Jong Shik Chung

## List of Publications by Year in descending order

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49  
papers

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citations

236925

25  
h-index

302126

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all docs

49  
docs citations

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times ranked

1837  
citing authors

#	ARTICLE	IF	CITATIONS
1	Selective oxidation of H <sub>2</sub> S to elemental sulfur over TiO <sub>2</sub> /SiO <sub>2</sub> catalysts. Applied Catalysis B: Environmental, 1998, 16, 235-243.	20.2	104
2	Degradation mechanism of electrocatalyst during long-term operation of PEMFC. International Journal of Hydrogen Energy, 2009, 34, 8974-8981.	7.1	102
3	In situ preparation of a La <sub>1.2</sub> Sr <sub>0.8</sub> Mn <sub>0.4</sub> Fe <sub>0.6</sub> O <sub>4</sub> Ruddlesden-Popper phase with exsolved Fe nanoparticles as an anode for SOFCs. Journal of Materials Chemistry A, 2017, 5, 6437-6446.	10.3	89
4	Reduction of SO <sub>2</sub> by CO to elemental sulfur over Co <sub>3</sub> O <sub>4</sub> /TiO <sub>2</sub> catalysts. Applied Catalysis B: Environmental, 1998, 19, 233-243.	20.2	83
5	Selective oxidation of H <sub>2</sub> S to elemental sulfur over chromium oxide catalysts. Applied Catalysis B: Environmental, 1999, 22, 293-303.	20.2	76
6	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
7	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
8	Selective oxidation of H <sub>2</sub> S to elemental sulfur over VO <sub>x</sub> /SiO <sub>2</sub> and V <sub>2</sub> O <sub>5</sub> catalysts. Applied Catalysis A: General, 2001, 211, 213-225.	4.3	63
9	Long-Term Operation of a Biofilter for Simultaneous Removal of H <sub>2</sub> S and NH <sub>3</sub> . Journal of the Air and Waste Management Association, 2002, 52, 1389-1398.	1.9	60
10	Characteristics of rumen microorganisms involved in anaerobic degradation of cellulose at various pH values. RSC Advances, 2017, 7, 40303-40310.	3.6	58
11	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
12	The catalytic reduction of SO <sub>2</sub> to elemental sulfur with H <sub>2</sub> or CO. Catalysis Today, 1997, 38, 193-198.	4.4	45
13	Biodegradation of thiocyanate in biofilm reactor using fluidized-carriers. Process Biochemistry, 2006, 41, 701-707.	3.7	45
14	Co/KxTi <sub>2</sub> O <sub>5</sub> catalysts prepared by ion exchange method for NO oxidation to NO <sub>2</sub> . Applied Catalysis B: Environmental, 2008, 79, 101-107.	20.2	45
15	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
16	Formation and structural characterization of potassium titanates and the potassium ion exchange property. Materials Research Bulletin, 2009, 44, 1973-1977.	5.2	39
17	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
18	Preparation and evaluation of Ca <sub>3-x</sub> BixCo <sub>4</sub> O <sub>9</sub> (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

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19	Ru-doped lanthanum strontium titanates for the anode of solid oxide fuel cells. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 10985-10993.	7.1	31
20	Selective removal of H <sub>2</sub> S from coke oven gas. <i>Catalysis Today</i> , 1998, 44, 73-79.	4.4	30
21	Activity, stability and characterization of NO oxidation catalyst Co/K <sub>x</sub> Ti <sub>2</sub> O <sub>5</sub> . <i>Applied Catalysis B: Environmental</i> , 2008, 85, 10-16.	20.2	30
22	Thermally stable Pt/K <sub>2</sub> Ti <sub>2</sub> O <sub>5</sub> as high-temperature NO <sub>x</sub> storage and reduction catalyst. <i>Applied Catalysis B: Environmental</i> , 2009, 89, 97-103.	20.2	30
23	Promoted Soot Oxidation by Doped K <sub>2</sub> Ti <sub>2</sub> O <sub>5</sub> Catalysts and NO Oxidation Catalysts. <i>Industrial &amp; Engineering Chemistry Research</i> , 2011, 50, 8384-8388.	3.7	30
24	Electrochemical behavior of Ba <sub>0.5</sub> Sr <sub>0.5</sub> Co <sub>0.2</sub> <sup>x</sup> Zn <sub>x</sub> Fe <sub>0.8</sub> O <sub>3-<math>\delta</math></sub> (x=0.2) perovskite oxides for the cathode of solid oxide fuel cells. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 6184-6193.	7.1	30
25	Evaluation of wire-mesh honeycomb containing porous Al/Al <sub>2</sub> O <sub>3</sub> layer for catalytic combustion of ethyl acetate in air. <i>Catalysis Today</i> , 2004, 97, 159-165.	4.4	28
26	NO <sub>x</sub> storage and reduction over Cu/K <sub>2</sub> Ti <sub>2</sub> O <sub>5</sub> in a wide temperature range: Activity, characterization, and mechanism. <i>Applied Catalysis A: General</i> , 2009, 358, 59-64.	4.3	23
27	Characterization and activity correlations of Pt bimetallic catalysts for low temperature fuel cells. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 4007-4014.	7.1	23
28	Preparation and catalytic activity of K <sub>4</sub> Zr <sub>5</sub> O <sub>12</sub> for the oxidation of soot from vehicle engine emissions. <i>Journal of Industrial and Engineering Chemistry</i> , 2010, 16, 68-73.	5.8	20
29	Ru-doped barium strontium titanates of the cathode for the electrochemical synthesis of ammonia. <i>Solid State Ionics</i> , 2019, 339, 115010.	2.7	17
30	A horizontal plug-flow baffled bioelectrocatalyzed reactor for the reductive decolorization of Alizarin Yellow R. <i>Bioresource Technology</i> , 2015, 195, 73-77.	9.6	16
31	Molecular NO <sub>2</sub> induced K <sub>2</sub> Ti <sub>2</sub> O <sub>5</sub> →K <sub>2</sub> Ti <sub>6</sub> O <sub>13</sub> structure switching in the dry gas phase: lattice potassium reactivity. <i>Chemical Communications</i> , 2009, , 5284.	4.1	15
32	Steam reforming of n-dodecane over K <sub>2</sub> Ti <sub>2</sub> O <sub>5</sub> -added Ni-alumina and Ni-zirconia (YSZ) catalysts. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 17922-17932.	7.1	14
33	Wire-mesh honeycomb catalysts for selective catalytic reduction of NO with NH <sub>3</sub> . <i>Korean Journal of Chemical Engineering</i> , 2006, 23, 888-895.	2.7	13
34	Synthesis of LSM→YSZ→GDC dual composite SOFC cathodes for high-performance power-generation systems. <i>Journal of Applied Electrochemistry</i> , 2012, 42, 209-215.	2.9	13
35	Synthesis and evaluation of nano-size lanthanum strontium manganite→yttria-stabilized zirconia composite powders as cathodes for solid oxide fuel cells. <i>Journal of Power Sources</i> , 2010, 195, 4593-4599.	7.8	12
36	Sulfur Poisoning and Regeneration of NO <sub>x</sub> Storage→Reduction Cu/K <sub>2</sub> Ti <sub>2</sub> O <sub>5</sub> Catalyst. <i>Industrial &amp; Engineering Chemistry Research</i> , 2010, 49, 7330-7335.	3.7	12

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37	Acid-Base and Catalytic Properties of Metal Compounds in the Preparation of Polyethylene	0.3	11
38	Ni and metal aluminate mixtures for solid oxide fuel cell anode supports. Journal of Power Sources, 2008, 185, 633-640.	7.8	11
39	Title is missing!. Catalysis Letters, 1998, 53, 199-203.	2.6	8
40	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
41	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
42	Catalytic combustion of SOFC stack flue gas over CuO and Mn <sub>2</sub> O <sub>3</sub> supported by La <sub>0.8</sub> Sr <sub>0.2</sub> Mn <sub>0.67</sub> Cu <sub>0.33</sub> O <sub>3</sub> perovskite. AICHE Journal, 2018, 64, 940-949.	3.6	5
43	n-Dodecane steam reforming over Ni catalysts supported on ZrO <sub>2</sub> -KNbO <sub>3</sub> . Journal of Power Sources, 2020, 479, 228834.	7.8	5
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	Removal of Sulfur Fume by Reactive Absorption Using Cobalt-Containing Absorbents. Industrial & Engineering Chemistry Research, 2004, 43, 5318-5325.	3.7	4
46	Biokinetics on simultaneous biofiltration of H <sub>2</sub> S, NH <sub>3</sub> and toluene in waste air. Korean Journal of Chemical Engineering, 2006, 23, 428-434.	2.7	3
47	Photocatalytic Degradation of Toluene Using a Novel Flow Reactor with Fe-doped TiO <sub>2</sub> Catalyst on Porous Nickel Sheets. Photochemistry and Photobiology, 2005, 81, 352-357.	2.5	2
48	Bi <sub>1.78</sub> Ca <sub>2</sub> Co <sub>1.63</sub> O <sub>6.65</sub> cathode with low thermal expansion coefficient for intermediate temperature-solid oxide fuel cells. Electrochemistry Communications, 2013, 37, 45-48.	4.7	2
49	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