

Jung-Ho Wee

List of Publications by Year in descending order

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43
papers

2,011
citations

430874

18
h-index

265206

42
g-index

44
all docs

44
docs citations

44
times ranked

2455
citing authors

#	ARTICLE	IF	CITATIONS
1	Applications of proton exchange membrane fuel cell systems. <i>Renewable and Sustainable Energy Reviews</i> , 2007, 11, 1720-1738.	16.4	514
2	Carbon dioxide capture capacity of sodium hydroxide aqueous solution. <i>Journal of Environmental Management</i> , 2013, 114, 512-519.	7.8	175
3	A review on carbon dioxide capture and storage technology using coal fly ash. <i>Applied Energy</i> , 2013, 106, 143-151.	10.1	152
4	Which type of fuel cell is more competitive for portable application: Direct methanol fuel cells or direct borohydride fuel cells?. <i>Journal of Power Sources</i> , 2006, 161, 1-10.	7.8	149
5	A comparison of sodium borohydride as a fuel for proton exchange membrane fuel cells and for direct borohydride fuel cells. <i>Journal of Power Sources</i> , 2006, 155, 329-339.	7.8	136
6	Sodium borohydride as the hydrogen supplier for proton exchange membrane fuel cell systems. <i>Fuel Processing Technology</i> , 2006, 87, 811-819.	7.2	107
7	Carbon Dioxide Capture Using Calcium Hydroxide Aqueous Solution as the Absorbent. <i>Energy & Fuels</i> , 2011, 25, 3825-3834.	5.1	98
8	Synthesis of calcium carbonate in a pure ethanol and aqueous ethanol solution as the solvent. <i>Journal of Crystal Growth</i> , 2005, 276, 680-687.	1.5	87
9	A feasibility study on direct methanol fuel cells for laptop computers based on a cost comparison with lithium-ion batteries. <i>Journal of Power Sources</i> , 2007, 173, 424-436.	7.8	80
10	Carbon dioxide emission reduction using molten carbonate fuel cell systems. <i>Renewable and Sustainable Energy Reviews</i> , 2014, 32, 178-191.	16.4	69
11	Molten carbonate fuel cell and gas turbine hybrid systems as distributed energy resources. <i>Applied Energy</i> , 2011, 88, 4252-4263.	10.1	55
12	Contribution of fuel cell systems to CO ₂ emission reduction in their application fields. <i>Renewable and Sustainable Energy Reviews</i> , 2010, 14, 735-744.	16.4	50
13	Leaching and indirect mineral carbonation performance of coal fly ash-water solution system. <i>Applied Energy</i> , 2015, 142, 274-282.	10.1	43
14	Effect of cerium addition to Ni-Cr anode electrode for molten carbonate fuel cells: Surface fractal dimensions, wettability and cell performance. <i>Materials Chemistry and Physics</i> , 2007, 101, 322-328.	4.0	27
15	Synthesis of dry sorbents for carbon dioxide capture using coal fly ash and its performance. <i>Applied Energy</i> , 2014, 131, 40-47.	10.1	26
16	Evaluation of Ni ₃ Al(5wt.%)Al(3wt.%) as an anode electrode for molten carbonate fuel cell. <i>Journal of Alloys and Compounds</i> , 2005, 390, 155-160.	5.5	24
17	Synthesis of extraction resin containing 2-ethylhexyl phosphonic acid mono-2-ethylhexyl ester and its performance for separation of rare earths (Gd, Tb). <i>Separation and Purification Technology</i> , 2005, 43, 111-116.	7.9	21
18	Overview of the effects of rare-earth elements used as additive materials in molten carbonate fuel cell systems. <i>Journal of Materials Science</i> , 2006, 41, 3585-3592.	3.7	19

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19	Creep and sintering resistance of a Ce added anode electrode for molten carbonate fuel cell. <i>Materials Chemistry and Physics</i> , 2006, 98, 273-278.	4.0	19
20	Carbon Dioxide Fixation by Combined Method of Physical Absorption and Carbonation in NaOH-Dissolved Methanol. <i>Energy & Fuels</i> , 2017, 31, 1747-1755.	5.1	16
21	Estimation of Correlation between Electrical Conductivity and CO ₂ Absorption in a Monoethanolamine Solvent System. <i>Journal of Chemical & Engineering Data</i> , 2013, 58, 2381-2388.	1.9	15
22	A Study on Carbon Dioxide Capture Performance of KOH Aqueous Solution via Chemical Absorption. <i>Daehan Hwan'gyeong Gonghag Hoeji</i> , 2012, 34, 55-62.	1.1	14
23	Carbon Dioxide Fixation via the Synthesis of Sodium Ethyl Carbonate in NaOH-Dissolved Ethanol. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 12111-12118.	3.7	12
24	A comparison of solar photovoltaics and molten carbonate fuel cells as commercial power plants. <i>Renewable and Sustainable Energy Reviews</i> , 2011, 15, 697-704.	16.4	9
25	Estimation of the Amount of CO ₂ Absorbed by Measuring the Variation of Electrical Conductivity in Highly Concentrated Monoethanolamine Solvent Systems. <i>Journal of Chemical & Engineering Data</i> , 2016, 61, 712-720.	1.9	9
26	Carbon Dioxide Fixation by Precipitating NaHCO ₃ via Carbonation of NaOH-Dissolved Ethanol Aqueous Solution. <i>Energy & Fuels</i> , 2018, 32, 8614-8622.	5.1	9
27	Carbon Dioxide Capture and Carbonate Synthesis via Carbonation of KOH-Dissolved Alcohol Solution. <i>Daehan Hwan'gyeong Gonghag Hoeji</i> , 2015, 37, 597-606.	1.1	8
28	Synthesis of Ni ₃ Al intermetallic powder in eutectic molten salts. <i>Intermetallics</i> , 2005, 13, 157-162.	3.9	7
29	CO ₂ Absorption Performance and Electrical Properties of 2-Amino-2-methyl-1-propanol Compared to Monoethanolamine Solutions as Primary Amine-Based Absorbents. <i>Energy & Fuels</i> , 2021, 35, 3197-3207.	5.1	7
30	Carbon deposition and alkali poisoning at each point of the reforming catalysts in DIR-MCFC. <i>Journal of Applied Electrochemistry</i> , 2005, 35, 521-528.	2.9	6
31	Simulation of the performance for the direct internal reforming molten carbonate fuel cell. Part I: distributions of temperature, energy transfer and current density. <i>International Journal of Energy Research</i> , 2006, 30, 599-618.	4.5	6
32	Precipitation of potassium-based carbonates for carbon dioxide fixation via the carbonation and re-carbonation of KOH dissolved aqueous ethanol solutions. <i>Chemical Engineering Journal</i> , 2022, 427, 131669.	12.7	6
33	CO ₂ emission and avoidance in mobile applications. <i>Renewable and Sustainable Energy Reviews</i> , 2010, 14, 814-820.	16.4	5
34	Comparison of CO ₂ absorption performance between methyl-diethanolamine and triethanolamine solution systems and its analysis in terms of amine molecules. , 2021, 11, 445-460.		5
35	The Ratio of Chemical and Physical CO ₂ Absorption Capacity in Triethanolamine and Methyl-diethanolamine Solution Systems. <i>Energy & Fuels</i> , 2022, 36, 5805-5815.	5.1	5
36	Performance of a unit cell equipped with a modified catalytic reformer in direct internal reforming-molten carbonate fuel cell. <i>Journal of Power Sources</i> , 2006, 156, 288-293.	7.8	4

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37	Simulation of the performance for the direct internal reforming molten carbonate fuel cell. Part II: comparative distributions of reaction rates and gas compositions. <i>International Journal of Energy Research</i> , 2006, 30, 619-631.	4.5	4
38	Correlation of CO ₂ absorption performance and electrical properties in a tri-ethanolamine aqueous solution compared to mono- and di-ethanolamine systems. <i>Environmental Science and Pollution Research</i> , 2020, 27, 44951-44968.	5.3	4
39	Estimation of CO ₂ Absorption Capacity via Correlating Measured Electrical Conductivity in a Diethanolamine Solvent System Compared to Monoethanolamine Solvent Systems. <i>Journal of Chemical & Engineering Data</i> , 2017, 62, 1570-1580.	1.9	2
40	Re-carbonation by recycling NaOH-dissolved ethanol solution for carbon dioxide fixation. <i>Environmental Progress and Sustainable Energy</i> , 2020, 39, 13300.	2.3	2
41	Analysis of Energy Savings and CO ₂ Emission Reductions via Application of Smart Grid System. <i>Daehan Hwan'gyeong Gonghag Hoeji</i> , 2017, 39, 356-370.	1.1	2
42	CO ₂ mineralization of double decomposition suspension of Ca-leached wollastonite solutions. <i>Minerals Engineering</i> , 2022, 176, 107315.	4.3	1
43	The Surface Fractal Investigation of Anode Electrode of Molten Carbonate Fuel Cell. <i>Studies in Surface Science and Catalysis</i> , 2006, 159, 621-624.	1.5	0