

Jung Hoon Yang

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

1,422
citations

430874

18
h-index

477307

29
g-index

31
all docs

31
docs citations

31
times ranked

1597
citing authors

#	ARTICLE	IF	CITATIONS
1	A review of vanadium electrolytes for vanadium redox flow batteries. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 69, 263-274.	16.4	336
2	Dendrite-free Zn electrodeposition triggered by interatomic orbital hybridization of Zn and single vacancy carbon defects for aqueous Zn-based flow batteries. <i>Energy and Environmental Science</i> , 2020, 13, 2839-2848.	30.8	108
3	The influence of compressed carbon felt electrodes on the performance of a vanadium redox flow battery. <i>Electrochimica Acta</i> , 2014, 116, 447-452.	5.2	102
4	Dual function of quaternary ammonium in Zn/Br redox flow battery: Capturing the bromine and lowering the charge transfer resistance. <i>Electrochimica Acta</i> , 2014, 127, 397-402.	5.2	99
5	A metal-free and all-organic redox flow battery with polythiophene as the electroactive species. <i>Journal of Materials Chemistry A</i> , 2014, 2, 19994-19998.	10.3	95
6	Highly porous graphenated graphite felt electrodes with catalytic defects for high-performance vanadium redox flow batteries produced via NiO/Ni redox reactions. <i>Carbon</i> , 2016, 110, 17-26.	10.3	85
7	Electrocatalytic effect of NiO nanoparticles evenly distributed on a graphite felt electrode for vanadium redox flow batteries. <i>Electrochimica Acta</i> , 2018, 278, 226-235.	5.2	71
8	Effect of a surface active agent on performance of zinc/bromine redox flow batteries: Improvement in current efficiency and system stability. <i>Journal of Power Sources</i> , 2015, 275, 294-297.	7.8	63
9	Critical rate of electrolyte circulation for preventing zinc dendrite formation in a zinc-bromine redox flow battery. <i>Journal of Power Sources</i> , 2016, 325, 446-452.	7.8	58
10	Mass transfer limitations on fixed-bed reactor for Fischer-Tropsch synthesis. <i>Fuel Processing Technology</i> , 2010, 91, 285-289.	7.2	46
11	Effect of inorganic additive sodium pyrophosphate tetrabasic on positive electrolytes for a vanadium redox flow battery. <i>Electrochimica Acta</i> , 2014, 121, 321-327.	5.2	43
12	Two regime transitions to pseudo-homogeneous and heterogeneous bubble flow for various liquid viscosities. <i>Chemical Engineering and Processing: Process Intensification</i> , 2010, 49, 1044-1050.	3.6	42
13	Highly effective cobalt catalyst for wax production in Fischer-Tropsch synthesis. <i>Fuel</i> , 2010, 89, 237-243.	6.4	38
14	Capacity Decay Mitigation by Asymmetric Positive/Negative Electrolyte Volumes in Vanadium Redox Flow Batteries. <i>ChemSusChem</i> , 2016, 9, 3181-3187.	6.8	29
15	Highly accurate apparatus for electrochemical characterization of the felt electrodes used in redox flow batteries. <i>Journal of Power Sources</i> , 2016, 310, 137-144.	7.8	29
16	Origin of regime transition to turbulent flow in bubble column: Orifice- and column-induced transitions. <i>International Journal of Multiphase Flow</i> , 2013, 50, 89-97.	3.4	22
17	Influence of Metal Impurities or Additives in the Electrolyte of a Vanadium Redox Flow Battery. <i>Journal of the Electrochemical Society</i> , 2018, 165, A1263-A1268.	2.9	21
18	Estimation of State-of-Charge for Zinc-Bromine Flow Batteries by In Situ Raman Spectroscopy. <i>Journal of the Electrochemical Society</i> , 2017, 164, A754-A759.	2.9	20

#	ARTICLE	IF	CITATIONS
19	Effect of an Iodine Film on Charge-Transfer Resistance during the Electro-Oxidation of Iodide in Redox Flow Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 6385-6393.	8.0	19
20	Interaction between partitioning porous plate and rising bubbles in a trayed bubble column. <i>Chemical Engineering Research and Design</i> , 2012, 90, 1457-1466.	5.6	18
21	Negative Effects of CO ₂ in the Feed Stream on the Catalytic Performance of Precipitated Iron-Based Catalysts for Fischer-Tropsch Synthesis. <i>Catalysis Letters</i> , 2012, 142, 452-459.	2.6	17
22	Combined pre-reformer/reformer system utilizing monolith catalysts for hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 8850-8856.	7.1	14
23	Indirect coal liquefaction by integrated entrained flow gasification and Rectisol/Fischer-Tropsch processes for producing automobile diesel substitutes. <i>Energy</i> , 2021, 219, 119597.	8.8	10
24	Investigation of Fischer-Tropsch synthesis performance and its intrinsic reaction behavior in a bench scale slurry bubble column reactor. <i>Fuel Processing Technology</i> , 2010, 91, 1839-1844.	7.2	9
25	Continuous alcohol addition in vaporized form and its effect on bubble behavior in a bubble column. <i>Chemical Engineering Research and Design</i> , 2014, 92, 804-811.	5.6	7
26	NaTi ₂ (PO ₄) ₃ nanoparticles embedded in double carbon networks as a negative electrode for an aqueous sodium-polyiodide flow battery. <i>Electrochimica Acta</i> , 2020, 361, 137075.	5.2	7
27	Electrochemical formation and dissolution of an iodine-halide coordination solid complex in a nano-confined space. <i>Journal of Materials Chemistry A</i> , 2021, 9, 17955-17966.	10.3	7
28	Catalytic process for decolorizing yellow plume. <i>Korean Journal of Chemical Engineering</i> , 2011, 28, 418-423.	2.7	3
29	Hydrodynamic effect of oxygenated byproduct during Fischer-Tropsch synthesis in slurry bubble column. <i>Chemical Engineering and Processing: Process Intensification</i> , 2013, 66, 27-35.	3.6	3
30	The Effect of Partitioning Porous Plate on Bubble Behavior and Gas Hold-up in a Bench Scale (0.36 m ID) Tj ETQq0.0.0 rgBT /Qverlock 1		