

# Hang Seok Choi

## List of Publications by Year in descending order

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Version: 2024-02-01

32  
papers

507  
citations

933447

10  
h-index

677142

22  
g-index

32  
all docs

32  
docs citations

32  
times ranked

734  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Comprehensive Review on Catalytic Oxidative Desulfurization of Liquid Fuel Oil. <i>Catalysts</i> , 2019, 9, 229.	3.5	141
2	Influence of process conditions on product yield of waste tyre pyrolysis- A review. <i>Korean Journal of Chemical Engineering</i> , 2016, 33, 2268-2286.	2.7	73
3	Evaluation of hydrodeoxygenation reactivity of pyrolysis bio-oil with various Ni-based catalysts for improvement of fuel properties. <i>RSC Advances</i> , 2017, 7, 15116-15126.	3.6	64
4	Investigation of chemical modifications of micro- and macromolecules in bio-oil during hydrodeoxygenation with Pd/C catalyst in supercritical ethanol. <i>Chemosphere</i> , 2014, 117, 806-814.	8.2	27
5	Influence of Operating Conditions for Fast Pyrolysis and Pyrolysis Oil Production in a Conical Spouted Bed Reactor. <i>Chemical Engineering and Technology</i> , 2019, 42, 2493-2504.	1.5	22
6	Numerical Study on Fast Pyrolysis of Lignocellulosic Biomass with Varying Column Size of Bubbling Fluidized Bed. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 2196-2204.	6.7	18
7	Rapid screening of catalytic pyrolysis reactions of Organosolv lignins with the vTmini fast pyrolyzer. <i>Environmental Progress and Sustainable Energy</i> , 2012, 31, 240-244.	2.3	13
8	A Review of the Desulfurization Processes Used for Waste Tire Pyrolysis Oil. <i>Catalysts</i> , 2021, 11, 801.	3.5	13
9	A study on torrefaction characteristics of waste sawdust in an auger type pyrolyzer. <i>Journal of Material Cycles and Waste Management</i> , 2016, 18, 460-468.	3.0	11
10	Heat transfer of bio-oil in a direct contact heat exchanger during condensation. <i>Korean Journal of Chemical Engineering</i> , 2016, 33, 1159-1169.	2.7	11
11	[TC2015] fast pyrolysis characteristics of biomass in a conical spouted bed reactor. <i>Environmental Progress and Sustainable Energy</i> , 2017, 36, 685-689.	2.3	10
12	Purifying of Waste Tire Pyrolysis Oil Using an S-ZrO <sub>2</sub> /SBA-15-H <sub>2</sub> O <sub>2</sub> Catalytic Oxidation Method. <i>Catalysts</i> , 2020, 10, 368.	3.5	10
13	Co-Gasification of Treated Solid Recovered Fuel Residue by Using Minerals Bed and Biomass Waste Blends. <i>Energies</i> , 2020, 13, 2081.	3.1	10
14	Enhancement of Gasification Performance for Palm Oil Byproduct by Removal of Alkali and Alkaline Earth Metallic Compounds and Ash. <i>Energy &amp; Fuels</i> , 2019, 33, 5263-5269.	5.1	9
15	Co-gasification characteristics of palm oil by-products and coals for syngas production. <i>Korean Journal of Chemical Engineering</i> , 2018, 35, 654-661.	2.7	8
16	Removal Effect of Ash and Metallic Species by Washing from Empty Fruit Bunch Byproducts in Palm Mills on Pyrolytic Characteristics to Produce Bio-Crude Oil. <i>Waste and Biomass Valorization</i> , 2018, 9, 491-502.	3.4	8
17	Wall Heat Transfer of a Small Blunt Body Immersed in a Fluidized Bed. <i>Numerical Heat Transfer; Part A: Applications</i> , 2015, 68, 288-311.	2.1	7
18	The mixing and segregation characteristics of rice straw in a cylindrical bubbling fluidized bed. <i>Journal of Material Cycles and Waste Management</i> , 2016, 18, 771-780.	3.0	7

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19	The characteristics of gas-solid flow and wall heat transfer in a fluidized bed reactor. Heat and Mass Transfer, 2012, 48, 1513-1524.	2.1	6
20	Studies on the Gasification Performance of Sludge Cake Pre-Treated by Hydrothermal Carbonization. Energies, 2020, 13, 1442.	3.1	6
21	The fast pyrolysis characteristics of palm empty fruit bunch: The yield and homogeneity of biocrudeoil affected by ash. Environmental Progress and Sustainable Energy, 2014, 33, 706-710.	2.3	5
22	A numerical study on the performance evaluation of ventilation systems for indoor radon reduction. Korean Journal of Chemical Engineering, 2016, 33, 782-794.	2.7	5
23	Utilization of automobile shredder residue (ASR) as a reducing agent for the recovery of black copper. Korean Journal of Chemical Engineering, 2016, 33, 1267-1277.	2.7	4
24	Determination of thermal decomposition kinetics of low grade coal employing thermogravimetric analysis. Korean Journal of Chemical Engineering, 2017, 34, 1678-1692.	2.7	4
25	CFD study of Marangoni condensation heat transfer of vapor mixture on a horizontal tube. Heat and Mass Transfer, 2020, 56, 2743-2755.	2.1	4
26	Study of hydrodynamic characteristics in a circulating fluidized bed gasifier for plastic waste by computational fluid dynamics modeling and simulation. Journal of Material Cycles and Waste Management, 2014, 16, 665-676.	3.0	3
27	Numerical study of heat transfer characteristics of char from waste tire pyrolysis. Journal of Material Cycles and Waste Management, 2017, 19, 1077-1084.	3.0	3
28	Heat transfer characteristics of KIMMA fast pyrolysis reactor. Environmental Progress and Sustainable Energy, 2012, 31, 245-250.	2.3	2
29	A Study on Yield and Characteristics of Biocrude-oil Produced by Circulating Fluidized Bed Fast Pyrolyzer. Journal of Korea Society of Waste Management, 2018, 35, 126-133.	0.2	2
30	Numerical Study on Injection Characteristics of Bio-oil using Twin Fluid Nozzle for Bio-oil Gasification Reactor. Journal of Korea Society of Waste Management, 2019, 36, 267-277.	0.2	1
31	Water tank experiment for a robotic fish. , 2013, , .		0
32	A Study on the Characteristics of Cooling Heat Transfer for Carbon Black from Waste Tire Pyrolysis Process. Journal of Korea Society of Waste Management, 2019, 36, 601-607.	0.2	0