Ki Young Park

List of Publications by Year
in descending order

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36 papers	1,423 citations	361413 20 h-index	345221 36 g-index
36 all docs	36 docs citations	36 times ranked	2018 citing authors

#	Article	IF	Citations
1	Pretreatment of agricultural biomass for anaerobic digestion: Current state and challenges. Bioresource Technology, 2017, 245, 1194-1205.	9.6	261
2	Upgrading the characteristics of biochar from cellulose, lignin, and xylan for solid biofuel production from biomass by hydrothermal carbonization. Journal of Industrial and Engineering Chemistry, 2016, 42, 95-100.	5.8	191
3	Characterized hydrochar of algal biomass for producing solid fuel through hydrothermal carbonization. Bioresource Technology, 2018, 258, 119-124.	9.6	108
4	Solid fuel production through hydrothermal carbonization of sewage sludge and microalgae Chlorella sp. from wastewater treatment plant. Chemosphere, 2019, 230, 157-163.	8.2	85
5	Characteristics of Biochar Obtained by Hydrothermal Carbonization of Cellulose for Renewable Energy. Energies, 2015, 8, 14040-14048.	3.1	63
6	Ultrasound pretreatment of filamentous algal biomass for enhanced biogas production. Waste Management, 2014, 34, 1035-1040.	7.4	62
7	Fate of antibiotic resistance genes in mesophilic and thermophilic anaerobic digestion of chemically enhanced primary treatment (CEPT) sludge. Bioresource Technology, 2017, 244, 433-444.	9.6	57
8	Use of Black Soldier Fly Larvae for Food Waste Treatment and Energy Production in Asian Countries: A Review. Processes, 2021, 9, 161.	2.8	53
9	Impact of hydrothermal pretreatment on anaerobic digestion efficiency for lignocellulosic biomass: Influence of pretreatment temperature on the formation of biomass-degrading byproducts. Chemosphere, 2020, 256, 127116.	8.2	51
10	Hydrothermal carbonization of waste from leather processing and feasibility of produced hydrochar as an alternative solid fuel. Journal of Environmental Management, 2019, 247, 115-120.	7.8	46
11	Characterizations of biochar from hydrothermal carbonization of exhausted coffee residue. Journal of Material Cycles and Waste Management, 2017, 19, 1036-1043.	3.0	40
12	Growth of microalgae in diluted process water of the animal wastewater treatment plant. Water Science and Technology, 2009, 59, 2111-2116.	2.5	39
13	Releasing characteristics and fate of heavy metals from phytoremediation crop residues during anaerobic digestion. Chemosphere, 2018, 191, 520-526.	8.2	36
14	Characteristics of heavy metal separation and determination of limiting current density in a pilot-scale electrodialysis process for plating wastewater treatment. Science of the Total Environment, 2021, 757, 143762.	8.0	34
15	Conversion of heavy metal-containing biowaste from phytoremediation site to value-added solid fuel through hydrothermal carbonization. Environmental Pollution, 2021, 269, 116127.	7.5	31
16	Characteristics of vegetable crop cultivation and nutrient releasing with struvite as a slow-release fertilizer. Environmental Science and Pollution Research, 2019, 26, 34332-34344.	5.3	28
17	Separation of metals from electroplating wastewater using electrodialysis. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2019, 41, 2471-2480.	2.3	27
18	Utilization of a Selective Adsorbent for Phosphorus Removal from Wastewaters. Environmental Engineering Science, 2010, 27, 805-810.	1.6	26

#	Article	IF	Citations
19	Interactions between substrate characteristics and microbial communities on biogas production yield and rate. Bioresource Technology, 2020, 303, 122934.	9.6	25
20	Changes in bacterial and archaeal communities in anaerobic digesters treating different organic wastes. Chemosphere, 2015, 141, 134-137.	8.2	24
21	Anaerobic digestion as an alternative disposal for phytoremediated biomass from heavy metal contaminated sites. Environmental Pollution, 2018, 243, 1704-1709.	7.5	17
22	Pilot-scale cultivation of water-net in secondary effluent using an open pond raceway for nutrient removal and bioethanol production. Chemosphere, 2021, 277, 130129.	8.2	16
23	Removal of phosphorus and coliforms from secondary effluent using ferrate(VI). KSCE Journal of Civil Engineering, 2014, 18, 81-85.	1.9	15
24	Investigation of the combustion characteristics of municipal solid wastes and their hydrothermally treated products via thermogravimetric analysis. Journal of Material Cycles and Waste Management, 2015, 17, 258-265.	3.0	15
25	Conversion of Slaughterhouse Wastes to Solid Fuel Using Hydrothermal Carbonization. Energies, 2021, 14, 1768.	3.1	10
26	Use of concentrate water from seawater desalination plant as magnesium sources for struvite formation by using anaerobically digested effluent of swine wastewater. Desalination and Water Treatment, 2016, 57, 26751-26757.	1.0	9
27	Advanced wastewater treatment using filamentous algae in raceway ponds with underwater light. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2019, 41, 1674-1682.	2.3	9
28	Stimulation of Lipid Extraction Efficiency from Sewage Sludge for Biodiesel Production through Hydrothermal Pretreatment. Energies, 2020, 13, 6392.	3.1	9
29	Biogas productivity of algal residues from bioethanol production. Journal of Material Cycles and Waste Management, 2017, 19, 235-240.	3.0	7
30	Electrodialysis of groundwater with heavy metal and nitrate ions under low conductivity and effects of superficial velocities. Desalination and Water Treatment, 2016, 57, 26741-26750.	1.0	6
31	Carbon dioxide injection method for enhancing hydrogenotrophic denitrification of secondary wastewater effluent in fixed bed reactor. Biotechnology and Bioprocess Engineering, 2013, 18, 326-332.	2.6	5
32	Performance and Fouling in Pre-Denitrification Membrane Bioreactors Treating High-Strength Wastewater from Food Waste Disposers. Water (Switzerland), 2017, 9, 512.	2.7	5
33	Economic feasibility of phosphorus recovery through struvite from liquid anaerobic digestate of animal waste. Environmental Science and Pollution Research, 2021, 28, 40703-40714.	5.3	5
34	Characterization and Recovery of In Situ Transesterifiable Lipids (TLs) as Potential Biofuel Feedstock from Sewage Sludge Obtained from Various Sewage Treatment Plants (STPs). Energies, 2019, 12, 3952.	3.1	4
35	Estimation of biokinetic parameters in the acid fermentation of primary sludge using an anaerobic baffled reactor. Environmental Science: Water Research and Technology, 2018, 4, 1997-2011.	2.4	3
36	Field test of water-net based wastewater treatment for nutrient removal and bioethanol production. Chemosphere, 2022, 301, 134791.	8.2	1