

# Si-Kyung Cho

## List of Publications by Year in descending order

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42  
papers

1,452  
citations

304743

22  
h-index

315739

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all docs

42  
docs citations

42  
times ranked

2157  
citing authors

#	ARTICLE	IF	CITATIONS
1	Performance Evaluation of a Novel Pilot-Scale Wet Electrostatic Precipitator in a Bio-Drying-Assisted Solid Recovered Fuel (SRF) Generation Plant: Particulate Matter (PM) Collection Efficiency. <i>Sustainability</i> , 2022, 14, 8702.	3.2	1
2	A comprehensive overview and recent advances on polyhydroxyalkanoates (PHA) production using various organic waste streams. <i>Bioresource Technology</i> , 2021, 325, 124685.	9.6	138
3	An Overview of Recent Advancements in Microbial Polyhydroxyalkanoates (PHA) Production from Dark Fermentation Acidogenic Effluents: A Path to an Integrated Bio-Refinery. <i>Polymers</i> , 2021, 13, 4297.	4.5	9
4	Effect of storage time and temperature on hydrogen fermentation of food waste. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 3769-3775.	7.1	31
5	Synergistic effect of Cu loading on Fe sites of fly ash for enhanced catalytic reduction of nitrophenol. <i>Science of the Total Environment</i> , 2020, 705, 134544.	8.0	22
6	Utilization of Noxious Weed Water Hyacinth Biomass as a Potential Feedstock for Biopolymers Production: A Novel Approach. <i>Polymers</i> , 2020, 12, 1704.	4.5	37
7	Development of ultrasound aided chemical pretreatment methods to enrich saccharification of wheat waste biomass for polyhydroxybutyrate production and its characterization. <i>Industrial Crops and Products</i> , 2020, 150, 112425.	5.2	62
8	Investigation of photocatalytic degradation of reactive textile dyes by <i>Portulaca oleracea</i> -functionalized silver nanocomposites and exploration of their antibacterial and antidiabetic potentials. <i>Journal of Alloys and Compounds</i> , 2020, 833, 155083.	5.5	37
9	Improved hydrogen recovery in microbial electrolysis cells using intermittent energy input. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 2253-2257.	7.1	30
10	Wheat straw extracted lignin in silver nanoparticles synthesis: Expanding its prophecy towards antineoplastic potency and hydrogen peroxide sensing ability. <i>International Journal of Biological Macromolecules</i> , 2019, 128, 391-400.	7.5	84
11	Sequential Production of Lignin, Fatty Acid Methyl Esters and Biogas from Spent Coffee Grounds via an Integrated Physicochemical and Biological Process. <i>Energies</i> , 2019, 12, 2360.	3.1	21
12	Performance and Microbial Community Dynamics in Anaerobic Digestion of Waste Activated Sludge: Impact of Immigration. <i>Energies</i> , 2019, 12, 573.	3.1	28
13	Dispersion aided tensile disintegration of seagrass <i>Syringodium isoetifolium</i> : Towards biomethanation, kinetics, energy exploration and evaluation. <i>Bioresource Technology</i> , 2019, 277, 62-67.	9.6	12
14	Size and morphological analyses of ultrasonicated hydrogen-producing granules using a simple method. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 2246-2252.	7.1	6
15	Effects of low-strength ultrasonication on dark fermentative hydrogen production: Start-up performance and microbial community analysis. <i>Applied Energy</i> , 2018, 219, 34-41.	10.1	19
16	Biohydrogen production from food waste: Current status, limitations, and future perspectives. <i>Bioresource Technology</i> , 2018, 248, 79-87.	9.6	134
17	Insights into evolutionary trends in molecular biology tools in microbial screening for biohydrogen production through dark fermentation. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 19885-19901.	7.1	42
18	Photocatalytic activity of CuO/Cu(OH) <sub>2</sub> nanostructures in the degradation of Reactive Green 19A and textile effluent, phytotoxicity studies and their biogenic properties (antibacterial and anticancer). <i>Journal of Environmental Management</i> , 2018, 223, 1086-1097.	7.8	74

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19	Bacterial community analysis in upflow multilayer anaerobic reactor treating high-solids organic wastes. <i>Biotechnology Progress</i> , 2017, 33, 1226-1234.	2.6	0
20	Biogranules applied in environmental engineering. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 27801-27811.	7.1	38
21	Low-strength ultrasonication positively affects methanogenic granules toward higher AD performance: Hydrolytic enzyme excretions. <i>Ultrasonics Sonochemistry</i> , 2017, 36, 168-172.	8.2	11
22	Low-strength ultrasonication positively affects methanogenic granules toward higher AD performance: Implications from microbial community shift. <i>Ultrasonics Sonochemistry</i> , 2016, 32, 198-203.	8.2	12
23	Mitigation of ammonia inhibition by internal dilution in high-rate anaerobic digestion of food waste leachate and evidences of microbial community response. <i>Biotechnology and Bioengineering</i> , 2016, 113, 1892-1901.	3.3	23
24	Application of an electric field for pretreatment of a feedstock ( <i>Laminaria japonica</i> ) for dark fermentative hydrogen production. <i>Biomass and Bioenergy</i> , 2015, 72, 184-188.	5.7	21
25	Elucidating a synergistic effect of food waste addition on the enhanced anaerobic digestion of waste activated sludge. <i>Korean Journal of Chemical Engineering</i> , 2015, 32, 1542-1546.	2.7	16
26	Enhanced anaerobic digestion of livestock waste by ultrasonication: A tool for ammonia removal and solubilization. <i>Korean Journal of Chemical Engineering</i> , 2014, 31, 619-623.	2.7	16
27	Inhibitory effect of chloroform on fermentative hydrogen and methane production from lipid-extracted microalgae. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 19256-19261.	7.1	31
28	Inoculum preparation of anaerobic mixed cultures by electric field for dark fermentative hydrogen production. <i>International Journal of Energy Research</i> , 2014, 38, 2052-2056.	4.5	2
29	Alkaline-mechanical pretreatment process for enhanced anaerobic digestion of thickened waste activated sludge with a novel crushing device: Performance evaluation and economic analysis. <i>Bioresource Technology</i> , 2014, 165, 183-190.	9.6	49
30	Increased solubilization of excess sludge does not always result in enhanced anaerobic digestion efficiency. <i>Bioresource Technology</i> , 2013, 143, 660-664.	9.6	73
31	Statistical optimization of mixture ratio and particle size for dry co-digestion of food waste and manure by response surface methodology. <i>Korean Journal of Chemical Engineering</i> , 2013, 30, 1493-1496.	2.7	3
32	Low strength ultrasonication positively affects the methanogenic granules toward higher AD performance. Part I: Physico-chemical characteristics. <i>Bioresource Technology</i> , 2013, 136, 66-72.	9.6	20
33	Rapid formation of hydrogen-producing granules in an up-flow anaerobic sludge blanket reactor coupled with high-rate recirculation. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 9097-9103.	7.1	25
34	Conversion of organic solid waste to hydrogen and methane by two-stage fermentation system with reuse of methane fermenter effluent as diluting water in hydrogen fermentation. <i>Bioresource Technology</i> , 2013, 139, 120-127.	9.6	34
35	Dry anaerobic digestion of food waste under mesophilic conditions: Performance and methanogenic community analysis. <i>Bioresource Technology</i> , 2013, 131, 210-217.	9.6	108
36	Optimization of dark fermentative H <sub>2</sub> production from microalgal biomass by combined (acid+ultrasonic) pretreatment. <i>Bioresource Technology</i> , 2013, 141, 220-226.	9.6	46

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37	Application of an electric field for pretreatment of a seeding source for dark fermentative hydrogen production. <i>Bioresource Technology</i> , 2013, 139, 393-396.	9.6	37
38	Application of low-strength ultrasonication to the continuous anaerobic digestion processes: UASBr and dry digester. <i>Bioresource Technology</i> , 2013, 141, 167-173.	9.6	25
39	Influence of Performance and Microbial Community by Internal pH Control on Anaerobic Digestion of Food Waste Leachate. <i>Daehan Hwan'gyeong Gonghag Hoeji</i> , 2013, 35, 571-578.	1.1	1
40	Enhanced activity of methanogenic granules by low-strength ultrasonication. <i>Bioresource Technology</i> , 2012, 120, 84-88.	9.6	18
41	Waste activated sludge hydrolysis during ultrasonication: Two-step disintegration. <i>Bioresource Technology</i> , 2012, 121, 480-483.	9.6	47
42	Enhanced methane recovery by food waste leachate injection into a landfill in Korea. <i>Waste Management</i> , 2011, 31, 2126-2132.	7.4	9