

Young-Cheol Chang

List of Publications by Year in descending order

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48
papers

1,347
citations

304743

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48
docs citations

48
times ranked

1740
citing authors

#	ARTICLE	IF	CITATIONS
1	Review of the Developments of Bacterial Medium-Chain-Length Polyhydroxyalkanoates (mcl-PHAs). <i>Bioengineering</i> , 2022, 9, 225.	3.5	26
2	Integration of anaerobic digestion and chain elongation technologies for biogas and carboxylic acids production from cheese whey. <i>Journal of Cleaner Production</i> , 2022, 364, 132670.	9.3	7
3	Validation of biphenyl degradation pathway by polymerase chain reaction, peptide mass fingerprinting and enzyme analysis. <i>Water-Energy Nexus</i> , 2021, 4, 69-75.	4.0	0
4	Cometabolic degradation of toxic trichloroethene or <i>cis</i> -1,2-dichloroethene with phenol and production of poly- β -hydroxybutyrate (PHB). <i>Green Chemistry</i> , 2021, 23, 2729-2737.	9.0	9
5	Production of biofuel precursor molecules (monocarboxylic acids, biohydrogen) from apple and pumpkin waste through an anaerobic fermentation process. <i>Sustainable Energy and Fuels</i> , 2021, 5, 4133-4140.	4.9	8
6	Two-Stage Polyhydroxyalkanoates (PHA) Production from Cheese Whey Using <i>Acetobacter pasteurianus</i> C1 and <i>Bacillus</i> sp. CYR1. <i>Bioengineering</i> , 2021, 8, 157.	3.5	22
7	Polyhydroxyalkanoates (PHA) production using single or mixture of fatty acids with <i>Bacillus</i> sp. CYR1: Identification of PHA synthesis genes. <i>Bioresource Technology Reports</i> , 2020, 11, 100483.	2.7	17
8	Degradation of 4- <i>tert</i> -butylphenol in contaminated soil using <i>Penicillium</i> sp. CHY-2 isolated from pristine Antarctica. <i>Water-Energy Nexus</i> , 2020, 3, 11-14.	4.0	1
9	Biodegradation of alkylphenols by rhizosphere microorganisms isolated from the roots of <i>Hosta undulata</i> . <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 103771.	6.7	9
10	Bacterial conversion of waste into polyhydroxybutyrate (PHB): A new approach of bio-circular economy for treating waste and energy generation. <i>Bioresource Technology Reports</i> , 2019, 7, 100246.	2.7	27
11	Short chain and medium chain fatty acids production using food waste under non-augmented and bio-augmented conditions. <i>Journal of Cleaner Production</i> , 2018, 176, 645-653.	9.3	95
12	Medium-Chain Fatty Acids (MCFA) Production Through Anaerobic Fermentation Using <i>Clostridium kluyveri</i> : Effect of Ethanol and Acetate. <i>Applied Biochemistry and Biotechnology</i> , 2018, 185, 594-605.	2.9	52
13	Fruiting body formation of the nivicolous myxomycete <i>Badhamia alpina</i> in moist chamber culture. <i>Mycoscience</i> , 2018, 59, 268-276.	0.8	3
14	Sustainable production of medium chain fatty acids (MCFA) with an enriched mixed bacterial culture: microbial characterization using molecular methods. <i>Sustainable Energy and Fuels</i> , 2018, 2, 372-380.	4.9	29
15	Algicidal effects of thiazolinedione derivatives against <i>Microcystis aeruginosa</i> . <i>Korean Journal of Chemical Engineering</i> , 2017, 34, 139-149.	2.7	11
16	Hypolipidemic and antioxidant effects on hypercholesterolemic rats of polysaccharide from <i>Salicornia bigelovii</i> seed. <i>Korean Journal of Chemical Engineering</i> , 2017, 34, 787-796.	2.7	4
17	Polyhydroxyalkanoates (PHA) production from synthetic waste using <i>Pseudomonas pseudoflava</i> : PHA synthase enzyme activity analysis from <i>P. pseudoflava</i> and <i>P. palleronii</i> . <i>Bioresource Technology</i> , 2017, 234, 99-105.	9.6	50
18	Biodegradation of aliphatic and aromatic hydrocarbons using the filamentous fungus <i>Penicillium</i> sp. CHY-2 and characterization of its manganese peroxidase activity. <i>RSC Advances</i> , 2017, 7, 20716-20723.	3.6	75

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19	Isolation and characterization of a biosurfactant-producing heavy metal resistant <i>Rahnella</i> sp. RM isolated from chromium-contaminated soil. <i>Biotechnology and Bioprocess Engineering</i> , 2017, 22, 186-194.	2.6	29
20	Biodegradation of toxic organic compounds using a newly isolated <i>Bacillus</i> sp. CYR2. <i>Biotechnology and Bioprocess Engineering</i> , 2017, 22, 339-346.	2.6	5
21	Novel rhodanine derivatives are selective algicides against <i>Microcystis aeruginosa</i> . <i>Biotechnology and Bioprocess Engineering</i> , 2017, 22, 748-757.	2.6	4
22	Degradation of Toxic Compounds at Low and Medium Temperature Conditions Using Isolated Fungus. <i>Clean - Soil, Air, Water</i> , 2016, 44, 992-1000.	1.1	22
23	Production of poly-3-hydroxybutyrate (P3HB) and poly(3-hydroxybutyrate-co-3-hydroxyvalerate) P(3HB-co-3HV) from synthetic wastewater using <i>Hydrogenophaga palleronii</i> . <i>Bioresource Technology</i> , 2016, 215, 155-162.	9.6	47
24	Synthesis and algicidal activity of new dichlorobenzylamine derivatives against harmful red tides. <i>Biotechnology and Bioprocess Engineering</i> , 2016, 21, 463-476.	2.6	5
25	Bioremediation of heavy metals using an endophytic bacterium <i>Paenibacillus</i> sp. RM isolated from the roots of <i>Tridax procumbens</i> . <i>3 Biotech</i> , 2016, 6, 242.	2.2	100
26	Antihyperglycemic and antioxidant activities of polysaccharide produced from <i>Pleurotus ferulae</i> in streptozotocin-induced diabetic rats. <i>Korean Journal of Chemical Engineering</i> , 2016, 33, 1872-1882.	2.7	12
27	Bio-Augmentation of <i>Cupriavidus</i> sp. CY-1 into 2,4-D Contaminated Soil: Microbial Community Analysis by Culture Dependent and Independent Techniques. <i>PLoS ONE</i> , 2015, 10, e0145057.	2.5	17
28	Whole-Genome Sequence of <i>Aquamicrobium</i> sp. Strain SK-2, a Polychlorinated Biphenyl-Utilizing Bacterium Isolated from Sewage Sludge. <i>Genome Announcements</i> , 2015, 3, .	0.8	5
29	Poly-3-hydroxybutyrate (PHB) production from alkylphenols, mono and poly-aromatic hydrocarbons using <i>Bacillus</i> sp. CYR1: A new strategy for wealth from waste. <i>Bioresource Technology</i> , 2015, 192, 711-717.	9.6	52
30	Degradation and conversion of toxic compounds into useful bioplastics by <i>Cupriavidus</i> sp. CY-1: relative expression of the PhaC gene under phenol and nitrogen stress. <i>Green Chemistry</i> , 2015, 17, 4560-4569.	9.0	30
31	Isolation of <i>Bacillus</i> sp. strains capable of decomposing alkali lignin and their application in combination with lactic acid bacteria for enhancing cellulase performance. <i>Bioresource Technology</i> , 2014, 152, 429-436.	9.6	94
32	Characterization, stability, and antioxidant activity of <i>Salicornia herbacea</i> seed oil. <i>Korean Journal of Chemical Engineering</i> , 2014, 31, 2221-2228.	2.7	23
33	Effect of blast furnace dust on the degradation of chlorinated organic and endocrine disrupting compounds. <i>Process Biochemistry</i> , 2013, 48, 694-702.	3.7	13
34	Potential exoproteolytic activity assay for the determination of fixed bacterial biomass on distribution system materials. <i>Molecular and Cellular Toxicology</i> , 2013, 9, 319-325.	1.7	1
35	Isolation of Biphenyl and Polychlorinated Biphenyl-Degrading Bacteria and Their Degradation Pathway. <i>Applied Biochemistry and Biotechnology</i> , 2013, 170, 381-398.	2.9	40
36	Comparative study on the antioxidant and nitrite scavenging activity of fruiting body and mycelium extract from <i>Pleurotus ferulae</i> . <i>Korean Journal of Chemical Engineering</i> , 2012, 29, 1393-1402.	2.7	9

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37	Enhanced extraction of heavy metals in the two-step process with the mixed culture of <i>Lactobacillus bulgaricus</i> and <i>Streptococcus thermophilus</i> . <i>Bioresource Technology</i> , 2012, 103, 477-480.	9.6	25
38	Isolation and characterization of an arsenate-reducing bacterium and its application for arsenic extraction from contaminated soil. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2012, 39, 37-44.	3.0	30
39	Isolation and characterization of tetrachloroethylene- and cis-1,2-dichloroethylene-dechlorinating propionibacteria. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2011, 38, 1667-1677.	3.0	34
40	Influence of disinfection on bacterial regrowth in pilot distribution system. <i>Korean Journal of Chemical Engineering</i> , 2010, 27, 1860-1863.	2.7	2
41	Isolation and characterization of a novel 2-sec-butylphenol-degrading bacterium <i>Pseudomonas</i> sp. strain MS-1. <i>Biodegradation</i> , 2010, 21, 157-165.	3.0	13
42	Biodegradation of bisphenol A and bisphenol F in the rhizosphere sediment of <i>Phragmites australis</i> . <i>Journal of Bioscience and Bioengineering</i> , 2009, 108, 147-150.	2.2	100
43	Enrichment of bacteria possessing catechol dioxygenase genes in the rhizosphere of <i>Spirodela polyrrhiza</i> : A mechanism of accelerated biodegradation of phenol. <i>Water Research</i> , 2009, 43, 3765-3776.	11.3	39
44	COMPLETE DECHLORINATION OF TETRACHLOROETHYLENE BY USE OF AN ANAEROBIC CLOSTRIDIUM BIFERMENTANS AND ZERO-VALENT IRON. <i>Environmental Technology (United Kingdom)</i> , 2008, 29, 381-391.	2.2	5
45	Direct estimation of biofilm density on different pipe material coupons using a specific DNA-probe. <i>Molecular and Cellular Probes</i> , 2003, 17, 237-243.	2.1	30
46	In vitro dehalogenation of tetrachloroethylene (PCE) by cell-free extracts of <i>Clostridium bifermentans</i> DPH-1. <i>Bioresource Technology</i> , 2001, 78, 141-147.	9.6	26
47	Isolation and characterization of a tetrachloroethylene dechlorinating bacterium, <i>Clostridium bifermentans</i> DPH-1. <i>Journal of Bioscience and Bioengineering</i> , 2000, 89, 489-491.	2.2	80
48	Degradation of a variety of halogenated aliphatic compounds by an anaerobic mixed culture. <i>Journal of Bioscience and Bioengineering</i> , 1998, 86, 410-412.	0.9	10