Young-Cheol Chang

List of Publications by Year
in descending order

48	1,347	304743 22	361022 35
papers	citations	h-index	g-index

48	48	48	1740
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Biodegradation of bisphenol A and bisphenol F in the rhizosphere sediment of Phragmites australis. Journal of Bioscience and Bioengineering, 2009, 108, 147-150.	2.2	100
2	Bioremediation of heavy metals using an endophytic bacterium Paenibacillus sp. RM isolated from the roots of Tridax procumbens. 3 Biotech, 2016, 6, 242.	2.2	100
3	Short chain and medium chain fatty acids production using food waste under non-augmented and bio-augmented conditions. Journal of Cleaner Production, 2018, 176, 645-653.	9.3	95
4	Isolation of Bacillus sp. strains capable of decomposing alkali lignin and their application in combination with lactic acid bacteria for enhancing cellulase performance. Bioresource Technology, 2014, 152, 429-436.	9.6	94
5	Isolation and characterization of a tetrachloroethylene dechlorinating bacterium, Clostridium bifermentans DPH-1. Journal of Bioscience and Bioengineering, 2000, 89, 489-491.	2.2	80
6	Biodegradation of aliphatic and aromatic hydrocarbons using the filamentous fungus Penicillium sp. CHY-2 and characterization of its manganese peroxidase activity. RSC Advances, 2017, 7, 20716-20723.	3.6	75
7	Poly-3-hydroxybutyrate (PHB) production from alkylphenols, mono and poly-aromatic hydrocarbons using Bacillus sp. CYR1: A new strategy for wealth from waste. Bioresource Technology, 2015, 192, 711-717.	9.6	52
8	Medium-Chain Fatty Acids (MCFA) Production Through Anaerobic Fermentation Using Clostridium kluyveri: Effect of Ethanol and Acetate. Applied Biochemistry and Biotechnology, 2018, 185, 594-605.	2.9	52
9	Polyhydroxyalkanoates (PHA) production from synthetic waste using Pseudomonas pseudoflava : PHA synthase enzyme activity analysis from P. pseudoflava and P. palleronii. Bioresource Technology, 2017, 234, 99-105.	9.6	50
10	Production of poly-3-hydroxybutyrate (P3HB) and poly(3-hydroxybutyrate-co-3-hydroxyvalerate) P(3HB-co-3HV) from synthetic wastewater using Hydrogenophaga palleronii. Bioresource Technology, 2016, 215, 155-162.	9.6	47
11	Isolation of Biphenyl and Polychlorinated Biphenyl-Degrading Bacteria and Their Degradation Pathway. Applied Biochemistry and Biotechnology, 2013, 170, 381-398.	2.9	40
12	Enrichment of bacteria possessing catechol dioxygenase genes in the rhizosphere of Spirodela polyrrhiza: A mechanism of accelerated biodegradation of phenol. Water Research, 2009, 43, 3765-3776.	11.3	39
13	Isolation and characterization of tetrachloroethylene- and cis-1,2-dichloroethylene-dechlorinating propionibacteria. Journal of Industrial Microbiology and Biotechnology, 2011, 38, 1667-1677.	3.0	34
14	Direct estimation of biofilm density on different pipe material coupons using a specific DNA-probe. Molecular and Cellular Probes, 2003, 17, 237-243.	2.1	30
15	Isolation and characterization of an arsenate-reducing bacterium and its application for arsenic extraction from contaminated soil. Journal of Industrial Microbiology and Biotechnology, 2012, 39, 37-44.	3.0	30
16	Degradation and conversion of toxic compounds into useful bioplastics by Cupriavidus sp. CY-1: relative expression of the PhaC gene under phenol and nitrogen stress. Green Chemistry, 2015, 17, 4560-4569.	9.0	30
17	Isolation and characterization of a biosurfactant-producing heavy metal resistant Rahnella sp. RM isolated from chromium-contaminated soil. Biotechnology and Bioprocess Engineering, 2017, 22, 186-194.	2.6	29
18	Sustainable production of medium chain fatty acids (MCFA) with an enriched mixed bacterial culture: microbial characterization using molecular methods. Sustainable Energy and Fuels, 2018, 2, 372-380.	4.9	29

#	Article	IF	Citations
19	Bacterial conversion of waste into polyhydroxybutyrate (PHB): A new approach of bio-circular economy for treating waste and energy generation. Bioresource Technology Reports, 2019, 7, 100246.	2.7	27
20	In vitro dehalogenation of tetrachloroethylene (PCE) by cell-free extracts of Clostridium bifermentans DPH-1. Bioresource Technology, 2001, 78, 141-147.	9.6	26
21	Review of the Developments of Bacterial Medium-Chain-Length Polyhydroxyalkanoates (mcl-PHAs). Bioengineering, 2022, 9, 225.	3.5	26
22	Enhanced extraction of heavy metals in the two-step process with the mixed culture of Lactobacillus bulgaricus and Streptococcus thermophilus. Bioresource Technology, 2012, 103, 477-480.	9.6	25
23	Characterization, stability, and antioxidant activity of Salicornia herbaciea seed oil. Korean Journal of Chemical Engineering, 2014, 31, 2221-2228.	2.7	23
24	Degradation of Toxic Compounds at Low and Medium Temperature Conditions Using Isolated Fungus. Clean - Soil, Air, Water, 2016, 44, 992-1000.	1.1	22
25	Two-Stage Polyhydroxyalkanoates (PHA) Production from Cheese Whey Using Acetobacter pasteurianus C1 and Bacillus sp. CYR1. Bioengineering, 2021, 8, 157.	3.5	22
26	Bio-Augmentation of Cupriavidus sp. CY-1 into 2,4-D Contaminated Soil: Microbial Community Analysis by Culture Dependent and Independent Techniques. PLoS ONE, 2015, 10, e0145057.	2.5	17
27	Polyhydroxyalkanoates (PHA) production using single or mixture of fatty acids with Bacillus sp. CYR1: Identification of PHA synthesis genes. Bioresource Technology Reports, 2020, 11, 100483.	2.7	17
28	Isolation and characterization of a novel 2-sec-butylphenol-degrading bacterium Pseudomonas sp. strain MS-1. Biodegradation, 2010, 21, 157-165.	3.0	13
29	Effect of blast furnace dust on the degradation of chlorinated organic and endocrine disrupting compounds. Process Biochemistry, 2013, 48, 694-702.	3.7	13
30	Antihyperglycemic and antioxidant activities of polysaccharide produced from Pleurotus ferulae in streptozotocin-induced diabetic rats. Korean Journal of Chemical Engineering, 2016, 33, 1872-1882.	2.7	12
31	Algicidal effects of thiazolinedione derivatives against Microcystis aeruginosa. Korean Journal of Chemical Engineering, 2017, 34, 139-149.	2.7	11
32	Degradation of a variety of halogenated aliphatic compounds by an anaerobic mixed culture. Journal of Bioscience and Bioengineering, 1998, 86, 410-412.	0.9	10
33	Comparative study on the antioxidant and nitrite scavenging activity of fruiting body and mycelium extract from Pleurotus ferulae. Korean Journal of Chemical Engineering, 2012, 29, 1393-1402.	2.7	9
34	Biodegradation of alkylphenols by rhizosphere microorganisms isolated from the roots of Hosta undulata. Journal of Environmental Chemical Engineering, 2020, 8, 103771.	6.7	9
35	Cometabolic degradation of toxic trichloroethene or cis-1,2-dichloroethene with phenol and production of poly-Î²-hydroxybutyrate (PHB). Green Chemistry, 2021, 23, 2729-2737.	9.0	9
36	Production of biofuel precursor molecules (monocarboxylic acids, biohydrogen) from apple and pumpkin waste through an anaerobic fermentation process. Sustainable Energy and Fuels, 2021, 5, 4133-4140.	4.9	8

#	Article	IF	Citations
37	Integration of anaerobic digestion and chain elongation technologies for biogas and carboxylic acids production from cheese whey. Journal of Cleaner Production, 2022, 364, 132670.	9.3	7
38	COMPLETE DECHLORINATION OF TETRACHLOROETHYLENE BY USE OF AN ANAEROBICCLOSTRIDIUM BIFERMENTANSDPHâ€1 AND ZEROâ€VALENT IRON. Environmental Technology (United Kingdom), 2008, 29, 381-391.	2.2	5
39	Whole-Genome Sequence of Aquamicrobium sp. Strain SK-2, a Polychlorinated Biphenyl-Utilizing Bacterium Isolated from Sewage Sludge. Genome Announcements, 2015, 3, .	0.8	5
40	Synthesis and algicidal activity of new dichlorobenzylamine derivatives against harmful red tides. Biotechnology and Bioprocess Engineering, 2016, 21, 463-476.	2.6	5
41	Biodegradation of toxic organic compounds using a newly isolated Bacillus sp. CYR2. Biotechnology and Bioprocess Engineering, 2017, 22, 339-346.	2.6	5
42	Hypolipidemic and antioxidant effects on hypercholesterolemic rats of polysaccharide from Salicornia bigelovii seed. Korean Journal of Chemical Engineering, 2017, 34, 787-796.	2.7	4
43	Novel rhodanine derivatives are selective algicides against Microcystis aeruginosa. Biotechnology and Bioprocess Engineering, 2017, 22, 748-757.	2.6	4
44	Fruiting body formation of the nivicolous myxomycete Badhamia alpina in moist chamber culture. Mycoscience, 2018, 59, 268-276.	0.8	3
45	Influence of disinfection on bacterial regrowth in pilot distribution system. Korean Journal of Chemical Engineering, 2010, 27, 1860-1863.	2.7	2
46	Potential exoproteolytic activity assay for the determination of fixed bacterial biomass on distribution system materials. Molecular and Cellular Toxicology, 2013, 9, 319-325.	1.7	1
47	Degradation of 4-tert-butylphenol in contaminated soil using Penicillium sp. CHY-2 isolated from pristine Antarctica. Water-Energy Nexus, 2020, 3, 11-14.	4.0	1
48	Validation of biphenyl degradation pathway by polymerase chain reaction, peptide mass fingerprinting and enzyme analysis. Water-Energy Nexus, 2021, 4, 69-75.	4.0	0