Jong Moon Park

List of Publications by Year
in descending order

174 papers	10,319 citations	28274 55 h-index	38395 95 g-index
176 all docs	176 docs citations	176 times ranked	10281 citing authors

#	Article	IF	Citations
1	The past, present, and future trends of biosorption. Biotechnology and Bioprocess Engineering, 2010, 15, 86-102.	2.6	554
2	Potentials of macroalgae as feedstocks for biorefinery. Bioresource Technology, 2013, 135, 182-190.	9.6	399
3	Mechanism of hexavalent chromium removal by dead fungal biomass of Aspergillus niger. Water Research, 2005, 39, 533-540.	11.3	361
4	Studies on hexavalent chromium biosorption by chemically-treated biomass of Ecklonia sp.. Chemosphere, 2005, 60, 1356-1364.	8.2	342
5	Biosorption of Trivalent Chromium on the Brown Seaweed Biomass. Environmental Science & Technology, 2001, 35, 4353-4358.	10.0	332
6	Reduction of Hexavalent Chromium with the Brown SeaweedEckloniaBiomass. Environmental Science & Technology, 2004, 38, 4860-4864.	10.0	256
7	Carbon Dioxide Fixation by Algal Cultivation Using Wastewater Nutrients. Journal of Chemical Technology and Biotechnology, 1997, 69, 451-455.	3.2	242
8	Inhibitory effects of toxic compounds on nitrification process for cokes wastewater treatment. Journal of Hazardous Materials, 2008, 152, 915-921.	12.4	235
9	XAS and XPS studies on chromium-binding groups of biomaterial during Cr(VI) biosorption. Journal of Colloid and Interface Science, 2008, 317, 54-61.	9.4	228
10	Reliable evidences that the removal mechanism of hexavalent chromium by natural biomaterials is adsorption-coupled reduction. Chemosphere, 2007, 70, 298-305.	8.2	212
11	Development of a new Cr(VI)-biosorbent from agricultural biowaste. Bioresource Technology, 2008, 99, 8810-8818.	9.6	185
12	Biological nitrogen removal with enhanced phosphate uptake in a sequencing batch reactor using single sludge system. Water Research, 2001, 35, 3968-3976.	11.3	176
13	Use of dead fungal biomass for the detoxification of hexavalent chromium: screening and kinetics. Process Biochemistry, 2005, 40, 2559-2565.	3.7	176
14	Soil washing using various nonionic surfactants and their recovery by selective adsorption with activated carbon. Journal of Hazardous Materials, 2008, 154, 153-160.	12.4	141
15	Bacterial and methanogenic archaeal communities during the single-stage anaerobic digestion of high-strength food wastewater. Bioresource Technology, 2014, 165, 174-182.	9.6	140
16	Biological hydrogen production by immobilized cells of Clostridium tyrobutyricum JM1 isolated from a food waste treatment process. Bioresource Technology, 2008, 99, 6666-6672.	9.6	138
17	Optimization of key process variables for enhanced hydrogen production by Enterobacter aerogenes using statistical methods. Bioresource Technology, 2008, 99, 2061-2066.	9.6	132
18	Biodiesel production by various oleaginous microorganisms from organic wastes. Bioresource Technology, 2018, 256, 502-508.	9.6	132

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19	Comprehensive study on a two-stage anaerobic digestion process for the sequential production of hydrogen and methane from cost-effective molasses. International Journal of Hydrogen Energy, 2010, 35, 6194-6202.	7.1	120
20	Influence of thermophilic aerobic digestion as a sludge pre-treatment and solids retention time ofÂmesophilic anaerobic digestion on the methane production, sludge digestion and microbial communities in a sequential digestion process. Water Research, 2014, 48, 1-14.	11.3	119
21	Hybrid neural network modeling of a full-scale industrial wastewater treatment process. Biotechnology and Bioengineering, 2002, 78, 670-682.	3.3	105
22	Biodiesel production from Scenedesmus bijuga grown in anaerobically digested food wastewater effluent. Bioresource Technology, 2015, 184, 215-221.	9.6	105
23	Process stability and microbial community structure in anaerobic hydrogen-producing microflora from food waste containing kimchi. Journal of Biotechnology, 2007, 131, 300-308.	3.8	104
24	Bioaugmentation of cyanide-degrading microorganisms in a full-scale cokes wastewater treatment facility. Bioresource Technology, 2008, 99, 2092-2096.	9.6	102
25	Effect of increased load of high-strength food wastewater in thermophilic and mesophilic anaerobic co-digestion of waste activated sludge on bacterial community structure. Water Research, 2016, 99, 140-148.	11.3	98
26	Kinetic modeling of the light-dependent photosynthetic activity of the green microalgaChlorella vulgaris. Biotechnology and Bioengineering, 2003, 83, 303-311.	3.3	97
27	Kinetics of the reduction of hexavalent chromium with the brown seaweed Ecklonia biomass. Chemosphere, 2007, 66, 939-946.	8.2	97
28	Effect of HRT on the biological pre-denitrification process for the simultaneous removal of toxic pollutants from cokes wastewater. Bioresource Technology, 2008, 99, 8824-8832.	9.6	94
29	Sequential dilute acid and alkali pretreatment of corn stover: Sugar recovery efficiency and structural characterization. Bioresource Technology, 2015, 182, 296-301.	9.6	94
30	Influence of operational parameters on nitrogen removal efficiency and microbial communities in a full-scale activated sludge process. Water Research, 2011, 45, 5785-5795.	11.3	93
31	Biosorption Process for Treatment of Electroplating Wastewater Containing Cr(VI):Â Laboratory-Scale Feasibility Test. Industrial & Engineering Chemistry Research, 2006, 45, 5059-5065.	3.7	91
32	Mechanisms of the removal of hexavalent chromium by biomaterials or biomaterial-based activated carbons. Journal of Hazardous Materials, 2006, 137, 1254-1257.	12.4	90
33	Neural network modeling for on-line estimation of nutrient dynamics in a sequentially-operated batch reactor. Journal of Biotechnology, 1999, 75, 229-239.	3.8	88
34	Enhanced microalgal biomass and lipid production from a consortium of indigenous microalgae and bacteria present in municipal wastewater under gradually mixotrophic culture conditions. Bioresource Technology, 2017, 228, 290-297.	9.6	88
35	How to study Cr(VI) biosorption: Use of fermentation waste for detoxifying Cr(VI) in aqueous solution. Chemical Engineering Journal, 2008, 136, 173-179.	12.7	87
36	Advanced kinetic model of the Cr(VI) removal by biomaterials at various pHs and temperatures. Bioresource Technology, 2008, 99, 1141-1147.	9.6	86

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37	Adaptive multiscale principal component analysis for on-line monitoring of a sequencing batch reactor. Journal of Biotechnology, 2005, 116, 195-210.	3.8	81
38	Effects of free cyanide on microbial communities and biological carbon and nitrogen removal performance in the industrial activated sludge process. Water Research, 2011, 45, 1267-1279.	11.3	79
39	Micro precipitation of lead on the surface of crab shell particles. Process Biochemistry, 1997, 32, 671-677.	3.7	77
40	Attenuation of monochromatic and polychromatic lights in Chlorella vulgaris suspensions. Applied Microbiology and Biotechnology, 2001, 55, 765-770.	3.6	77
41	Bioconversion of volatile fatty acids from macroalgae fermentation into microbial lipids by oleaginous yeast. Chemical Engineering Journal, 2015, 264, 735-743.	12.7	73
42	Production of biodiesel from carbon sources of macroalgae, Laminaria japonica. Bioresource Technology, 2014, 169, 455-461.	9.6	71
43	Microbial communities in activated sludge performing enhanced biological phosphorus removal in a sequencing batch reactor. Water Research, 2003, 37, 2195-2205.	11.3	70
44	Instability of biological nitrogen removal in a cokes wastewater treatment facility during summer. Journal of Hazardous Materials, 2007, 141, 27-32.	12.4	69
45	Parallel hybrid modeling methods for a full-scale cokes wastewater treatment plant. Journal of Biotechnology, 2005, 115, 317-328.	3.8	67
46	Synergic degradation of phenanthrene by consortia of newly isolated bacterial strains. Journal of Biotechnology, 2009, 144, 293-298.	3.8	67
47	Monitoring of sequencing batch reactor for nitrogen and phosphorus removal using neural networks. Biochemical Engineering Journal, 2007, 35, 365-370.	3.6	66
48	The effects of pH on carbon material and energy balances in hydrogen-producing Clostridium tyrobutyricum JM1. Bioresource Technology, 2008, 99, 8485-8491.	9.6	66
49	Nonlinear dynamic partial least squares modeling of a full-scale biological wastewater treatment plant. Process Biochemistry, 2006, 41, 2050-2057.	3.7	65
50	Effects of pH control and concentration on microbial oil production from Chlorella vulgaris cultivated in the effluent of a low-cost organic waste fermentation system producing volatile fatty acids. Bioresource Technology, 2015, 184, 245-250.	9.6	63
51	Comprehensive microbial analysis of combined mesophilic anaerobicâ€“thermophilic aerobic process treating high-strength food wastewater. Water Research, 2015, 73, 291-303.	11.3	62
52	Evaluation of Factors Promoting Astaxanthin Production by a Unicellular Green Alga, Haematococcus pluvialis, with Fractional Factorial Design. Biotechnology Progress, 2002, 18, 1170-1175.	2.6	59
53	Influence of temperature on volatile fatty acid production and microbial community structure during anaerobic fermentation of microalgae. Bioresource Technology, 2015, 191, 475-480.	9.6	59
54	Predictive combinatorial design of mRNA translation initiation regions for systematic optimization of gene expression levels. Scientific Reports, 2014, 4, 4515.	3.3	59

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55	Enhancing biomass and ethanol production by increasing NADPH production in Synechocystis sp. PCC 6803. Bioresource Technology, 2016, 213, 54-57.	9.6	58
56	Modeling and Optimization of Photosynthetic Hydrogen Gas Production by Green Alga Chlamydomonas reinhardtii in Sulfur-Deprived Circumstance. Biotechnology Progress, 2006, 22, 431-437.	2.6	56
57	Influences of organic loading disturbances on the performance of anaerobic filter process to treat purified terephthalic acid wastewater. Bioresource Technology, 2009, 100, 2457-2461.	9.6	56
58	Chromium Biosorption by Thermally Treated Biomass of the Brown Seaweed,Ecklonia sp.. Industrial & Engineering Chemistry Research, 2004, 43, 8226-8232.	3.7	55
59	Enzyme/whole-cell biotransformation of plant oils, yeast derived oils, and microalgae fatty acid methyl esters into n-nonanoic acid, 9-hydroxynonanoic acid, and 1,9-nonanedioic acid. Bioresource Technology, 2018, 251, 288-294.	9.6	55
60	Synergistic effects of sequential treatment with methyl jasmonate, salicylic acid and yeast extract on benzophenanthridine alkaloid accumulation and protein expression in Eschscholtzia californica suspension cultures. Journal of Biotechnology, 2008, 135, 117-122.	3.8	54
61	Real-time remote monitoring of small-scaled biological wastewater treatment plants by a multivariate statistical process control and neural network-based software sensors. Process Biochemistry, 2008, 43, 1107-1113.	3.7	53
62	Sudden failure of biological nitrogen and carbon removal in the full-scale pre-denitrification process treating cokes wastewater. Bioresource Technology, 2009, 100, 4340-4347.	9.6	53
63	Cryopreservation ofPapaver somniferumCell Suspension Cultures*. Planta Medica, 1991, 57, 53-55.	1.3	52
64	Removal of cadmium using acid-treated activated carbon in the presence of nonionic and/or anionic surfactants. Hydrometallurgy, 2009, 99, 209-213.	4.3	52
65	Biological nitrogen removal from coke plant wastewater with external carbon addition. Water Environment Research, 1998, 70, 1090-1095.	2.7	51
66	Selective adsorption of phenanthrene in nonionicâ€“anionic surfactant mixtures using activated carbon. Chemical Engineering Journal, 2010, 158, 115-119.	12.7	51
67	Enhanced Biological Phosphorus Removal in an Anaerobic-Aerobic Sequencing Batch Reactor: Effect of pH. Water Environment Research, 2001, 73, 301-306.	2.7	49
68	Pyrolytic production of phenolic compounds from the lignin residues of bioethanol processes. Chemical Engineering Journal, 2015, 259, 107-116.	12.7	49
69	Thiocyanate degradation by Acremonium strictum and inhibition by secondary toxicants. Biotechnology Letters, 2002, 24, 1347-1351.	2.2	48
70	Environmental and economic feasibility study of a total wastewater treatment network system. Journal of Environmental Management, 2008, 88, 564-575.	7.8	47
71	Engineering the pentose phosphate pathway to improve hydrogen yield in recombinant Escherichia coli. Biotechnology and Bioengineering, 2011, 108, 2941-2946.	3.3	46
72	Statistical optimization of key process variables for enhanced hydrogen production by newly isolated Clostridium tyrobutyricum JM1. International Journal of Hydrogen Energy, 2008, 33, 5176-5183.	7.1	44

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73	Enhanced accumulation of decursin and decursinol angelate in root cultures and intact roots of Angelica gigas Nakai following elicitation. Plant Cell, Tissue and Organ Culture, 2010, 101, 295-302.	2.3	44
74	Molecular characterization and homologous overexpression of [FeFe]-hydrogenase in Clostridium tyrobutyricum JM1. International Journal of Hydrogen Energy, 2010, 35, 1065-1073.	7.1	43
75	Long term assessment of factors affecting nitrifying bacteria communities and N-removal in a full-scale biological process treating high strength hazardous wastewater. Bioresource Technology, 2013, 134, 180-189.	9.6	43
76	A genetic approach for microbial electrosynthesis system as biocommodities production platform. Bioresource Technology, 2017, 245, 1421-1429.	9.6	43
77	Microbial community structure in a thermophilic aerobic digester used as a sludge pretreatment process for the mesophilic anaerobic digestion and the enhancement of methane production. Bioresource Technology, 2013, 145, 80-89.	9.6	42
78	Reactor performance and methanogenic archaea species in thermophilic anaerobic co-digestion of waste activated sludge mixed with food wastewater. Chemical Engineering Journal, 2015, 276, 20-28.	12.7	42
79	Bioethanol production from mannitol by a newly isolated bacterium, Enterobacter sp. JMP3. Bioresource Technology, 2013, 135, 199-206.	9.6	41
80	Interfactory and Intrafactory Water Network System To Remodel a Conventional Industrial Park to a Green Eco-industrial Park. Industrial & Engineering Chemistry Research, 2010, 49, 1351-1358.	3.7	40
81	Sequential sludge digestion after diverse pre-treatment conditions: Sludge removal, methane production and microbial community changes. Bioresource Technology, 2014, 162, 331-340.	9.6	39
82	Mechanism and kinetics of Cr(VI) reduction by waste slag generated from iron making industry. Hydrometallurgy, 2008, 93, 72-75.	4.3	38
83	Treatment of food wastes using slurry-phase decomposition. Bioresource Technology, 2000, 73, 21-27.	9.6	37
84	Comment on the Removal Mechanism of Hexavalent Chromium by Biomaterials or Biomaterial-Based Activated Carbons. Industrial & Engineering Chemistry Research, 2006, 45, 2405-2407.	3.7	37
85	Multi-scale extension of PLS algorithm for advanced on-line process monitoring. Chemometrics and Intelligent Laboratory Systems, 2009, 98, 201-212.	3.5	36
86	Response of nitrifying bacterial communities to the increased thiocyanate concentration in pre-denitrification process. Bioresource Technology, 2011, 102, 913-922.	9.6	36
87	Comparison of different bioreactor systems for indirect H2S removal using iron-oxidizing bacteria. Process Biochemistry, 2005, 40, 1461-1467.	3.7	35
88	System optimization for eco-design by using monetization of environmental impacts: a strategy to convert bi-objective to single-objective problems. Journal of Cleaner Production, 2013, 39, 303-311.	9.3	33
89	Chemical treatment for treating cyanides-containing effluent from biological cokes wastewater treatment process. Chemical Engineering Journal, 2008, 143, 141-146.	12.7	31
90	Enhanced sorption of phenanthrene on activated carbon in surfactant solution. Carbon, 2008, 46, 1401-1410.	10.3	31

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91	Characterization of ammonia-based CO2 capture process using ion speciation. International Journal of Greenhouse Gas Control, 2011, 5, 1606-1613.	4.6	31
92	Optimum condition for the removal of Cr(VI) or total Cr using dried leaves of Pinus densiflora. Desalination, 2011, 271, 309-314.	8.2	31
93	An innovative sewage sludge reduction by using a combined mesophilic anaerobic and thermophilic aerobic process with thermal-alkaline treatment and sludge recirculation. Journal of Environmental Management, 2013, 129, 274-282.	7.8	31
94	Evaluation of drum bioreactor performance used for decontamination of soil polluted with polycyclic aromatic hydrocarbons. Journal of Chemical Technology and Biotechnology, 1999, 74, 937-944.	3.2	29
95	Multivariate Online Monitoring of a Full-Scale Biological Anaerobic Filter Process Using Kernel-Based Algorithms. Industrial & Engineering Chemistry Research, 2006, 45, 4335-4344.	3.7	29
96	Determination of the time transferring cells for astaxanthin production considering two-stage process of Haematococcus pluvialis cultivation. Bioresource Technology, 2011, 102, 11249-11253.	9.6	29
97	Engineering glyceraldehydeâ€3â€phosphate dehydrogenase for switching control of glycolysis in Escherichia coli. Biotechnology and Bioengineering, 2012, 109, 2612-2619.	3.3	29
98	Biodegradation of cyanide compounds by Pseudomonas fluorescens immobilized on zeolite. Enzyme and Microbial Technology, 1994, 16, 529-533.	3.2	28
99	Development of gas recycling photobioreactor system for microalgal carbon dioxide fixation. Korean Journal of Chemical Engineering, 1997, 14, 297-300.	2.7	28
100	Removal of Lead in a Fixed-Bed Column Packed with Activated Carbon and Crab Shell. Separation Science and Technology, 1998, 33, 1043-1056.	2.5	28
101	Column study on Cr(VI)-reduction using the brown seaweed Ecklonia biomass. Journal of Hazardous Materials, 2006, 137, 1377-1384.	12.4	28
102	Enhanced abiotic reduction of Cr(VI) in a soil slurry system by natural biomaterial addition. Journal of Hazardous Materials, 2008, 160, 422-427.	12.4	28
103	Effect of Ni(II) on the reduction of Cr(VI) by Ecklonia biomass. Bioresource Technology, 2006, 97, 1592-1598.	9.6	27
104	One-dimensional mixed-culture biofilm model considering different space occupancies of particulate components. Water Research, 2007, 41, 4317-4328.	11.3	27
105	Environmental indicators for communication of life cycle impact assessment results and their applications. Journal of Environmental Management, 2009, 90, 3305-3312.	7.8	27
106	Enhancement of CO2 tolerance of Chlorella vulgaris by gradual increase of CO2 concentration. Biotechnology Letters, 1996, 10, 713.	0.5	26
107	Environmental and economic analysis of a water network system using LCA and LCC. AICHE Journal, 2007, 53, 3253-3262.	3.6	26
108	Environmental impact minimization of a total wastewater treatment network system from a life cycle perspective. Journal of Environmental Management, 2009, 90, 1454-1462.	7.8	26

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109	List-Based Threshold-Accepting Algorithm for Zero-Wait Scheduling of Multiproduct Batch Plants. Industrial & Engineering Chemistry Research, 2002, 41, 6579-6588.	3.7	25
110	A novel threshold accepting meta-heuristic for the job-shop scheduling problem. Computers and Operations Research, 2004, 31, 2199-2213.	4.0	25
111	Economic Evaluation of a Water Network System through the Net Present Value Method Based on Cost and Benefit Estimations. Industrial & Engineering Chemistry Research, 2006, 45, 7710-7718.	3.7	25
112	Cooperative Water Network System to Reduce Carbon Footprint. Environmental Science & Technology, 2008, 42, 6230-6236.	10.0	25
113	The effects of Cu(II) ion as an additive on NH3 loss and CO2 absorption in ammonia-based CO2 capture processes. Chemical Engineering Journal, 2012, 211-212, 327-335.	12.7	25
114	Sequential treatment of PTA wastewater in a two-stage UASB process: Focusing on p-toluate degradation and microbial distribution. Water Research, 2012, 46, 2805-2814.	11.3	25
115	Process-based life cycle CO2 assessment of an ammonia-based carbon capture and storage system. Journal of Industrial and Engineering Chemistry, 2019, 76, 223-232.	5.8	24
116	Effects of organic loading rates on reactor performance and microbial community changes during thermophilic aerobic digestion process of high-strength food wastewater. Bioresource Technology, 2013, 148, 261-269.	9.6	23
117	Response surface method for optimization of phenolic compounds production by lignin pyrolysis. Journal of Analytical and Applied Pyrolysis, 2016, 120, 409-415.	5.5	23
118	Changes in microbial communities during volatile fatty acid production from cyanobacterial biomass harvested from a cyanobacterial bloom in a river. Chemosphere, 2018, 202, 306-311.	8.2	23
119	Surface solubilization of phenanthrene by surfactant sorbed on soils with different organic matter contents. Journal of Hazardous Materials, 2010, 177, 799-806.	12.4	22
120	Comparative study of free cyanide inhibition on nitrification and denitrification in batch and continuous flow systems. Desalination, 2011, 279, 439-444.	8.2	22
121	Comment on â€œChromate ion adsorption by agricultural by-products modified with dimethyloldihydroxylethylene urea and choline chlorideâ€•by Wartelle and Marshall. Water Research, 2006, 40, 1501-1504.	11.3	21
122	Acetyl-CoA-derived biofuel and biochemical production in cyanobacteria: a mini review. Journal of Applied Phycology, 2020, 32, 1643-1653.	2.8	21
123	phenanthrene biodegradation in soil slurry systems: Influence of salicylate and triton X-100. Korean Journal of Chemical Engineering, 2004, 21, 412-418.	2.7	20
124	Metal Recovery from Electroplating Wastewater Using Acidophilic Iron Oxidizing Bacteria:â€‰ Pilot-Scale Feasibility Test. Industrial & Engineering Chemistry Research, 2005, 44, 1854-1859.	3.7	20
125	Robust Adaptive Partial Least Squares Modeling of a Full-Scale Industrial Wastewater Treatment Process. Industrial & Engineering Chemistry Research, 2007, 46, 955-964.	3.7	20
126	Volatile fatty acid recovery by anaerobic fermentation from blue-green algae: Effect of pretreatment. Bioresource Technology, 2017, 244, 1433-1438.	9.6	20

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127	Selective adsorption of flavonoid compounds from the leaf extract of Ginkgo bilobaL.. Biotechnology Letters, 1997, 11, 553-556.	0.5	19
128	Opportunity and challenge of seaweed bioethanol based on life cycle CO₂ assessment. Environmental Progress and Sustainable Energy, 2017, 36, 200-207.	2.3	18
129	Synthesis of an Environmentally Friendly Water Network System. Industrial & Engineering Chemistry Research, 2008, 47, 1988-1994.	3.7	17
130	Efficient harvesting of Synechocystis sp. PCC 6803 with filamentous fungal pellets. Journal of Applied Phycology, 2016, 28, 2225-2231.	2.8	17
131	Synthesis of an Economically Friendly Water Network System by Maximizing Net Present Value. Industrial & Engineering Chemistry Research, 2007, 46, 6936-6943.	3.7	16
132	Biological carbon monoxide conversion to acetate production by mixed culture. Bioresource Technology, 2016, 211, 478-485.	9.6	16
133	Root Culture Using a Mist Culture System and Estimation of Scale-up Feasibility. Journal of Chemical Technology and Biotechnology, 1996, 65, 355-362.	3.2	15
134	Estimation of direct-contact fraction for phenanthrene in surfactant solutions by toxicity measurement. Journal of Biotechnology, 2007, 131, 448-457.	3.8	15
135	Enhanced benzophenanthridine alkaloid production and protein expression with combined elicitor in Eschscholtzia californica suspension cultures. Biotechnology Letters, 2007, 29, 2001-2005.	2.2	14
136	Isolation of the polysaccharidase-producing bacteria from the gut of sea snail, Batillus cornutus. Korean Journal of Chemical Engineering, 2011, 28, 1252-1259.	2.7	14
137	Differential induction of protein expression and benzophenanthridine alkaloid accumulation in Eschscholtzia californica suspension cultures by methyl jasmonate and yeast extract. Journal of Microbiology and Biotechnology, 2008, 18, 255-62.	2.1	14
138	Long-term operation of slurry bioreactor for decomposition of food wastes. Bioresource Technology, 2002, 84, 101-104.	9.6	13
139	Quantitative Sustainability Assessment of Seaweed Biomass as Bioethanol Feedstock. Bioenergy Research, 2014, 7, 974-985.	3.9	13
140	Sequential Degradation of Phenol and Cyanide by a Commensal Interaction Between Two Microorganisms. Journal of Chemical Technology and Biotechnology, 1997, 69, 226-230.	3.2	12
141	High-rate slurry-phase decomposition of food wastes: indirect performance estimation from dissolved oxygen. Process Biochemistry, 2005, 40, 1301-1306.	3.7	12
142	Enhanced Biological Phosphorus Removal in an Anaerobic-Aerobic Sequencing Batch Reactor: Characteristics of Carbon Metabolism. Water Environment Research, 2001, 73, 295-300.	2.7	11
143	Multistage Operation of Airlift Photobioreactor for Increased Production of Astaxanthin from Haematococcus pluvialis. Journal of Microbiology and Biotechnology, 2011, 21, 1081-1087.	2.1	11
144	Continuous Production of Uniform Calcium Alginate Beads by Sound Wave Induced Vibration. Journal of Chemical Technology and Biotechnology, 1996, 67, 255-259.	3.2	10

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145	Selective strontium adsorption using synthesized sodium titanate in aqueous solution. RSC Advances, 2022, 12, 18936-18944.	3.6	10
146	Reclamation of wastewater from a steel-making plant using an airlift submerged biofilm reactor. Journal of Chemical Technology and Biotechnology, 1998, 73, 162-168.	3.2	9
147	Patterns of protein expression upon adding sugar and elicitor to the cell culture of Eschscholtzia californica. Plant Cell, Tissue and Organ Culture, 2006, 86, 257-269.	2.3	9
148	Mathematical evaluation of intermediates accumulation during microbial phenanthrene degradation. Korean Journal of Chemical Engineering, 2006, 23, 415-418.	2.7	9
149	Analysis of effects of an objective function on environmental and economic performance of a water network system using life cycle assessment and life cycle costing methods. Chemical Engineering Journal, 2008, 144, 368-378.	12.7	9
150	Life Cycle Cost Minimization of a Total Wastewater Treatment Network System. Industrial & Engineering Chemistry Research, 2009, 48, 2965-2971.	3.7	9
151	Induction of branch roots by cutting method in t Hyoscyamus niger root culture. Plant Cell, Tissue and Organ Culture, 1997, 48, 131-134.	2.3	8
152	Analysis of benzo[c]phenanthridine alkaloids in Eschscholtzia californica cell culture using HPLC-DAD and HPLC-ESI-MS/MS. Bioscience, Biotechnology and Biochemistry, 2014, 78, 1103-1111.	1.3	8
153	Cell-Free Transcription-Coupled CRISPR/Cas12a Assay for Prototyping Cyanobacterial Promoters. ACS Synthetic Biology, 2021, 10, 1300-1307.	3.8	8
154	Production of scopolamine by normal root culture of Hyoscyamus niger. Biotechnology Letters, 1995, 17, 921-926.	2.2	7
155	Individualâ€based and stochastic modeling of cell population dynamics considering substrate dependency. Biotechnology and Bioengineering, 2009, 103, 891-899.	3.3	7
156	Consideration of the methods for evaluating the Cr(VI)-removing capacity of biomaterial. Korean Journal of Chemical Engineering, 2011, 28, 831-836.	2.7	7
157	Maximizing the utilization of Laminaria japonica as biomass via improvement of alginate lyase activity in a twoâ€phase fermentation system. Biotechnology Journal, 2015, 10, 1281-1288.	3.5	7
158	Magnetic Steel Slag Biochar for Ammonium Nitrogen Removal from Aqueous Solution. Energies, 2021, 14, 2682.	3.1	7
159	Effects of the ratio of carbon to nitrogen concentration on lipid production by bacterial consortium of sewage sludge using food wastewater as a carbon source. Korean Journal of Chemical Engineering, 2016, 33, 1805-1812.	2.7	6
160	Expression of functional human-cytosolic Cu/Zn superoxide dismutase in transgenic tobacco. Biotechnology Letters, 2002, 24, 681-686.	2.2	5
161	Experimental Studies of Additives for Suppression of Ammonia Vaporization in the Ammonia based CO2 Capture Process. Energy Procedia, 2013, 37, 7108-7116.	1.8	5
162	A Novel 3,6-anhydro-L-galactose Dehydrogenase Produced by a Newly Isolated Raoultella ornithinolytica B6-JMP12. Biotechnology and Bioprocess Engineering, 2018, 23, 64-71.	2.6	5

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163	Carbon Dioxide Fixation by Algal Cultivation Using Wastewater Nutrients. Journal of Chemical Technology and Biotechnology, 1997, 69, 451-455.	3.2	5
164	Improvement of Hydrogen Production Yield by Rebalancing NADPH/NADH Ratio in a Recombinant Escherichia coli. Journal of Nanoelectronics and Optoelectronics, 2011, 6, 343-347.	0.5	5
165	Control of External Carbon Addition in Biological Nitrogen Removal Process for the Treatment of Coke-Plant Wastewater. Water Environment Research, 2001, 73, 415-425.	2.7	4
166	Positive and negative effects of excessive water reuse to be considered in water network synthesis. Korean Journal of Chemical Engineering, 2011, 28, 511-518.	2.7	2
167	Special issue on International Biotechnology Symposium, IBS-2012: September 16â€“21, Daegu, Korea. Bioresource Technology, 2013, 145, 1.	9.6	2
168	Evaluation of Scenedesmus rubescens for Lipid Production from Swine Wastewater Blended with Municipal Wastewater. Energies, 2020, 13, 4895.	3.1	2
169	Environmental benefits of seaweed biomass as a bioenergy feedstock. Journal of Biotechnology, 2014, 185, S120.	3.8	1
170	Comment on â€œSorption of Cr(VI) from dilute solutions and wastewater by live and pretreated biomass of Aspergillus flavusâ€•by Deepa et al.. Chemosphere, 2006, 63, 1060-1062.	8.2	0
171	Molecular isolation of [FeFe]-hydrogenase from Clostridium tyrobutyricum JM1 and construction of recombinant plasmid. Journal of Biotechnology, 2008, 136, S622.	3.8	0
172	Synthesis of hydrogen hyper-producer: A multi-scale approach beyond pathway engineering. Journal of Bioscience and Bioengineering, 2009, 108, S76.	2.2	0
173	Determination of Plasmid Stability in Hydrogen-Producing Recombinant <I>Clostridium tyrobutyricum</I> JM1 by Real-Time PCR Quantification. Journal of Nanoelectronics and Optoelectronics, 2010, 5, 257-261.	0.5	0
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