

Jong Moon Park

List of Publications by Year in descending order

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174
papers

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28274

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all docs

176
docs citations

176
times ranked

10281
citing authors

#	ARTICLE	IF	CITATIONS
1	Selective strontium adsorption using synthesized sodium titanate in aqueous solution. RSC Advances, 2022, 12, 18936-18944.	3.6	10
2	Cell-Free Transcription-Coupled CRISPR/Cas12a Assay for Prototyping Cyanobacterial Promoters. ACS Synthetic Biology, 2021, 10, 1300-1307.	3.8	8
3	Magnetic Steel Slag Biochar for Ammonium Nitrogen Removal from Aqueous Solution. Energies, 2021, 14, 2682.	3.1	7
4	Evaluation of <i>Scenedesmus rubescens</i> for Lipid Production from Swine Wastewater Blended with Municipal Wastewater. Energies, 2020, 13, 4895.	3.1	2
5	Acetyl-CoA-derived biofuel and biochemical production in cyanobacteria: a mini review. Journal of Applied Phycology, 2020, 32, 1643-1653.	2.8	21
6	Process-based life cycle CO ₂ assessment of an ammonia-based carbon capture and storage system. Journal of Industrial and Engineering Chemistry, 2019, 76, 223-232.	5.8	24
7	Biodiesel production by various oleaginous microorganisms from organic wastes. Bioresource Technology, 2018, 256, 502-508.	9.6	132
8	A Novel 3,6-anhydro-L-galactose Dehydrogenase Produced by a Newly Isolated <i>Raoultella ornithinolytica</i> B6-JMP12. Biotechnology and Bioprocess Engineering, 2018, 23, 64-71.	2.6	5
9	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
10	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
11	Optimizing Lipid Accumulation Content by <i>Cryptococcus curvatus</i> Using Response Surface Methodology and Molasses as Sole Carbon Source. Current Environmental Engineering, 2018, 5, 211-220.	0.6	0
12	A genetic approach for microbial electrosynthesis system as biocommodities production platform. Bioresource Technology, 2017, 245, 1421-1429.	9.6	43
13	Volatile fatty acid recovery by anaerobic fermentation from blue-green algae: Effect of pretreatment. Bioresource Technology, 2017, 244, 1433-1438.	9.6	20
14	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
15	Opportunity and challenge of seaweed bioethanol based on life cycle CO ₂ assessment. Environmental Progress and Sustainable Energy, 2017, 36, 200-207.	2.3	18
16	Enhancing biomass and ethanol production by increasing NADPH production in <i>Synechocystis</i> sp. PCC 6803. Bioresource Technology, 2016, 213, 54-57.	9.6	58
17	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
18	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

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19	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
20	Biological carbon monoxide conversion to acetate production by mixed culture. Bioresource Technology, 2016, 211, 478-485.	9.6	16
21	Efficient harvesting of <i>Synechocystis</i> sp. PCC 6803 with filamentous fungal pellets. Journal of Applied Phycology, 2016, 28, 2225-2231.	2.8	17
22	Maximizing the utilization of <i>Laminaria japonica</i> as biomass via improvement of alginate lyase activity in a two-phase fermentation system. Biotechnology Journal, 2015, 10, 1281-1288.	3.5	7
23	Biodiesel production from <i>Scenedesmus bijuga</i> grown in anaerobically digested food wastewater effluent. Bioresource Technology, 2015, 184, 215-221.	9.6	105
24	Comprehensive microbial analysis of combined mesophilic anaerobic–thermophilic aerobic process treating high-strength food wastewater. Water Research, 2015, 73, 291-303.	11.3	62
25	Sequential dilute acid and alkali pretreatment of corn stover: Sugar recovery efficiency and structural characterization. Bioresource Technology, 2015, 182, 296-301.	9.6	94
26	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
27	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
28	Bioconversion of volatile fatty acids from macroalgae fermentation into microbial lipids by oleaginous yeast. Chemical Engineering Journal, 2015, 264, 735-743.	12.7	73
29	Effects of pH control and concentration on microbial oil production from <i>Chlorella vulgaris</i> 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
30	Pyrolytic production of phenolic compounds from the lignin residues of bioethanol processes. Chemical Engineering Journal, 2015, 259, 107-116.	12.7	49
31	Influence of thermophilic aerobic digestion as a sludge pre-treatment and solids retention time of mesophilic 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
32	Environmental benefits of seaweed biomass as a bioenergy feedstock. Journal of Biotechnology, 2014, 185, S120.	3.8	1
33	Analysis of benzo[c]phenanthridine alkaloids in <i>Eschscholtzia californica</i> cell culture using HPLC-DAD and HPLC-ESI-MS/MS. Bioscience, Biotechnology and Biochemistry, 2014, 78, 1103-1111.	1.3	8
34	Production of biodiesel from carbon sources of macroalgae, <i>Laminaria japonica</i> . Bioresource Technology, 2014, 169, 455-461.	9.6	71
35	Quantitative Sustainability Assessment of Seaweed Biomass as Bioethanol Feedstock. Bioenergy Research, 2014, 7, 974-985.	3.9	13
36	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

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37	Sequential sludge digestion after diverse pre-treatment conditions: Sludge removal, methane production and microbial community changes. <i>Bioresource Technology</i> , 2014, 162, 331-340.	9.6	39
38	Predictive combinatorial design of mRNA translation initiation regions for systematic optimization of gene expression levels. <i>Scientific Reports</i> , 2014, 4, 4515.	3.3	59
39	Bioethanol production from mannitol by a newly isolated bacterium, <i>Enterobacter</i> sp. JMP3. <i>Bioresource Technology</i> , 2013, 135, 199-206.	9.6	41
40	Potentials of macroalgae as feedstocks for biorefinery. <i>Bioresource Technology</i> , 2013, 135, 182-190.	9.6	399
41	Effects of organic loading rates on reactor performance and microbial community changes during thermophilic aerobic digestion process of high-strength food wastewater. <i>Bioresource Technology</i> , 2013, 148, 261-269.	9.6	23
42	An innovative sewage sludge reduction by using a combined mesophilic anaerobic and thermophilic aerobic process with thermal-alkaline treatment and sludge recirculation. <i>Journal of Environmental Management</i> , 2013, 129, 274-282.	7.8	31
43	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. <i>Bioresource Technology</i> , 2013, 145, 80-89.	9.6	42
44	Experimental Studies of Additives for Suppression of Ammonia Vaporization in the Ammonia based CO ₂ Capture Process. <i>Energy Procedia</i> , 2013, 37, 7108-7116.	1.8	5
45	System optimization for eco-design by using monetization of environmental impacts: a strategy to convert bi-objective to single-objective problems. <i>Journal of Cleaner Production</i> , 2013, 39, 303-311.	9.3	33
46	Special issue on International Biotechnology Symposium, IBS-2012: September 16-21, Daegu, Korea. <i>Bioresource Technology</i> , 2013, 145, 1.	9.6	2
47	Long term assessment of factors affecting nitrifying bacteria communities and N-removal in a full-scale biological process treating high strength hazardous wastewater. <i>Bioresource Technology</i> , 2013, 134, 180-189.	9.6	43
48	The effects of Cu(II) ion as an additive on NH ₃ loss and CO ₂ absorption in ammonia-based CO ₂ capture processes. <i>Chemical Engineering Journal</i> , 2012, 211-212, 327-335.	12.7	25
49	Sequential treatment of PTA wastewater in a two-stage UASB process: Focusing on p-toluate degradation and microbial distribution. <i>Water Research</i> , 2012, 46, 2805-2814.	11.3	25
50	Engineering glyceraldehyde-3-phosphate dehydrogenase for switching control of glycolysis in <i>Escherichia coli</i> . <i>Biotechnology and Bioengineering</i> , 2012, 109, 2612-2619.	3.3	29
51	Characterization of ammonia-based CO ₂ capture process using ion speciation. <i>International Journal of Greenhouse Gas Control</i> , 2011, 5, 1606-1613.	4.6	31
52	Effects of free cyanide on microbial communities and biological carbon and nitrogen removal performance in the industrial activated sludge process. <i>Water Research</i> , 2011, 45, 1267-1279.	11.3	79
53	Influence of operational parameters on nitrogen removal efficiency and microbial communities in a full-scale activated sludge process. <i>Water Research</i> , 2011, 45, 5785-5795.	11.3	93
54	Comparative study of free cyanide inhibition on nitrification and denitrification in batch and continuous flow systems. <i>Desalination</i> , 2011, 279, 439-444.	8.2	22

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55	Determination of the time transferring cells for astaxanthin production considering two-stage process of <i>Haematococcus pluvialis</i> cultivation. <i>Bioresource Technology</i> , 2011, 102, 11249-11253.	9.6	29
56	Positive and negative effects of excessive water reuse to be considered in water network synthesis. <i>Korean Journal of Chemical Engineering</i> , 2011, 28, 511-518.	2.7	2
57	Consideration of the methods for evaluating the Cr(VI)-removing capacity of biomaterial. <i>Korean Journal of Chemical Engineering</i> , 2011, 28, 831-836.	2.7	7
58	Isolation of the polysaccharidase-producing bacteria from the gut of sea snail, <i>Batillus cornutus</i> . <i>Korean Journal of Chemical Engineering</i> , 2011, 28, 1252-1259.	2.7	14
59	Engineering the pentose phosphate pathway to improve hydrogen yield in recombinant <i>Escherichia coli</i> . <i>Biotechnology and Bioengineering</i> , 2011, 108, 2941-2946.	3.3	46
60	Response of nitrifying bacterial communities to the increased thiocyanate concentration in pre-denitrification process. <i>Bioresource Technology</i> , 2011, 102, 913-922.	9.6	36
61	Optimum condition for the removal of Cr(VI) or total Cr using dried leaves of <i>Pinus densiflora</i> . <i>Desalination</i> , 2011, 271, 309-314.	8.2	31
62	Improvement of Hydrogen Production Yield by Rebalancing NADPH/NADH Ratio in a Recombinant <i>Escherichia coli</i> . <i>Journal of Nanoelectronics and Optoelectronics</i> , 2011, 6, 343-347.	0.5	5
63	Multistage Operation of Airlift Photobioreactor for Increased Production of Astaxanthin from <i>Haematococcus pluvialis</i> . <i>Journal of Microbiology and Biotechnology</i> , 2011, 21, 1081-1087.	2.1	11
64	Selective adsorption of phenanthrene in nonionic/anionic surfactant mixtures using activated carbon. <i>Chemical Engineering Journal</i> , 2010, 158, 115-119.	12.7	51
65	The past, present, and future trends of biosorption. <i>Biotechnology and Bioprocess Engineering</i> , 2010, 15, 86-102.	2.6	554
66	Enhanced accumulation of decursin and decursinol angelate in root cultures and intact roots of <i>Angelica gigas</i> Nakai following elicitation. <i>Plant Cell, Tissue and Organ Culture</i> , 2010, 101, 295-302.	2.3	44
67	Surface solubilization of phenanthrene by surfactant sorbed on soils with different organic matter contents. <i>Journal of Hazardous Materials</i> , 2010, 177, 799-806.	12.4	22
68	Molecular characterization and homologous overexpression of [FeFe]-hydrogenase in <i>Clostridium tyrobutyricum</i> JM1. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 1065-1073.	7.1	43
69	Comprehensive study on a two-stage anaerobic digestion process for the sequential production of hydrogen and methane from cost-effective molasses. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 6194-6202.	7.1	120
70	Interfactory and Intrafactory Water Network System To Remodel a Conventional Industrial Park to a Green Eco-industrial Park. <i>Industrial & Engineering Chemistry Research</i> , 2010, 49, 1351-1358.	3.7	40
71	Determination of Plasmid Stability in Hydrogen-Producing Recombinant <i>Clostridium tyrobutyricum</i> JM1 by Real-Time PCR Quantification. <i>Journal of Nanoelectronics and Optoelectronics</i> , 2010, 5, 257-261.	0.5	0
72	Synthesis of hydrogen hyper-producer: A multi-scale approach beyond pathway engineering. <i>Journal of Bioscience and Bioengineering</i> , 2009, 108, S76.	2.2	0

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73	Individual-based and stochastic modeling of cell population dynamics considering substrate dependency. <i>Biotechnology and Bioengineering</i> , 2009, 103, 891-899.	3.3	7
74	Environmental indicators for communication of life cycle impact assessment results and their applications. <i>Journal of Environmental Management</i> , 2009, 90, 3305-3312.	7.8	27
75	Influences of organic loading disturbances on the performance of anaerobic filter process to treat purified terephthalic acid wastewater. <i>Bioresource Technology</i> , 2009, 100, 2457-2461.	9.6	56
76	Removal of cadmium using acid-treated activated carbon in the presence of nonionic and/or anionic surfactants. <i>Hydrometallurgy</i> , 2009, 99, 209-213.	4.3	52
77	Environmental impact minimization of a total wastewater treatment network system from a life cycle perspective. <i>Journal of Environmental Management</i> , 2009, 90, 1454-1462.	7.8	26
78	Synergic degradation of phenanthrene by consortia of newly isolated bacterial strains. <i>Journal of Biotechnology</i> , 2009, 144, 293-298.	3.8	67
79	Multi-scale extension of PLS algorithm for advanced on-line process monitoring. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2009, 98, 201-212.	3.5	36
80	Sudden failure of biological nitrogen and carbon removal in the full-scale pre-denitrification process treating cokes wastewater. <i>Bioresource Technology</i> , 2009, 100, 4340-4347.	9.6	53
81	Life Cycle Cost Minimization of a Total Wastewater Treatment Network System. <i>Industrial & Engineering Chemistry Research</i> , 2009, 48, 2965-2971.	3.7	9
82	Chemical treatment for treating cyanides-containing effluent from biological cokes wastewater treatment process. <i>Chemical Engineering Journal</i> , 2008, 143, 141-146.	12.7	31
83	Real-time remote monitoring of small-scaled biological wastewater treatment plants by a multivariate statistical process control and neural network-based software sensors. <i>Process Biochemistry</i> , 2008, 43, 1107-1113.	3.7	53
84	XAS and XPS studies on chromium-binding groups of biomaterial during Cr(VI) biosorption. <i>Journal of Colloid and Interface Science</i> , 2008, 317, 54-61.	9.4	228
85	Environmental and economic feasibility study of a total wastewater treatment network system. <i>Journal of Environmental Management</i> , 2008, 88, 564-575.	7.8	47
86	Inhibitory effects of toxic compounds on nitrification process for cokes wastewater treatment. <i>Journal of Hazardous Materials</i> , 2008, 152, 915-921.	12.4	235
87	Soil washing using various nonionic surfactants and their recovery by selective adsorption with activated carbon. <i>Journal of Hazardous Materials</i> , 2008, 154, 153-160.	12.4	141
88	Enhanced abiotic reduction of Cr(VI) in a soil slurry system by natural biomaterial addition. <i>Journal of Hazardous Materials</i> , 2008, 160, 422-427.	12.4	28
89	Bioaugmentation of cyanide-degrading microorganisms in a full-scale cokes wastewater treatment facility. <i>Bioresource Technology</i> , 2008, 99, 2092-2096.	9.6	102
90	Biological hydrogen production by immobilized cells of <i>Clostridium tyrobutyricum</i> JM1 isolated from a food waste treatment process. <i>Bioresource Technology</i> , 2008, 99, 6666-6672.	9.6	138

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91	The effects of pH on carbon material and energy balances in hydrogen-producing <i>Clostridium tyrobutyricum</i> JM1. <i>Bioresource Technology</i> , 2008, 99, 8485-8491.	9.6	66
92	Development of a new Cr(VI)-biosorbent from agricultural biowaste. <i>Bioresource Technology</i> , 2008, 99, 8810-8818.	9.6	185
93	Effect of HRT on the biological pre-denitrification process for the simultaneous removal of toxic pollutants from cokes wastewater. <i>Bioresource Technology</i> , 2008, 99, 8824-8832.	9.6	94
94	Enhanced sorption of phenanthrene on activated carbon in surfactant solution. <i>Carbon</i> , 2008, 46, 1401-1410.	10.3	31
95	How to study Cr(VI) biosorption: Use of fermentation waste for detoxifying Cr(VI) in aqueous solution. <i>Chemical Engineering Journal</i> , 2008, 136, 173-179.	12.7	87
96	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. <i>Chemical Engineering Journal</i> , 2008, 144, 368-378.	12.7	9
97	Advanced kinetic model of the Cr(VI) removal by biomaterials at various pHs and temperatures. <i>Bioresource Technology</i> , 2008, 99, 1141-1147.	9.6	86
98	Optimization of key process variables for enhanced hydrogen production by <i>Enterobacter aerogenes</i> using statistical methods. <i>Bioresource Technology</i> , 2008, 99, 2061-2066.	9.6	132
99	Mechanism and kinetics of Cr(VI) reduction by waste slag generated from iron making industry. <i>Hydrometallurgy</i> , 2008, 93, 72-75.	4.3	38
100	Statistical optimization of key process variables for enhanced hydrogen production by newly isolated <i>Clostridium tyrobutyricum</i> JM1. <i>International Journal of Hydrogen Energy</i> , 2008, 33, 5176-5183.	7.1	44
101	Synergistic effects of sequential treatment with methyl jasmonate, salicylic acid and yeast extract on benzophenanthridine alkaloid accumulation and protein expression in <i>Eschscholtzia californica</i> suspension cultures. <i>Journal of Biotechnology</i> , 2008, 135, 117-122.	3.8	54
102	Molecular isolation of [FeFe]-hydrogenase from <i>Clostridium tyrobutyricum</i> JM1 and construction of recombinant plasmid. <i>Journal of Biotechnology</i> , 2008, 136, S622.	3.8	0
103	Synthesis of an Environmentally Friendly Water Network System. <i>Industrial & Engineering Chemistry Research</i> , 2008, 47, 1988-1994.	3.7	17
104	Cooperative Water Network System to Reduce Carbon Footprint. <i>Environmental Science & Technology</i> , 2008, 42, 6230-6236.	10.0	25
105	Differential induction of protein expression and benzophenanthridine alkaloid accumulation in <i>Eschscholtzia californica</i> suspension cultures by methyl jasmonate and yeast extract. <i>Journal of Microbiology and Biotechnology</i> , 2008, 18, 255-62.	2.1	14
106	One-dimensional mixed-culture biofilm model considering different space occupancies of particulate components. <i>Water Research</i> , 2007, 41, 4317-4328.	11.3	27
107	Kinetics of the reduction of hexavalent chromium with the brown seaweed <i>Ecklonia</i> biomass. <i>Chemosphere</i> , 2007, 66, 939-946.	8.2	97
108	Reliable evidences that the removal mechanism of hexavalent chromium by natural biomaterials is adsorption-coupled reduction. <i>Chemosphere</i> , 2007, 70, 298-305.	8.2	212

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109	Process stability and microbial community structure in anaerobic hydrogen-producing microflora from food waste containing kimchi. <i>Journal of Biotechnology</i> , 2007, 131, 300-308.	3.8	104
110	Estimation of direct-contact fraction for phenanthrene in surfactant solutions by toxicity measurement. <i>Journal of Biotechnology</i> , 2007, 131, 448-457.	3.8	15
111	Robust Adaptive Partial Least Squares Modeling of a Full-Scale Industrial Wastewater Treatment Process. <i>Industrial & Engineering Chemistry Research</i> , 2007, 46, 955-964.	3.7	20
112	Synthesis of an Economically Friendly Water Network System by Maximizing Net Present Value. <i>Industrial & Engineering Chemistry Research</i> , 2007, 46, 6936-6943.	3.7	16
113	Environmental and economic analysis of a water network system using LCA and LCC. <i>AIChE Journal</i> , 2007, 53, 3253-3262.	3.6	26
114	Monitoring of sequencing batch reactor for nitrogen and phosphorus removal using neural networks. <i>Biochemical Engineering Journal</i> , 2007, 35, 365-370.	3.6	66
115	Instability of biological nitrogen removal in a cokes wastewater treatment facility during summer. <i>Journal of Hazardous Materials</i> , 2007, 141, 27-32.	12.4	69
116	Enhanced benzophenanthridine alkaloid production and protein expression with combined elicitor in <i>Eschscholtzia californica</i> suspension cultures. <i>Biotechnology Letters</i> , 2007, 29, 2001-2005.	2.2	14
117	Comment on the Removal Mechanism of Hexavalent Chromium by Biomaterials or Biomaterial-Based Activated Carbons. <i>Industrial & Engineering Chemistry Research</i> , 2006, 45, 2405-2407.	3.7	37
118	Biosorption Process for Treatment of Electroplating Wastewater Containing Cr(VI): A Laboratory-Scale Feasibility Test. <i>Industrial & Engineering Chemistry Research</i> , 2006, 45, 5059-5065.	3.7	91
119	Economic Evaluation of a Water Network System through the Net Present Value Method Based on Cost and Benefit Estimations. <i>Industrial & Engineering Chemistry Research</i> , 2006, 45, 7710-7718.	3.7	25
120	Multivariate Online Monitoring of a Full-Scale Biological Anaerobic Filter Process Using Kernel-Based Algorithms. <i>Industrial & Engineering Chemistry Research</i> , 2006, 45, 4335-4344.	3.7	29
121	Comment on "Sorption of Cr(VI) from dilute solutions and wastewater by live and pretreated biomass of <i>Aspergillus flavus</i> " by Deepa et al.. <i>Chemosphere</i> , 2006, 63, 1060-1062.	8.2	0
122	Comment on "Chromate ion adsorption by agricultural by-products modified with dimethyloldihydroxyethylene urea and choline chloride" by Wartelle and Marshall. <i>Water Research</i> , 2006, 40, 1501-1504.	11.3	21
123	Modeling and Optimization of Photosynthetic Hydrogen Gas Production by Green Alga <i>Chlamydomonas reinhardtii</i> in Sulfur-Deprived Circumstance. <i>Biotechnology Progress</i> , 2006, 22, 431-437.	2.6	56
124	Effect of Ni(II) on the reduction of Cr(VI) by <i>Ecklonia</i> biomass. <i>Bioresource Technology</i> , 2006, 97, 1592-1598.	9.6	27
125	Nonlinear dynamic partial least squares modeling of a full-scale biological wastewater treatment plant. <i>Process Biochemistry</i> , 2006, 41, 2050-2057.	3.7	65
126	Column study on Cr(VI)-reduction using the brown seaweed <i>Ecklonia</i> biomass. <i>Journal of Hazardous Materials</i> , 2006, 137, 1377-1384.	12.4	28

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127	Mechanisms of the removal of hexavalent chromium by biomaterials or biomaterial-based activated carbons. <i>Journal of Hazardous Materials</i> , 2006, 137, 1254-1257.	12.4	90
128	Patterns of protein expression upon adding sugar and elicitor to the cell culture of <i>Eschscholtzia californica</i> . <i>Plant Cell, Tissue and Organ Culture</i> , 2006, 86, 257-269.	2.3	9
129	Mathematical evaluation of intermediates accumulation during microbial phenanthrene degradation. <i>Korean Journal of Chemical Engineering</i> , 2006, 23, 415-418.	2.7	9
130	Comparison of different bioreactor systems for indirect H ₂ S removal using iron-oxidizing bacteria. <i>Process Biochemistry</i> , 2005, 40, 1461-1467.	3.7	35
131	High-rate slurry-phase decomposition of food wastes: indirect performance estimation from dissolved oxygen. <i>Process Biochemistry</i> , 2005, 40, 1301-1306.	3.7	12
132	Use of dead fungal biomass for the detoxification of hexavalent chromium: screening and kinetics. <i>Process Biochemistry</i> , 2005, 40, 2559-2565.	3.7	176
133	Parallel hybrid modeling methods for a full-scale cokes wastewater treatment plant. <i>Journal of Biotechnology</i> , 2005, 115, 317-328.	3.8	67
134	Adaptive multiscale principal component analysis for on-line monitoring of a sequencing batch reactor. <i>Journal of Biotechnology</i> , 2005, 116, 195-210.	3.8	81
135	Metal Recovery from Electroplating Wastewater Using Acidophilic Iron Oxidizing Bacteria: Pilot-Scale Feasibility Test. <i>Industrial & Engineering Chemistry Research</i> , 2005, 44, 1854-1859.	3.7	20
136	Studies on hexavalent chromium biosorption by chemically-treated biomass of <i>Ecklonia</i> sp.. <i>Chemosphere</i> , 2005, 60, 1356-1364.	8.2	342
137	Mechanism of hexavalent chromium removal by dead fungal biomass of <i>Aspergillus niger</i> . <i>Water Research</i> , 2005, 39, 533-540.	11.3	361
138	phenanthrene biodegradation in soil slurry systems: Influence of salicylate and triton X-100. <i>Korean Journal of Chemical Engineering</i> , 2004, 21, 412-418.	2.7	20
139	A novel threshold accepting meta-heuristic for the job-shop scheduling problem. <i>Computers and Operations Research</i> , 2004, 31, 2199-2213.	4.0	25
140	Chromium Biosorption by Thermally Treated Biomass of the Brown Seaweed, <i>Ecklonia</i> sp.. <i>Industrial & Engineering Chemistry Research</i> , 2004, 43, 8226-8232.	3.7	55
141	Reduction of Hexavalent Chromium with the Brown Seaweed <i>Ecklonia</i> Biomass. <i>Environmental Science & Technology</i> , 2004, 38, 4860-4864.	10.0	256
142	Kinetic modeling of the light-dependent photosynthetic activity of the green microalga <i>Chlorella vulgaris</i> . <i>Biotechnology and Bioengineering</i> , 2003, 83, 303-311.	3.3	97
143	Microbial communities in activated sludge performing enhanced biological phosphorus removal in a sequencing batch reactor. <i>Water Research</i> , 2003, 37, 2195-2205.	11.3	70
144	List-Based Threshold-Accepting Algorithm for Zero-Wait Scheduling of Multiproduct Batch Plants. <i>Industrial & Engineering Chemistry Research</i> , 2002, 41, 6579-6588.	3.7	25

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145	Hybrid neural network modeling of a full-scale industrial wastewater treatment process. <i>Biotechnology and Bioengineering</i> , 2002, 78, 670-682.	3.3	105
146	Long-term operation of slurry bioreactor for decomposition of food wastes. <i>Bioresource Technology</i> , 2002, 84, 101-104.	9.6	13
147	Evaluation of Factors Promoting Astaxanthin Production by a Unicellular Green Alga, <i>Haematococcus pluvialis</i> , with Fractional Factorial Design. <i>Biotechnology Progress</i> , 2002, 18, 1170-1175.	2.6	59
148	Expression of functional human-cytosolic Cu/Zn superoxide dismutase in transgenic tobacco. <i>Biotechnology Letters</i> , 2002, 24, 681-686.	2.2	5
149	Thiocyanate degradation by <i>Acremonium strictum</i> and inhibition by secondary toxicants. <i>Biotechnology Letters</i> , 2002, 24, 1347-1351.	2.2	48
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