

Jong Moon Park

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5197029/publications.pdf>

Version: 2024-02-01

174
papers

10,319
citations

28190
55
h-index

39575
94
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. <i>Biotechnology and Bioprocess Engineering</i> , 2010, 15, 86-102.	1.4	554
2	Potentials of macroalgae as feedstocks for biorefinery. <i>Bioresource Technology</i> , 2013, 135, 182-190.	4.8	399
3	Mechanism of hexavalent chromium removal by dead fungal biomass of <i>Aspergillus niger</i> . <i>Water Research</i> , 2005, 39, 533-540.	5.3	361
4	Studies on hexavalent chromium biosorption by chemically-treated biomass of <i>Ecklonia</i> sp.. <i>Chemosphere</i> , 2005, 60, 1356-1364.	4.2	342
5	Biosorption of Trivalent Chromium on the Brown Seaweed Biomass. <i>Environmental Science & Technology</i> , 2001, 35, 4353-4358.	4.6	332
6	Reduction of Hexavalent Chromium with the Brown Seaweed <i>Ecklonia</i> Biomass. <i>Environmental Science & Technology</i> , 2004, 38, 4860-4864.	4.6	256
7	Carbon Dioxide Fixation by Algal Cultivation Using Wastewater Nutrients. <i>Journal of Chemical Technology and Biotechnology</i> , 1997, 69, 451-455.	1.6	242
8	Inhibitory effects of toxic compounds on nitrification process for cokes wastewater treatment. <i>Journal of Hazardous Materials</i> , 2008, 152, 915-921.	6.5	235
9	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.	5.0	228
10	Reliable evidences that the removal mechanism of hexavalent chromium by natural biomaterials is adsorption-coupled reduction. <i>Chemosphere</i> , 2007, 70, 298-305.	4.2	212
11	Development of a new Cr(VI)-biosorbent from agricultural biowaste. <i>Bioresource Technology</i> , 2008, 99, 8810-8818.	4.8	185
12	Biological nitrogen removal with enhanced phosphate uptake in a sequencing batch reactor using single sludge system. <i>Water Research</i> , 2001, 35, 3968-3976.	5.3	176
13	Use of dead fungal biomass for the detoxification of hexavalent chromium: screening and kinetics. <i>Process Biochemistry</i> , 2005, 40, 2559-2565.	1.8	176
14	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.	6.5	141
15	Bacterial and methanogenic archaeal communities during the single-stage anaerobic digestion of high-strength food wastewater. <i>Bioresource Technology</i> , 2014, 165, 174-182.	4.8	140
16	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.	4.8	138
17	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.	4.8	132
18	Biodiesel production by various oleaginous microorganisms from organic wastes. <i>Bioresource Technology</i> , 2018, 256, 502-508.	4.8	132

#	ARTICLE	IF	CITATIONS
19	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.	3.8	120
20	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. <i>Water Research</i> , 2014, 48, 1-14.	5.3	119
21	Hybrid neural network modeling of a full-scale industrial wastewater treatment process. <i>Biotechnology and Bioengineering</i> , 2002, 78, 670-682.	1.7	105
22	Biodiesel production from <i>Scenedesmus bijuga</i> grown in anaerobically digested food wastewater effluent. <i>Bioresource Technology</i> , 2015, 184, 215-221.	4.8	105
23	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.	1.9	104
24	Bioaugmentation of cyanide-degrading microorganisms in a full-scale cokes wastewater treatment facility. <i>Bioresource Technology</i> , 2008, 99, 2092-2096.	4.8	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. <i>Water Research</i> , 2016, 99, 140-148.	5.3	98
26	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.	1.7	97
27	Kinetics of the reduction of hexavalent chromium with the brown seaweed <i>Ecklonia</i> biomass. <i>Chemosphere</i> , 2007, 66, 939-946.	4.2	97
28	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.	4.8	94
29	Sequential dilute acid and alkali pretreatment of corn stover: Sugar recovery efficiency and structural characterization. <i>Bioresource Technology</i> , 2015, 182, 296-301.	4.8	94
30	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.	5.3	93
31	Biosorption Process for Treatment of Electroplating Wastewater Containing Cr(VI): Laboratory-Scale Feasibility Test. <i>Industrial & Engineering Chemistry Research</i> , 2006, 45, 5059-5065.	1.8	91
32	Mechanisms of the removal of hexavalent chromium by biomaterials or biomaterial-based activated carbons. <i>Journal of Hazardous Materials</i> , 2006, 137, 1254-1257.	6.5	90
33	Neural network modeling for on-line estimation of nutrient dynamics in a sequentially-operated batch reactor. <i>Journal of Biotechnology</i> , 1999, 75, 229-239.	1.9	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. <i>Bioresource Technology</i> , 2017, 228, 290-297.	4.8	88
35	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.	6.6	87
36	Advanced kinetic model of the Cr(VI) removal by biomaterials at various pHs and temperatures. <i>Bioresource Technology</i> , 2008, 99, 1141-1147.	4.8	86

#	ARTICLE	IF	CITATIONS
37	Adaptive multiscale principal component analysis for on-line monitoring of a sequencing batch reactor. <i>Journal of Biotechnology</i> , 2005, 116, 195-210.	1.9	81
38	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.	5.3	79
39	Micro precipitation of lead on the surface of crab shell particles. <i>Process Biochemistry</i> , 1997, 32, 671-677.	1.8	77
40	Attenuation of monochromatic and polychromatic lights in <i>Chlorella vulgaris</i> suspensions. <i>Applied Microbiology and Biotechnology</i> , 2001, 55, 765-770.	1.7	77
41	Bioconversion of volatile fatty acids from macroalgae fermentation into microbial lipids by oleaginous yeast. <i>Chemical Engineering Journal</i> , 2015, 264, 735-743.	6.6	73
42	Production of biodiesel from carbon sources of macroalgae, <i>Laminaria japonica</i> . <i>Bioresource Technology</i> , 2014, 169, 455-461.	4.8	71
43	Microbial communities in activated sludge performing enhanced biological phosphorus removal in a sequencing batch reactor. <i>Water Research</i> , 2003, 37, 2195-2205.	5.3	70
44	Instability of biological nitrogen removal in a cokes wastewater treatment facility during summer. <i>Journal of Hazardous Materials</i> , 2007, 141, 27-32.	6.5	69
45	Parallel hybrid modeling methods for a full-scale cokes wastewater treatment plant. <i>Journal of Biotechnology</i> , 2005, 115, 317-328.	1.9	67
46	Synergic degradation of phenanthrene by consortia of newly isolated bacterial strains. <i>Journal of Biotechnology</i> , 2009, 144, 293-298.	1.9	67
47	Monitoring of sequencing batch reactor for nitrogen and phosphorus removal using neural networks. <i>Biochemical Engineering Journal</i> , 2007, 35, 365-370.	1.8	66
48	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.	4.8	66
49	Nonlinear dynamic partial least squares modeling of a full-scale biological wastewater treatment plant. <i>Process Biochemistry</i> , 2006, 41, 2050-2057.	1.8	65
50	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. <i>Bioresource Technology</i> , 2015, 184, 245-250.	4.8	63
51	Comprehensive microbial analysis of combined mesophilic anaerobic and thermophilic aerobic process treating high-strength food wastewater. <i>Water Research</i> , 2015, 73, 291-303.	5.3	62
52	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.	1.3	59
53	Influence of temperature on volatile fatty acid production and microbial community structure during anaerobic fermentation of microalgae. <i>Bioresource Technology</i> , 2015, 191, 475-480.	4.8	59
54	Predictive combinatorial design of mRNA translation initiation regions for systematic optimization of gene expression levels. <i>Scientific Reports</i> , 2014, 4, 4515.	1.6	59

#	ARTICLE	IF	CITATIONS
55	Enhancing biomass and ethanol production by increasing NADPH production in <i>Synechocystis</i> sp. PCC 6803. <i>Bioresource Technology</i> , 2016, 213, 54-57.	4.8	58
56	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.	1.3	56
57	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.	4.8	56
58	Chromium Biosorption by Thermally Treated Biomass of the Brown Seaweed, <i>Ecklonia</i> sp.. <i>Industrial & Engineering Chemistry Research</i> , 2004, 43, 8226-8232.	1.8	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. <i>Bioresource Technology</i> , 2018, 251, 288-294.	4.8	55
60	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.	1.9	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. <i>Process Biochemistry</i> , 2008, 43, 1107-1113.	1.8	53
62	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.	4.8	53
63	Cryopreservation of <i>Papaver somniferum</i> Cell Suspension Cultures*. <i>Planta Medica</i> , 1991, 57, 53-55.	0.7	52
64	Removal of cadmium using acid-treated activated carbon in the presence of nonionic and/or anionic surfactants. <i>Hydrometallurgy</i> , 2009, 99, 209-213.	1.8	52
65	Biological nitrogen removal from coke plant wastewater with external carbon addition. <i>Water Environment Research</i> , 1998, 70, 1090-1095.	1.3	51
66	Selective adsorption of phenanthrene in nonionic and anionic surfactant mixtures using activated carbon. <i>Chemical Engineering Journal</i> , 2010, 158, 115-119.	6.6	51
67	Enhanced Biological Phosphorus Removal in an Anaerobic-Aerobic Sequencing Batch Reactor: Effect of pH. <i>Water Environment Research</i> , 2001, 73, 301-306.	1.3	49
68	Pyrolytic production of phenolic compounds from the lignin residues of bioethanol processes. <i>Chemical Engineering Journal</i> , 2015, 259, 107-116.	6.6	49
69	Thiocyanate degradation by <i>Acremonium strictum</i> and inhibition by secondary toxicants. <i>Biotechnology Letters</i> , 2002, 24, 1347-1351.	1.1	48
70	Environmental and economic feasibility study of a total wastewater treatment network system. <i>Journal of Environmental Management</i> , 2008, 88, 564-575.	3.8	47
71	Engineering the pentose phosphate pathway to improve hydrogen yield in recombinant <i>Escherichia coli</i> . <i>Biotechnology and Bioengineering</i> , 2011, 108, 2941-2946.	1.7	46
72	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.	3.8	44

#	ARTICLE	IF	CITATIONS
73	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.	1.2	44
74	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.	3.8	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. <i>Bioresource Technology</i> , 2013, 134, 180-189.	4.8	43
76	A genetic approach for microbial electrosynthesis system as biocommodities production platform. <i>Bioresource Technology</i> , 2017, 245, 1421-1429.	4.8	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. <i>Bioresource Technology</i> , 2013, 145, 80-89.	4.8	42
78	Reactor performance and methanogenic archaea species in thermophilic anaerobic co-digestion of waste activated sludge mixed with food wastewater. <i>Chemical Engineering Journal</i> , 2015, 276, 20-28.	6.6	42
79	Bioethanol production from mannitol by a newly isolated bacterium, <i>Enterobacter</i> sp. JMP3. <i>Bioresource Technology</i> , 2013, 135, 199-206.	4.8	41
80	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.	1.8	40
81	Sequential sludge digestion after diverse pre-treatment conditions: Sludge removal, methane production and microbial community changes. <i>Bioresource Technology</i> , 2014, 162, 331-340.	4.8	39
82	Mechanism and kinetics of Cr(VI) reduction by waste slag generated from iron making industry. <i>Hydrometallurgy</i> , 2008, 93, 72-75.	1.8	38
83	Treatment of food wastes using slurry-phase decomposition. <i>Bioresource Technology</i> , 2000, 73, 21-27.	4.8	37
84	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.	1.8	37
85	Multi-scale extension of PLS algorithm for advanced on-line process monitoring. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2009, 98, 201-212.	1.8	36
86	Response of nitrifying bacterial communities to the increased thiocyanate concentration in pre-denitrification process. <i>Bioresource Technology</i> , 2011, 102, 913-922.	4.8	36
87	Comparison of different bioreactor systems for indirect H ₂ S removal using iron-oxidizing bacteria. <i>Process Biochemistry</i> , 2005, 40, 1461-1467.	1.8	35
88	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.	4.6	33
89	Chemical treatment for treating cyanides-containing effluent from biological cokes wastewater treatment process. <i>Chemical Engineering Journal</i> , 2008, 143, 141-146.	6.6	31
90	Enhanced sorption of phenanthrene on activated carbon in surfactant solution. <i>Carbon</i> , 2008, 46, 1401-1410.	5.4	31

#	ARTICLE	IF	CITATIONS
91	Characterization of ammonia-based CO ₂ capture process using ion speciation. International Journal of Greenhouse Gas Control, 2011, 5, 1606-1613.	2.3	31
92	Optimum condition for the removal of Cr(VI) or total Cr using dried leaves of <i>Pinus densiflora</i> . Desalination, 2011, 271, 309-314.	4.0	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.	3.8	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.	1.6	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.	1.8	29
96	Determination of the time transferring cells for astaxanthin production considering two-stage process of <i>Haematococcus pluvialis</i> cultivation. Bioresource Technology, 2011, 102, 11249-11253.	4.8	29
97	Engineering glyceraldehyde-3-phosphate dehydrogenase for switching control of glycolysis in <i>Escherichia coli</i> . Biotechnology and Bioengineering, 2012, 109, 2612-2619.	1.7	29
98	Biodegradation of cyanide compounds by <i>Pseudomonas fluorescens</i> immobilized on zeolite. Enzyme and Microbial Technology, 1994, 16, 529-533.	1.6	28
99	Development of gas recycling photobioreactor system for microalgal carbon dioxide fixation. Korean Journal of Chemical Engineering, 1997, 14, 297-300.	1.2	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.	1.3	28
101	Column study on Cr(VI)-reduction using the brown seaweed <i>Ecklonia</i> biomass. Journal of Hazardous Materials, 2006, 137, 1377-1384.	6.5	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.	6.5	28
103	Effect of Ni(II) on the reduction of Cr(VI) by <i>Ecklonia</i> biomass. Bioresource Technology, 2006, 97, 1592-1598.	4.8	27
104	One-dimensional mixed-culture biofilm model considering different space occupancies of particulate components. Water Research, 2007, 41, 4317-4328.	5.3	27
105	Environmental indicators for communication of life cycle impact assessment results and their applications. Journal of Environmental Management, 2009, 90, 3305-3312.	3.8	27
106	Enhancement of CO ₂ tolerance of <i>Chlorella vulgaris</i> by gradual increase of CO ₂ 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.	1.8	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.	3.8	26

#	ARTICLE	IF	CITATIONS
109	List-Based Threshold-Accepting Algorithm for Zero-Wait Scheduling of Multiproduct Batch Plants. <i>Industrial & Engineering Chemistry Research</i> , 2002, 41, 6579-6588.	1.8	25
110	A novel threshold accepting meta-heuristic for the job-shop scheduling problem. <i>Computers and Operations Research</i> , 2004, 31, 2199-2213.	2.4	25
111	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.	1.8	25
112	Cooperative Water Network System to Reduce Carbon Footprint. <i>Environmental Science & Technology</i> , 2008, 42, 6230-6236.	4.6	25
113	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.	6.6	25
114	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.	5.3	25
115	Process-based life cycle CO ₂ assessment of an ammonia-based carbon capture and storage system. <i>Journal of Industrial and Engineering Chemistry</i> , 2019, 76, 223-232.	2.9	24
116	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.	4.8	23
117	Response surface method for optimization of phenolic compounds production by lignin pyrolysis. <i>Journal of Analytical and Applied Pyrolysis</i> , 2016, 120, 409-415.	2.6	23
118	Changes in microbial communities during volatile fatty acid production from cyanobacterial biomass harvested from a cyanobacterial bloom in a river. <i>Chemosphere</i> , 2018, 202, 306-311.	4.2	23
119	Surface solubilization of phenanthrene by surfactant sorbed on soils with different organic matter contents. <i>Journal of Hazardous Materials</i> , 2010, 177, 799-806.	6.5	22
120	Comparative study of free cyanide inhibition on nitrification and denitrification in batch and continuous flow systems. <i>Desalination</i> , 2011, 279, 439-444.	4.0	22
121	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.	5.3	21
122	Acetyl-CoA-derived biofuel and biochemical production in cyanobacteria: a mini review. <i>Journal of Applied Phycology</i> , 2020, 32, 1643-1653.	1.5	21
123	phenanthrene biodegradation in soil slurry systems: Influence of salicylate and triton X-100. <i>Korean Journal of Chemical Engineering</i> , 2004, 21, 412-418.	1.2	20
124	Metal Recovery from Electroplating Wastewater Using Acidophilic Iron Oxidizing Bacteria: Pilot-Scale Feasibility Test. <i>Industrial & Engineering Chemistry Research</i> , 2005, 44, 1854-1859.	1.8	20
125	Robust Adaptive Partial Least Squares Modeling of a Full-Scale Industrial Wastewater Treatment Process. <i>Industrial & Engineering Chemistry Research</i> , 2007, 46, 955-964.	1.8	20
126	Volatile fatty acid recovery by anaerobic fermentation from blue-green algae: Effect of pretreatment. <i>Bioresource Technology</i> , 2017, 244, 1433-1438.	4.8	20

#	ARTICLE	IF	CITATIONS
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 CO ₂ assessment. Environmental Progress and Sustainable Energy, 2017, 36, 200-207.	1.3	18
129	Synthesis of an Environmentally Friendly Water Network System. Industrial & Engineering Chemistry Research, 2008, 47, 1988-1994.	1.8	17
130	Efficient harvesting of Synechocystis sp. PCC 6803 with filamentous fungal pellets. Journal of Applied Phycology, 2016, 28, 2225-2231.	1.5	17
131	Synthesis of an Economically Friendly Water Network System by Maximizing Net Present Value. Industrial & Engineering Chemistry Research, 2007, 46, 6936-6943.	1.8	16
132	Biological carbon monoxide conversion to acetate production by mixed culture. Bioresource Technology, 2016, 211, 478-485.	4.8	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.	1.6	15
134	Estimation of direct-contact fraction for phenanthrene in surfactant solutions by toxicity measurement. Journal of Biotechnology, 2007, 131, 448-457.	1.9	15
135	Enhanced benzophenanthridine alkaloid production and protein expression with combined elicitor in Eschscholtzia californica suspension cultures. Biotechnology Letters, 2007, 29, 2001-2005.	1.1	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.	1.2	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.	0.9	14
138	Long-term operation of slurry bioreactor for decomposition of food wastes. Bioresource Technology, 2002, 84, 101-104.	4.8	13
139	Quantitative Sustainability Assessment of Seaweed Biomass as Bioethanol Feedstock. Bioenergy Research, 2014, 7, 974-985.	2.2	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.	1.6	12
141	High-rate slurry-phase decomposition of food wastes: indirect performance estimation from dissolved oxygen. Process Biochemistry, 2005, 40, 1301-1306.	1.8	12
142	Enhanced Biological Phosphorus Removal in an Anaerobic-Aerobic Sequencing Batch Reactor: Characteristics of Carbon Metabolism. Water Environment Research, 2001, 73, 295-300.	1.3	11
143	Multistage Operation of Airlift Photobioreactor for Increased Production of Astaxanthin from Haematococcus pluvialis. Journal of Microbiology and Biotechnology, 2011, 21, 1081-1087.	0.9	11
144	Continuous Production of Uniform Calcium Alginate Beads by Sound Wave Induced Vibration. Journal of Chemical Technology and Biotechnology, 1996, 67, 255-259.	1.6	10

#	ARTICLE	IF	CITATIONS
145	Selective strontium adsorption using synthesized sodium titanate in aqueous solution. RSC Advances, 2022, 12, 18936-18944.	1.7	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.	1.6	9
147	Patterns of protein expression upon adding sugar and elicitor to the cell culture of <i>Eschscholtzia californica</i> . Plant Cell, Tissue and Organ Culture, 2006, 86, 257-269.	1.2	9
148	Mathematical evaluation of intermediates accumulation during microbial phenanthrene degradation. Korean Journal of Chemical Engineering, 2006, 23, 415-418.	1.2	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.	6.6	9
150	Life Cycle Cost Minimization of a Total Wastewater Treatment Network System. Industrial & Engineering Chemistry Research, 2009, 48, 2965-2971.	1.8	9
151	Induction of branch roots by cutting method in <i>Hyoscyamus niger</i> root culture. Plant Cell, Tissue and Organ Culture, 1997, 48, 131-134.	1.2	8
152	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.	0.6	8
153	Cell-Free Transcription-Coupled CRISPR/Cas12a Assay for Prototyping Cyanobacterial Promoters. ACS Synthetic Biology, 2021, 10, 1300-1307.	1.9	8
154	Production of scopolamine by normal root culture of <i>Hyoscyamus niger</i> . Biotechnology Letters, 1995, 17, 921-926.	1.1	7
155	Individual-based and stochastic modeling of cell population dynamics considering substrate dependency. Biotechnology and Bioengineering, 2009, 103, 891-899.	1.7	7
156	Consideration of the methods for evaluating the Cr(VI)-removing capacity of biomaterial. Korean Journal of Chemical Engineering, 2011, 28, 831-836.	1.2	7
157	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.	1.8	7
158	Magnetic Steel Slag Biochar for Ammonium Nitrogen Removal from Aqueous Solution. Energies, 2021, 14, 2682.	1.6	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.	1.2	6
160	Expression of functional human-cytosolic Cu/Zn superoxide dismutase in transgenic tobacco. Biotechnology Letters, 2002, 24, 681-686.	1.1	5
161	Experimental Studies of Additives for Suppression of Ammonia Vaporization in the Ammonia based CO ₂ 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 <i>Raoultella ornithinolytica</i> B6-JMP12. Biotechnology and Bioprocess Engineering, 2018, 23, 64-71.	1.4	5

#	ARTICLE	IF	CITATIONS
163	Carbon Dioxide Fixation by Algal Cultivation Using Wastewater Nutrients. , 1997, 69, 451.		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.	0.1	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.	1.3	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.	1.2	2
167	Special issue on International Biotechnology Symposium, IBS-2012: September 16-21, Daegu, Korea. Bioresource Technology, 2013, 145, 1.	4.8	2
168	Evaluation of Scenedesmus rubescens for Lipid Production from Swine Wastewater Blended with Municipal Wastewater. Energies, 2020, 13, 4895.	1.6	2
169	Environmental benefits of seaweed biomass as a bioenergy feedstock. Journal of Biotechnology, 2014, 185, S120.	1.9	1
170	Comment on "Sorption of Cr(VI) from dilute solutions and wastewater by live and pretreated biomass of Aspergillus flavus" by Deepa et al.. Chemosphere, 2006, 63, 1060-1062.	4.2	0
171	Molecular isolation of [FeFe]-hydrogenase from Clostridium tyrobutyricum JM1 and construction of recombinant plasmid. Journal of Biotechnology, 2008, 136, S622.	1.9	0
172	Synthesis of hydrogen hyper-producer: A multi-scale approach beyond pathway engineering. Journal of Bioscience and Bioengineering, 2009, 108, S76.	1.1	0
173	Determination of Plasmid Stability in Hydrogen-Producing Recombinant Clostridium tyrobutyricum JM1 by Real-Time PCR Quantification. Journal of Nanoelectronics and Optoelectronics, 2010, 5, 257-261.	0.1	0
174	Optimizing Lipid Accumulation Content by Cryptococcus curvatus Using Response Surface Methodology and Molasses as Sole Carbon Source. Current Environmental Engineering, 2018, 5, 211-220.	0.6	0