

# Chulhwan Park

## List of Publications by Year in descending order

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Version: 2024-02-01

123  
papers

4,161  
citations

117625

34  
h-index

149698

56  
g-index

123  
all docs

123  
docs citations

123  
times ranked

4782  
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison of disperse and reactive dye removals by chemical coagulation and Fenton oxidation. <i>Journal of Hazardous Materials</i> , 2004, 112, 95-103.	12.4	317
2	Decolorization of disperse and reactive dyes by continuous electrocoagulation process. <i>Desalination</i> , 2002, 150, 165-175.	8.2	216
3	Biodegradation and biosorption for decolorization of synthetic dyes by <i>Funalia troglia</i> . <i>Biochemical Engineering Journal</i> , 2007, 36, 59-65.	3.6	150
4	Colorimetric Detection of Co <sup>2+</sup> Ion Using Silver Nanoparticles with Spherical, Plate, and Rod Shapes. <i>Langmuir</i> , 2013, 29, 8978-8982.	3.5	106
5	Biodiesel production by a mixture of <i>Candida rugosa</i> and <i>Rhizopus oryzae</i> lipases using a supercritical carbon dioxide process. <i>Bioresource Technology</i> , 2011, 102, 2105-2108.	9.6	102
6	Decolorization of disperse and reactive dye solutions using ferric chloride. <i>Desalination</i> , 2004, 161, 49-58.	8.2	101
7	Pretreatment of rice straw with combined process using dilute sulfuric acid and aqueous ammonia. <i>Biotechnology for Biofuels</i> , 2013, 6, 109.	6.2	101
8	Recent Advances in Sustainable Plastic Upcycling and Biopolymers. <i>Biotechnology Journal</i> , 2020, 15, e1900489.	3.5	92
9	Fabrication of electrochemical biosensor consisted of multi-functional DNA structure/porous Au nanoparticle for avian influenza virus (H5N1) in chicken serum. <i>Materials Science and Engineering C</i> , 2019, 99, 511-519.	7.3	87
10	Current states and prospects of organic waste utilization for biorefineries. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 49, 335-349.	16.4	85
11	Enzymatic coproduction of biodiesel and glycerol carbonate from soybean oil and dimethyl carbonate. <i>Enzyme and Microbial Technology</i> , 2011, 48, 505-509.	3.2	81
12	Decolorization of dye solutions by a membrane bioreactor (MBR) using white-rot fungi. <i>Desalination</i> , 2004, 168, 287-293.	8.2	77
13	COD reduction and decolorization of textile effluent using a combined process. <i>Journal of Bioscience and Bioengineering</i> , 2003, 95, 102-105.	2.2	72
14	Label-free localized surface plasmon resonance biosensor composed of multi-functional DNA 3 way junction on hollow Au spike-like nanoparticles (HAuSN) for avian influenza virus detection. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 182, 110341.	5.0	56
15	Enzymatic production of glycerol carbonate from by-product after biodiesel manufacturing process. <i>Enzyme and Microbial Technology</i> , 2012, 51, 143-147.	3.2	54
16	Batch and continuous synthesis of lactulose from whey lactose by immobilized $\beta$ -galactosidase. <i>Food Chemistry</i> , 2013, 136, 689-694.	8.2	54
17	Fabrication of electrochemical biosensor composed of multi-functional DNA structure/Au nanospire on micro-gap/PCB system for detecting troponin I in human serum. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 175, 343-350.	5.0	54
18	Enzymatic fuel cells based on electrodeposited graphite oxide/cobalt hydroxide/chitosan composite "enzyme electrode". <i>Biosensors and Bioelectronics</i> , 2013, 42, 342-348.	10.1	53

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19	Biodiesel Production from Various Oils Under Supercritical Fluid Conditions by <i>Candida antarctica</i> Lipase B Using a Stepwise Reaction Method. <i>Applied Biochemistry and Biotechnology</i> , 2009, 156, 24-34.	2.9	51
20	Î <sup>2</sup> -Galactosidase-immobilised microreactor fabricated using a novel technique for enzyme immobilisation and its application for continuous synthesis of lactulose. <i>Food Chemistry</i> , 2012, 133, 611-617.	8.2	50
21	Improved production of bacterial cellulose from waste glycerol through investigation of inhibitory effects of crude glycerol-derived compounds by <i>Gluconacetobacter xylinus</i> . <i>Journal of Industrial and Engineering Chemistry</i> , 2019, 75, 158-163.	5.8	50
22	Biorefinery of instant noodle waste to biofuels. <i>Bioresource Technology</i> , 2014, 159, 17-23.	9.6	49
23	Development of Batch and Continuous Processes on Biodiesel Production in a Packed-Bed Reactor by a Mixture of Immobilized <i>Candida rugosa</i> and <i>Rhizopus oryzae</i> Lipases. <i>Applied Biochemistry and Biotechnology</i> , 2010, 161, 365-371.	2.9	43
24	Co-immobilization of <i>Candida rugosa</i> and <i>Rhizopus oryzae</i> lipases and biodiesel production. <i>Korean Journal of Chemical Engineering</i> , 2013, 30, 1335-1338.	2.7	42
25	Repeated batch production of 1,3-propanediol from biodiesel derived waste glycerol by <i>Klebsiella pneumoniae</i> . <i>Chemical Engineering Journal</i> , 2017, 314, 660-669.	12.7	42
26	Optimization and morphology for decolorization of reactive black 5 by <i>Funalia trogii</i> . <i>Enzyme and Microbial Technology</i> , 2007, 40, 1758-1764.	3.2	41
27	Biodiesel production by lipases co-immobilized on the functionalized activated carbon. <i>Bioresource Technology Reports</i> , 2019, 7, 100248.	2.7	40
28	Production of bioethanol and biodiesel using instant noodle waste. <i>Bioprocess and Biosystems Engineering</i> , 2014, 37, 1627-1635.	3.4	39
29	Tolerance of <i>Saccharomyces cerevisiae</i> K35 to lignocellulose-derived inhibitory compounds. <i>Biotechnology and Bioprocess Engineering</i> , 2011, 16, 755-760.	2.6	38
30	Sugar recovery from rice straw by dilute acid pretreatment. <i>Journal of Industrial and Engineering Chemistry</i> , 2012, 18, 183-187.	5.8	38
31	Development of a <i>Saccharomyces cerevisiae</i> strain for increasing the accumulation of triacylglycerol as a microbial oil feedstock for biodiesel production using glycerol as a substrate. <i>Biotechnology and Bioengineering</i> , 2013, 110, 343-347.	3.3	38
32	Quantitative Detection of Glyphosate by Simultaneous Analysis of UV Spectroscopy and Fluorescence Using DNA-Labeled Gold Nanoparticles. <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 12096-12100.	5.2	37
33	Optimization of medium composition for enhanced cellulase production by mutant <i>Penicillium brasilianum</i> KUEB15 using statistical method. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 25, 145-150.	5.8	37
34	5-Aminolevulinic acid production in engineered <i>Corynebacterium glutamicum</i> via C5 biosynthesis pathway. <i>Enzyme and Microbial Technology</i> , 2015, 81, 1-7.	3.2	36
35	Improvement of electrical properties via glucose oxidase-immobilization by actively turning over glucose for an enzyme-based biofuel cell modified with DNA-wrapped single walled nanotubes. <i>Biosensors and Bioelectronics</i> , 2011, 26, 2685-2688.	10.1	35
36	Enzymatic coproduction of biodiesel and glycerol carbonate from soybean oil in solvent-free system. <i>Enzyme and Microbial Technology</i> , 2013, 53, 154-158.	3.2	34

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37	Recent advances in metabolic engineering of <i>Corynebacterium glutamicum</i> as a potential platform microorganism for biorefinery. <i>Biofuels, Bioproducts and Biorefining</i> , 2018, 12, 899-925.	3.7	34
38	Recent Advances in the Metabolic Engineering of <i>Klebsiella pneumoniae</i> : A Potential Platform Microorganism for Biorefineries. <i>Biotechnology and Bioprocess Engineering</i> , 2019, 24, 48-64.	2.6	34
39	Fabrication of MERS-nanovesicle biosensor composed of multi-functional DNA aptamer/graphene-MoS <sub>2</sub> nanocomposite based on electrochemical and surface-enhanced Raman spectroscopy. <i>Sensors and Actuators B: Chemical</i> , 2022, 352, 131060.	7.8	34
40	Optimization of backflushing conditions for ceramic ultrafiltration membrane of disperse dye solutions. <i>Desalination</i> , 2007, 202, 150-155.	8.2	33
41	Use of bioelectrode containing DNA-wrapped single-walled carbon nanotubes for enzyme-based biofuel cell. <i>Journal of Power Sources</i> , 2010, 195, 750-755.	7.8	33
42	Enhancement of glucose yield from canola agricultural residue by alkali pretreatment based on multi-regression models. <i>Journal of Industrial and Engineering Chemistry</i> , 2017, 51, 303-311.	5.8	33
43	Optimization of lactulose synthesis from whey lactose by immobilized $\beta$ -galactosidase and glucose isomerase. <i>Carbohydrate Research</i> , 2013, 369, 1-5.	2.3	31
44	Detection of glyphosate by quantitative analysis of fluorescence and single DNA using DNA-labeled fluorescent magnetic core-shell nanoparticles. <i>Sensors and Actuators B: Chemical</i> , 2013, 177, 879-886.	7.8	31
45	Enhancement of enzymatic digestibility of <i>Miscanthus</i> by electron beam irradiation and chemical combined treatments for bioethanol production. <i>Chemical Engineering Journal</i> , 2015, 275, 227-234.	12.7	31
46	Recent Advances in AIV Biosensors Composed of Nanobio Hybrid Material. <i>Micromachines</i> , 2018, 9, 651.	2.9	31
47	Improvement of enzymatic biodiesel production by controlled substrate feeding using silica gel in solvent free system. <i>Enzyme and Microbial Technology</i> , 2011, 49, 402-406.	3.2	30
48	Effect of crude glycerol-derived inhibitors on ethanol production by <i>Enterobacter aerogenes</i> . <i>Bioprocess and Biosystems Engineering</i> , 2012, 35, 85-92.	3.4	30
49	Single walled carbon nanotube based biosensor for detection of peanut allergy-inducing protein ara h1. <i>Korean Journal of Chemical Engineering</i> , 2018, 35, 172-178.	2.7	30
50	Fabrication of Troponin I Biosensor Composed of Multi-Functional DNA Structure/Au Nanocrystal Using Electrochemical and Localized Surface Plasmon Resonance Dual-Detection Method. <i>Nanomaterials</i> , 2019, 9, 1000.	4.1	30
51	Phenolic compounds: Strong inhibitors derived from lignocellulosic hydrolysate for 2,3-butanediol production by <i>Enterobacter aerogenes</i> . <i>Biotechnology Journal</i> , 2015, 10, 1920-1928.	3.5	29
52	Titanium dioxide-based sonophotocatalytic mineralization of bisphenol A and its intermediates. <i>Environmental Science and Pollution Research</i> , 2017, 24, 15488-15499.	5.3	29
53	Fabrication of electrochemical biosensor composed of multi-functional DNA/rhodium nanoplate heterolayer for thyroxine detection in clinical sample. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 195, 111240.	5.0	28
54	A pretreatment-free electrical capacitance biosensor for exosome detection in undiluted serum. <i>Biosensors and Bioelectronics</i> , 2022, 199, 113872.	10.1	28

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55	Enzymatic synthesis of phenethyl ester from phenethyl alcohol with acyl donors. <i>Enzyme and Microbial Technology</i> , 2017, 100, 37-44.	3.2	26
56	Biodiesel production by enzymatic process using <i>Jatropha</i> oil and waste soybean oil. <i>Biotechnology and Bioprocess Engineering</i> , 2013, 18, 703-708.	2.6	25
57	Improvement of lactulose synthesis through optimization of reaction conditions with immobilized $\beta$ -galactosidase. <i>Korean Journal of Chemical Engineering</i> , 2013, 30, 160-165.	2.7	25
58	Improved Cordycepin Production by <i>Cordyceps militaris</i> KYLO5 Using Casein Hydrolysate in Submerged Conditions. <i>Biomolecules</i> , 2019, 9, 461.	4.0	25
59	Kinetic modeling of biodiesel production by mixed immobilized and co-immobilized lipase systems under two pressure conditions. <i>Korean Journal of Chemical Engineering</i> , 2013, 30, 1272-1276.	2.7	24
60	Improved bioethanol production from metabolic engineering of <i>Enterobacter aerogenes</i> ATCC 29007. <i>Process Biochemistry</i> , 2015, 50, 2051-2060.	3.7	24
61	Improved fermentation of lignocellulosic hydrolysates to 2,3-butanediol through investigation of effects of inhibitory compounds by <i>Enterobacter aerogenes</i> . <i>Chemical Engineering Journal</i> , 2016, 306, 916-924.	12.7	24
62	Enzymatic Biodiesel Synthesis in Semi-Pilot Continuous Process in Near-Critical Carbon Dioxide. <i>Applied Biochemistry and Biotechnology</i> , 2013, 171, 1118-1127.	2.9	23
63	Statistical Optimization of Alkali Pretreatment to Improve Sugars Recovery from Spent Coffee Grounds and Utilization in Lactic Acid Fermentation. <i>Processes</i> , 2021, 9, 494.	2.8	23
64	Optimization of the process for biodiesel production using a mixture of immobilized <i>Rhizopus oryzae</i> and <i>Candida rugosa</i> lipases. <i>Journal of Microbiology and Biotechnology</i> , 2008, 18, 1927-31.	2.1	23
65	Biosynthesis of organic photosensitizer Zn-porphyrin by diphtheria toxin repressor (DtxR)-mediated global upregulation of engineered heme biosynthesis pathway in <i>Corynebacterium glutamicum</i> . <i>Scientific Reports</i> , 2018, 8, 14460.	3.3	22
66	Metabolic engineering of <i>Enterobacter aerogenes</i> to improve the production of 2,3-butanediol. <i>Biochemical Engineering Journal</i> , 2019, 143, 169-178.	3.6	21
67	Novel and Efficient Synthesis of Phenethyl Formate via Enzymatic Esterification of Formic Acid. <i>Biomolecules</i> , 2020, 10, 70.	4.0	21
68	Enhanced Production of Bacterial Cellulose from <i>Miscanthus</i> as Sustainable Feedstock through Statistical Optimization of Culture Conditions. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 866.	2.6	21
69	Strain development and medium optimization for fumaric acid production. <i>Biotechnology and Bioprocess Engineering</i> , 2010, 15, 761-769.	2.6	20
70	Improvement of Ethanol Yield from Glycerol via Conversion of Pyruvate to Ethanol in Metabolically Engineered <i>Saccharomyces cerevisiae</i> . <i>Applied Biochemistry and Biotechnology</i> , 2012, 166, 856-865.	2.9	20
71	Efficient simultaneous production of biodiesel and glycerol carbonate via statistical optimization. <i>Journal of Industrial and Engineering Chemistry</i> , 2017, 51, 49-53.	5.8	20
72	Assessment of peanut allergen Ara h1 in processed foods using a SWCNTs-based nanobiosensor. <i>Bioscience, Biotechnology and Biochemistry</i> , 2018, 82, 1134-1142.	1.3	20

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73	Photothermal Cellulose-Patch with Gold-Spiked Silica Microrods Based on <i>Escherichia coli</i> . ACS Omega, 2018, 3, 5244-5251.	3.5	20
74	Efficient and simultaneous cleaner production of biodiesel and glycerol carbonate in solvent-free system via statistical optimization. Journal of Cleaner Production, 2019, 218, 985-992.	9.3	20
75	Fabrication of Electrochemical Influenza Virus (H1N1) Biosensor Composed of Multifunctional DNA Four-Way Junction and Molybdenum Disulfide Hybrid Material. Materials, 2021, 14, 343.	2.9	20
76	Effect of a buffer mixture system on the activity of lipases during immobilization process. Bioresource Technology, 2010, 101, S66-S70.	9.6	19
77	Application of an enzyme-based biofuel cell containing a bioelectrode modified with deoxyribonucleic acid-wrapped single-walled carbon nanotubes to serum. Enzyme and Microbial Technology, 2011, 48, 80-84.	3.2	19
78	Co-fermentation of carbon sources by <i>Enterobacter aerogenes</i> ATCC 29007 to enhance the production of bioethanol. Bioprocess and Biosystems Engineering, 2014, 37, 1073-1084.	3.4	19
79	Re-utilization of waste glycerol for continuous production of bioethanol by immobilized <i>Enterobacter aerogenes</i> . Journal of Cleaner Production, 2017, 161, 757-764.	9.3	19
80	Production of L-lactic acid from metabolically engineered strain of <i>Enterobacter aerogenes</i> ATCC 29007. Enzyme and Microbial Technology, 2017, 102, 1-8.	3.2	18
81	A novel enzyme-immobilization method for a biofuel cell. Journal of Molecular Catalysis B: Enzymatic, 2009, 59, 274-278.	1.8	17
82	Immobilization of glucose oxidase onto cobalt based on silica core/shell nanoparticles as carrier. Process Biochemistry, 2012, 47, 1282-1286.	3.7	17
83	Increased ethanol production from glycerol by <i>Saccharomyces cerevisiae</i> strains with enhanced stress tolerance from the overexpression of SAGA complex components. Enzyme and Microbial Technology, 2012, 51, 237-243.	3.2	17
84	Development of the Troponin Detection System Based on the Nanostructure. Micromachines, 2019, 10, 203.	2.9	17
85	Process design and evaluation of value-added chemicals production from biomass. Biotechnology and Bioprocess Engineering, 2012, 17, 1055-1061.	2.6	16
86	Improved production of bacterial cellulose through investigation of effects of inhibitory compounds from lignocellulosic hydrolysates. GCB Bioenergy, 2021, 13, 436-444.	5.6	16
87	Pretreatment of Rice Straw by Proton Beam Irradiation for Efficient Enzyme Digestibility. Applied Biochemistry and Biotechnology, 2011, 164, 1183-1191.	2.9	15
88	Enzymatic production of glycerol acetate from glycerol. Enzyme and Microbial Technology, 2015, 69, 19-23.	3.2	15
89	Enhanced L-Lysine into 1,5-Diaminopentane Conversion via Statistical Optimization of Whole-Cell Decarboxylation System. Polymers, 2019, 11, 1372.	4.5	15
90	Production of Novel Polygalacturonase from <i>Bacillus paralicheniformis</i> CBS32 and Application to Depolymerization of Ramie Fiber. Polymers, 2019, 11, 1525.	4.5	15

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91	Energy-efficient glucose recovery from chestnut shell by optimization of NaOH pretreatment at room temperature and application to bioethanol production. <i>Environmental Research</i> , 2022, 208, 112710.	7.5	14
92	Improved high-pressure enzymatic biodiesel batch synthesis in near-critical carbon dioxide. <i>Bioprocess and Biosystems Engineering</i> , 2012, 35, 105-113.	3.4	13
93	Recent Advances in CRP Biosensor Based on Electrical, Electrochemical and Optical Methods. <i>Sensors</i> , 2021, 21, 3024.	3.8	13
94	Fabrication of a surface-enhanced Raman spectroscopy-based analytical method consisting of multifunctional DNA three-way junction-conjugated porous gold nanoparticles and Au-Te nanoworm for C-reactive protein detection. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 3197-3204.	3.7	13
95	Production and characterization of cellobiose dehydrogenase from <i>Phanerochaete chrysosporium</i> KCCM 60256 and its application for an enzymatic fuel cell. <i>Korean Journal of Chemical Engineering</i> , 2016, 33, 3434-3441.	2.7	12
96	Stimulation of 2,3-butanediol production by upregulation of alsR gene transcription level with acetate addition in <i>Enterobacter aerogenes</i> ATCC 29007. <i>Process Biochemistry</i> , 2016, 51, 1904-1910.	3.7	12
97	Process strategy for 2,3-butanediol production in fed-batch culture by acetate addition. <i>Journal of Industrial and Engineering Chemistry</i> , 2017, 56, 157-162.	5.8	12
98	Improvement of power generation of enzyme fuel cell by novel GO/Co/chitosan electrodeposition. <i>Journal of Industrial and Engineering Chemistry</i> , 2020, 81, 108-114.	5.8	12
99	Hydrogen Production from Methane by <i>Methylomonas</i> sp. DH-1 under Micro-aerobic Conditions. <i>Biotechnology and Bioprocess Engineering</i> , 2020, 25, 71-77.	2.6	12
100	Enhancement of glucose isomerase activity by pretreatment with substrates prior to immobilization. <i>Korean Journal of Chemical Engineering</i> , 2011, 28, 1096-1100.	2.7	11
101	Enhanced In-Vitro Hemozoin Polymerization by Optimized Process using Histidine-Rich Protein II (HRPII). <i>Polymers</i> , 2019, 11, 1162.	4.5	11
102	Improvement of Enzymatic Glucose Conversion from Chestnut Shells through Optimization of KOH Pretreatment. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 3772.	2.6	11
103	Optimization of culture medium for lactosucrose ( G-beta-D-galactosylsucrose) Production by <i>Sterigmatomyces elviae</i> mutant using statistical analysis. <i>Journal of Microbiology and Biotechnology</i> , 2007, 17, 1996-2004.	2.1	11
104	Development of Electron Transfer Mediator Using Modified Graphite Oxide/Cobalt for Enzymatic Fuel Cell. <i>Journal of the Electrochemical Society</i> , 2015, 162, G113-G118.	2.9	10
105	Novel and highly efficient lipase-catalyzed esterification of formic acid with hexanol for waste gas reutilization. <i>Journal of Industrial and Engineering Chemistry</i> , 2021, 93, 430-435.	5.8	10
106	Process design and evaluation of production of bioethanol and $\beta$ -lactam antibiotic from lignocellulosic biomass. <i>Bioresource Technology</i> , 2014, 172, 194-200.	9.6	9
107	Continuous production of bioethanol using microalgal sugars extracted from <i>Nannochloropsis gaditana</i> . <i>Korean Journal of Chemical Engineering</i> , 2019, 36, 71-76.	2.7	9
108	Fabrication of an Electrochemical Aptasensor Composed of Multifunctional DNA Three-Way Junction on Au Microgap Electrode for Interferon Gamma Detection in Human Serum. <i>Biomedicines</i> , 2021, 9, 692.	3.2	9

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109	Optimization of enzymatic biodiesel synthesis using RSM in high pressure carbon dioxide and its scale up. <i>Bioprocess and Biosystems Engineering</i> , 2013, 36, 775-780.	3.4	7
110	The potential of waste microalgal hydrolysate for power generation in enzymatic fuel cell. <i>Journal of Cleaner Production</i> , 2018, 187, 903-909.	9.3	7
111	Fabrication of Bioprobe Self-Assembled on Au@Te Nanoworm Structure for SERS Biosensor. <i>Materials</i> , 2020, 13, 3234.	2.9	7
112	Improving Biosensors by the Use of Different Nanomaterials: Case Study with Microcystins as Target Analytes. <i>Biosensors</i> , 2021, 11, 525.	4.7	7
113	Rapid analysis of barley straw before and after dilute sulfuric acid pretreatment by photoluminescence. <i>Bioresource Technology</i> , 2013, 146, 789-793.	9.6	6
114	Bimetallic Au/Ag nanoframes as spectator for Co <sup>2+</sup> ion. <i>Journal of Industrial and Engineering Chemistry</i> , 2017, 48, 235-241.	5.8	6
115	Sonocatalytic reduction of nitrate using magnetic layered double hydroxide: Implications for removal mechanism. <i>Chemosphere</i> , 2019, 218, 799-809.	8.2	6
116	Development of 2,3-Butanediol Production Process from <i>Klebsiella aerogenes</i> ATCC 29007 Using Extracted Sugars of <i>Chlorella pyrenoidosa</i> and Biodiesel-Derived Crude Glycerol. <i>Processes</i> , 2021, 9, 517.	2.8	6
117	Development of Colorimetric Whole-Cell Biosensor for Detection of Heavy Metals in Environment for Public Health. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 12721.	2.6	6
118	Efficient Production of Naringin Acetate with Different Acyl Donors via Enzymatic Transesterification by Lipases. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 2972.	2.6	6
119	Fabrication of electrochemical biosensor composed of multi-functional DNA 4 way junction for TNF- $\alpha$ detection in human serum. <i>Bioelectrochemistry</i> , 2021, 142, 107939.	4.6	5
120	Increase of electrical properties using a novel mixed buffer system in an enzyme fuel cell. <i>Biotechnology and Bioprocess Engineering</i> , 2009, 14, 687-693.	2.6	3
121	Rapid and concise quantification of mycelial growth by microscopic image intensity model and application to mass cultivation of fungi. <i>Scientific Reports</i> , 2021, 11, 24157.	3.3	3
122	Development of magnetic luminescent core/shell nanocomplex particles with fluorescence using Rhodamine 6G. <i>Materials Research Bulletin</i> , 2012, 47, 4101-4106.	5.2	2
123	Reutilization of carbon sources through sugar recovery from waste rice straw. <i>Renewable Energy</i> , 2013, 53, 43-48.	8.9	2