

Ghasem D Najafpour

List of Publications by Year in descending order

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222
papers

7,775
citations

61984

43
h-index

64796

79
g-index

226
all docs

226
docs citations

226
times ranked

8569
citing authors

#	ARTICLE	IF	CITATIONS
1	Anaerobic co-digestion of animal manures and lignocellulosic residues as a potent approach for sustainable biogas production. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 79, 308-322.	16.4	363
2	Ethanol fermentation in an immobilized cell reactor using <i>Saccharomyces cerevisiae</i> . <i>Bioresource Technology</i> , 2004, 92, 251-260.	9.6	242
3	Piperine—The Bioactive Compound of Black Pepper: From Isolation to Medicinal Formulations. <i>Comprehensive Reviews in Food Science and Food Safety</i> , 2017, 16, 124-140.	11.7	234
4	Power generation from organic substrate in batch and continuous flow microbial fuel cell operations. <i>Applied Energy</i> , 2011, 88, 3999-4004.	10.1	230
5	High-rate anaerobic digestion of palm oil mill effluent in an upflow anaerobic sludge-fixed film bioreactor. <i>Process Biochemistry</i> , 2006, 41, 370-379.	3.7	227
6	Preparation of carbon molecular sieve from lignocellulosic biomass: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2010, 14, 1591-1599.	16.4	221
7	Treatment of pulp and paper mill wastewater by polyacrylamide (PAM) in polymer induced flocculation. <i>Journal of Hazardous Materials</i> , 2006, 135, 378-388.	12.4	220
8	Bioconversion of synthesis gas to second generation biofuels: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2011, 15, 4255-4273.	16.4	215
9	A comprehensive review on biological hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 22492-22512.	7.1	206
10	Ethanol and acetate production from synthesis gas via fermentation processes using anaerobic bacterium, <i>Clostridium ljungdahlii</i> . <i>Biochemical Engineering Journal</i> , 2005, 27, 110-119.	3.6	199
11	Process modeling and analysis of palm oil mill effluent treatment in an up-flow anaerobic sludge fixed film bioreactor using response surface methodology (RSM). <i>Water Research</i> , 2006, 40, 3193-3208.	11.3	186
12	Synthesis, characterization and application studies of self-made Fe ₃ O ₄ /PES nanocomposite membranes in microbial fuel cell. <i>Electrochimica Acta</i> , 2012, 85, 700-706.	5.2	147
13	Removal of Rhodamine B from Aqueous Solution Using Palm Shell-Based Activated Carbon: Adsorption and Kinetic Studies. <i>Journal of Chemical & Engineering Data</i> , 2010, 55, 5777-5785.	1.9	143
14	A novel microbial fuel cell stack for continuous production of clean energy. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 5992-6000.	7.1	143
15	Sustainable ethanol fermentation from synthesis gas by <i>Clostridium ljungdahlii</i> in a continuous stirred tank bioreactor. <i>Journal of Chemical Technology and Biotechnology</i> , 2012, 87, 837-843.	3.2	110
16	MULTIWALLED CARBON NANOTUBES BASED NANOCOMPOSITES FOR SUPERCAPACITORS: A REVIEW OF ELECTRODE MATERIALS. <i>Nano</i> , 2012, 07, 1230002.	1.0	102
17	A review on the effect of proton exchange membranes in microbial fuel cells. <i>Biofuel Research Journal</i> , 2014, 01, 7-15.	13.3	97
18	Facile in-situ assembly of silver-based MOFs to surface functionalization of TFC membrane: A novel approach toward long-lasting biofouling mitigation. <i>Journal of Membrane Science</i> , 2019, 573, 257-269.	8.2	94

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19	Biohydrogen production in a continuous stirred tank bioreactor from synthesis gas by anaerobic photosynthetic bacterium: <i>Rhodospirillum rubrum</i> . <i>Bioresource Technology</i> , 2008, 99, 2612-2619.	9.6	93
20	Manganese ferrite (MnFe ₂ O ₄) Nanoparticles: From synthesis to application -A review. <i>Journal of Industrial and Engineering Chemistry</i> , 2021, 103, 292-304.	5.8	93
21	Methylene blue as electron promoters in microbial fuel cell. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 13335-13341.	7.1	90
22	Effect of organic loading on performance of rotating biological contactors using Palm Oil Mill effluents. <i>Process Biochemistry</i> , 2005, 40, 2879-2884.	3.7	89
23	Kinetic evaluation of palm oil mill effluent digestion in a high rate up-flow anaerobic sludge fixed film bioreactor. <i>Process Biochemistry</i> , 2006, 41, 1038-1046.	3.7	87
24	Thionine increases electricity generation from microbial fuel cell using <i>Saccharomyces cerevisiae</i> and exoelectrogenic mixed culture. <i>Journal of Microbiology</i> , 2012, 50, 575-580.	2.8	86
25	Acid pretreatment and enzymatic saccharification of brown seaweed for polyhydroxybutyrate (PHB) production using <i>Cupriavidus necator</i> . <i>International Journal of Biological Macromolecules</i> , 2017, 101, 1029-1040.	7.5	86
26	Cane molasses fermentation for continuous ethanol production in an immobilized cells reactor by <i>Saccharomyces cerevisiae</i> . <i>Renewable Energy</i> , 2011, 36, 503-509.	8.9	80
27	Evaluation of critical parameters for preparation of stable clove oil nanoemulsion. <i>Arabian Journal of Chemistry</i> , 2019, 12, 3225-3230.	4.9	80
28	Enzymatic hydrolysis of molasses. <i>Bioresource Technology</i> , 2003, 86, 91-94.	9.6	77
29	Enzyme-assisted ionic liquid extraction of bioactive compound from turmeric (<i>Curcuma longa</i> L.): Isolation, purification and analysis of curcumin. <i>Industrial Crops and Products</i> , 2017, 95, 686-694.	5.2	76
30	Macro and Micro Algae in Pollution Control and Biofuel Production – A Review. <i>ChemBioEng Reviews</i> , 2020, 7, 18-33.	4.4	76
31	High performance curcumin subcritical water extraction from turmeric (<i>Curcuma longa</i> L.). <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016, 1022, 191-198.	2.3	75
32	Clove oil nanoemulsion as an effective antibacterial agent: Taguchi optimization method. <i>Desalination and Water Treatment</i> , 2016, 57, 18379-18390.	1.0	72
33	<i>Clostridium acetivum</i> – A potential organism in catalyzing carbon monoxide to acetic acid: Application of response surface methodology. <i>Enzyme and Microbial Technology</i> , 2007, 40, 1234-1243.	3.2	69
34	Effect of organic substrate on hydrogen production from synthesis gas using <i>Rhodospirillum rubrum</i> , in batch culture. <i>Biochemical Engineering Journal</i> , 2004, 21, 123-130.	3.6	64
35	Design of PAMAM grafted chitosan dendrimers biosorbent for removal of anionic dyes: Adsorption isotherms, kinetics and thermodynamics studies. <i>International Journal of Biological Macromolecules</i> , 2021, 177, 306-316.	7.5	63
36	Performance of a three-stage aerobic RBC reactor in food canning wastewater treatment. <i>Biochemical Engineering Journal</i> , 2006, 30, 297-302.	3.6	60

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37	Determination of optimum conditions for dairy wastewater treatment in UAASB reactor for removal of nutrients. <i>Bioresource Technology</i> , 2013, 145, 71-79.	9.6	59
38	Assessment of bioelectricity production in microbial fuel cells through series and parallel connections. <i>Energy Conversion and Management</i> , 2013, 75, 256-262.	9.2	59
39	Influence of nutrients and LED light intensities on biomass production of microalgae <i>Chlorella vulgaris</i> . <i>Biotechnology and Bioprocess Engineering</i> , 2015, 20, 284-290.	2.6	58
40	Performance of microbial desalination cell for salt removal and energy generation using different catholyte solutions. <i>Desalination</i> , 2018, 432, 1-9.	8.2	58
41	Production of active lipase by <i>hizopus oryzae</i> from sugarcane bagasse: solid state fermentation in a tray bioreactor. <i>International Journal of Food Science and Technology</i> , 2013, 48, 283-289.	2.7	57
42	Ethanol and acetate synthesis from waste gas using batch culture of <i>Clostridium ljungdahlii</i> . <i>Enzyme and Microbial Technology</i> , 2006, 38, 223-228.	3.2	53
43	Adsorption of Fe(II) ions from aqueous phase by chitosan adsorbent: equilibrium, kinetic, and thermodynamic studies. <i>Desalination and Water Treatment</i> , 2012, 50, 348-359.	1.0	53
44	Sequential Microwave-Ultrasound-Assisted Extraction for Isolation of Piperine from Black Pepper (<i>Piper nigrum</i> L.). <i>Food and Bioprocess Technology</i> , 2017, 10, 2199-2207.	4.7	47
45	Use of artificial neural network for the prediction of bioelectricity production in a membrane less microbial fuel cell. <i>Fuel</i> , 2014, 117, 697-703.	6.4	45
46	Exergy-based sustainability assessment of continuous photobiological hydrogen production using anaerobic bacterium <i>Rhodospirillum rubrum</i> . <i>Journal of Cleaner Production</i> , 2016, 139, 157-166.	9.3	45
47	Investigation on performance of microbial fuel cells based on carbon sources and kinetic models. <i>International Journal of Energy Research</i> , 2013, 37, 1539-1549.	4.5	43
48	Facile and green synthesis of cobalt oxide nanoparticles using ethanolic extract of <i>Trigonella foenumgraceum</i> (Fenugreek) leaves. <i>Advanced Powder Technology</i> , 2020, 31, 3562-3569.	4.1	43
49	Cultivation of newly isolated microalgae <i>Coelastrum</i> sp. in wastewater for simultaneous CO ₂ fixation, lipid production and wastewater treatment. <i>Bioprocess and Biosystems Engineering</i> , 2018, 41, 519-530.	3.4	42
50	Treatment of paper-recycling wastewater by electrocoagulation using aluminum and iron electrodes. <i>Journal of Environmental Health Science & Engineering</i> , 2018, 16, 257-264.	3.0	40
51	A Survey on Various Carbon Sources for Biological Hydrogen Production via the Water-Gas Reaction Using a Photosynthetic Bacterium (<i>Rhodospirillum rubrum</i>). <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2006, 28, 1013-1026.	2.3	39
52	Evaluation of antimicrobial and dyeing properties of walnut (<i>Juglans regia</i> L.) green husk extract for cosmetics. <i>Coloration Technology</i> , 2018, 134, 71-81.	1.5	39
53	Biological hydrogen production from CO: Bioreactor performance. <i>Biochemical Engineering Journal</i> , 2008, 39, 468-477.	3.6	38
54	Investigation and modeling effective parameters influencing the size of BSA protein nanoparticles as colloidal carrier. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012, 412, 96-100.	4.7	38

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55	Kinetic Studies on Fermentative Production of Biofuel from Synthesis Gas Using <i>Clostridium ljungdahlii</i> . <i>Scientific World Journal</i> , The, 2014, 2014, 1-8.	2.1	38
56	Kinetic models for xanthan gum production using <i>Xanthomonas campestris</i> from molasses. <i>Chemical Industry and Chemical Engineering Quarterly</i> , 2011, 17, 179-187.	0.7	36
57	The Enhancement of a Microbial Fuel Cell for Electrical Output Using Mediators and Oxidizing Agents. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2011, 33, 2239-2248.	2.3	36
58	Exergy analysis of biohydrogen production from various carbon sources via anaerobic photosynthetic bacteria (<i>Rhodospirillum rubrum</i>). <i>Energy</i> , 2015, 93, 730-739.	8.8	36
59	Growth kinetic models of five species of <i>Lactobacilli</i> and lactose consumption in batch submerged culture. <i>Brazilian Journal of Microbiology</i> , 2017, 48, 251-258.	2.0	36
60	Determination of Diazinon in fruit samples using electrochemical sensor based on carbon nanotubes modified carbon paste electrode. <i>Biocatalysis and Agricultural Biotechnology</i> , 2019, 20, 101245.	3.1	36
61	Improvement of Microbial Fuel Cell Performance by Using Nafion Polyaniline Composite Membranes as a Separator. <i>Journal of Fuel Cell Science and Technology</i> , 2013, 10, .	0.8	35
62	Production of Saponin Biosurfactant from <i>Glycyrrhiza glabra</i> as an Agent for Upgrading Heavy Crude Oil. <i>Journal of Surfactants and Detergents</i> , 2016, 19, 1251-1261.	2.1	35
63	Stability of immobilized porcine pancreas lipase on mesoporous chitosan beads: A comparative study. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2016, 133, 144-153.	1.8	35
64	Improvement of sediment microbial fuel cell performances by design and application of power management systems. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 16965-16975.	7.1	35
65	Bioconversion of synthesis gas to hydrogen using a light-dependent photosynthetic bacterium, <i>Rhodospirillum rubrum</i> . <i>World Journal of Microbiology and Biotechnology</i> , 2007, 23, 275-284.	3.6	34
66	Growth kinetic models for phenol biodegradation in a batch culture of <i>Pseudomonas putida</i> . <i>Environmental Technology (United Kingdom)</i> , 2011, 32, 1835-1841.	2.2	34
67	Adsorption of DNA/RNA nucleobases onto single-layer MoS ₂ and Li-Doped MoS ₂ : A dispersion-corrected DFT study. <i>Applied Surface Science</i> , 2018, 434, 176-187.	6.1	34
68	Exergy analysis for decision making on operational condition of a continuous photobioreactor for hydrogen production via WGS reaction. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 2354-2366.	7.1	33
69	Exergy-based performance analysis of a continuous stirred bioreactor for ethanol and acetate fermentation from syngas via Wood-Werkman-Ljungdahl pathway. <i>Chemical Engineering Science</i> , 2016, 143, 36-46.	3.8	30
70	Single-Layer Assembly of Multifunctional Carboxymethylcellulose on Graphene Oxide Nanoparticles for Improving in Vivo Curcumin Delivery into Tumor Cells. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 2595-2609.	5.2	30
71	Modeling and optimization of ethanol fermentation using <i>Saccharomyces cerevisiae</i> : Response surface methodology and artificial neural network. <i>Chemical Industry and Chemical Engineering Quarterly</i> , 2013, 19, 241-252.	0.7	29
72	Exopolysaccharide production of <i>Pantoea</i> sp. BCCS 001 GH: Physical characterizations, emulsification, and antioxidant activities. <i>International Journal of Biological Macromolecules</i> , 2018, 118, 1103-1111.	7.5	29

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73	Evaluation of mycophenolic acid production by <i>Penicillium brevicompactum</i> MUCL 19011 in batch and continuous submerged cultures. <i>Biochemical Engineering Journal</i> , 2010, 50, 99-103.	3.6	28
74	Optimal growth of <i>Saccharomyces cerevisiae</i> (PTCC 24860) on pretreated molasses for ethanol production: Application of response surface methodology. <i>Chemical Industry and Chemical Engineering Quarterly</i> , 2010, 16, 199-206.	0.7	28
75	An electrochemical nitric oxide biosensor based on immobilized cytochrome c on a chitosan-gold nanocomposite modified gold electrode. <i>International Journal of Biological Macromolecules</i> , 2018, 108, 250-258.	7.5	28
76	CO ₂ bio-fixation and biofuel production in an airlift photobioreactor by an isolated strain of microalgae <i>Coelastrum</i> sp. SM under high CO ₂ concentrations. <i>Environmental Science and Pollution Research</i> , 2018, 25, 30139-30150.	5.3	28
77	Co-treatment of septage and municipal wastewater in a quadripartite microbial desalination cell. <i>Chemical Engineering Journal</i> , 2018, 354, 1092-1099.	12.7	28
78	Growth kinetic parameters and biosynthesis of polyhydroxybutyrate in <i>Cupriavidus necator</i> DSMZ 545 on selected substrates. <i>Chemical Industry and Chemical Engineering Quarterly</i> , 2011, 17, 1-8.	0.7	27
79	On the exergetic optimization of continuous photobiological hydrogen production using hybrid ANFIS-NSGA-II (adaptive neuro-fuzzy inference system-non-dominated sorting genetic algorithm-II). <i>Energy</i> , 2016, 96, 507-520.	8.8	26
80	Biofiltration of ethyl acetate by <i>Pseudomonas putida</i> immobilized on walnut shell. <i>Bioresource Technology</i> , 2012, 123, 419-423.	9.6	25
81	Mathematical modeling of continuous ethanol fermentation in a membrane bioreactor by pervaporation compared to conventional system: Genetic algorithm. <i>Bioresource Technology</i> , 2016, 212, 62-71.	9.6	24
82	Production of pectinases for quality apple juice through fermentation of orange pomace. <i>Journal of Food Science and Technology</i> , 2017, 54, 4123-4128.	2.8	24
83	Gold nanoparticle prepared by electrochemical deposition for electrochemical determination of gabapentin as an antiepileptic drug. <i>Journal of Electroanalytical Chemistry</i> , 2019, 835, 281-286.	3.8	24
84	Thermodynamic evaluation of a photobioreactor for hydrogen production from syngas via a locally isolated <i>Rhodospseudomonas palustris</i> PT. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 14246-14256.	7.1	23
85	Multi-objective exergetic optimization of continuous photo-biohydrogen production process using a novel hybrid fuzzy clustering-ranking approach coupled with Radial Basis Function (RBF) neural network. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 18418-18430.	7.1	23
86	A comparative study of the anaerobic baffled reactor and an integrated anaerobic baffled reactor and microbial electrolysis cell for treatment of petrochemical wastewater. <i>Biochemical Engineering Journal</i> , 2019, 144, 157-165.	3.6	23
87	Bioconversion of agroindustrial wastes to pectinases enzyme via solid state fermentation in trays and rotating drum bioreactors. <i>Biocatalysis and Agricultural Biotechnology</i> , 2019, 21, 101280.	3.1	22
88	Enhancing biodegradation and energy generation via roughened surface graphite electrode in microbial desalination cell. <i>Water Science and Technology</i> , 2017, 76, 1206-1214.	2.5	21
89	Synthesis, characterization and physical properties of a novel xanthan gum/polypyrrole nanocomposite. <i>Synthetic Metals</i> , 2012, 162, 236-239.	3.9	20
90	Biohydrogen production from CO-rich syngas via a locally isolated <i>Rhodospseudomonas palustris</i> PT. <i>Bioprocess and Biosystems Engineering</i> , 2014, 37, 923-930.	3.4	20

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91	Using exergy to analyse the sustainability of fermentative ethanol and acetate production from syngas via anaerobic bacteria (<i>Clostridium ljungdahlii</i>). <i>Sustainable Energy Technologies and Assessments</i> , 2016, 15, 11-19.	2.7	20
92	Sustainability assessment of photobiological hydrogen production using anaerobic bacteria (<i>Rhodospirillum rubrum</i>) via exergy concept: Effect of substrate concentrations. <i>Environmental Progress and Sustainable Energy</i> , 2016, 35, 1166-1176.	2.3	20
93	Influential Parameters on Biomethane Generation in Anaerobic Wastewater Treatment Plants. , 0, , .		19
94	Improving bioelectricity generation and COD removal of sewage sludge in microbial desalination cell. <i>Environmental Technology (United Kingdom)</i> , 2018, 39, 1188-1197.	2.2	19
95	REMOVAL OF TOLUENE AND DICHLOROMETHANE FROM AQUEOUS PHASE BY GRANULAR ACTIVATED CARBON (GAC). <i>Chemical Engineering Communications</i> , 2012, 199, 203-220.	2.6	18
96	Lipase-mediated hydrolysis of flax seed oil for selective enrichment of Ω -linolenic acid. <i>European Journal of Lipid Science and Technology</i> , 2012, 114, 1246-1253.	1.5	18
97	Media Optimization for Poly(β -hydroxybutyrate) Production Using <i>Azotobacter Beijerinckii</i> . <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2013, 62, 265-269.	3.4	18
98	Thin film composite nanofiltration membrane for lactic acid production in membrane bioreactor. <i>Biochemical Engineering Journal</i> , 2018, 132, 152-160.	3.6	18
99	Biological treatment of whey in an UASFF bioreactor followed a three-stage RBC. <i>Chemical Industry and Chemical Engineering Quarterly</i> , 2010, 16, 175-182.	0.7	17
100	An exergetically-sustainable operational condition of a photo-biohydrogen production system optimized using conventional and innovative fuzzy techniques. <i>Renewable Energy</i> , 2016, 94, 605-618.	8.9	17
101	Performance analysis of a continuous bioreactor for ethanol and acetate synthesis from syngas via <i>Clostridium ljungdahlii</i> using exergy concept. <i>Clean Technologies and Environmental Policy</i> , 2016, 18, 853-865.	4.1	17
102	Performance of an integrated fixed bed membrane bioreactor (FBMBR) applied to pollutant removal from paper-recycling wastewater. <i>Water Resources and Industry</i> , 2019, 21, 100111.	3.9	17
103	Loading of apigenin extracted from parsley leaves on colloidal core-shell nanocomposite for bioavailability enhancement. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 625, 126867.	4.7	17
104	Comparative study on the extraction of apigenin from parsley leaves (<i>Petroselinum crispum</i> L.) by ultrasonic and microwave methods. <i>Chemical Papers</i> , 2020, 74, 3857-3871.	2.2	17
105	Dynamic adsorption of phenolic compounds on activated carbon produced from pulp and paper mill sludge: experimental study and modeling by artificial neural network (ANN). <i>Desalination and Water Treatment</i> , 2015, 55, 1453-1466.	1.0	16
106	Exergy Analysis as a Tool for Decision Making on Substrate Concentration and Light Intensity in Photobiological Hydrogen Production. <i>Energy Technology</i> , 2016, 4, 429-440.	3.8	16
107	Enhanced power generation in annular single-chamber microbial fuel cell via optimization of electrode spacing using chocolate industry wastewater. <i>Biotechnology and Applied Biochemistry</i> , 2016, 63, 427-434.	3.1	16
108	REMOVAL OF DYE AND CHEMICAL OXYGEN DEMAND (COD) REDUCTION FROM TEXTILE INDUSTRIAL WASTEWATER USING HYBRID BIOREACTORS. <i>Environmental Engineering and Management Journal</i> , 2014, 13, 43-50.	0.6	16

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109	Biological conversion of poultry processing waste to single cell protein. <i>Bioresource Technology</i> , 1994, 48, 65-70.	9.6	15
110	Removal of melanoidin from molasses spent wash using fly ash-clay adsorbents. <i>Korean Journal of Chemical Engineering</i> , 2011, 28, 1035-1041.	2.7	15
111	Amperometric urea biosensor based on immobilized urease on polypyrrole and macroporous polypyrrole modified Pt electrode. <i>Turkish Journal of Chemistry</i> , 2019, 43, 1063-1074.	1.2	15
112	Effect of Mass Transfer on Performance of Microbial Fuel Cell. , 0, , .		14
113	<i>Clostridium ljungdahlii</i> for production of biofuel from synthesis gas. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2016, 38, 427-434.	2.3	14
114	Photosynthesis assisted anaerobic digestion of cattle manure leachate in a hybrid bioreactor: An integrated system for enhanced wastewater treatment and methane production. <i>Chemical Engineering Journal</i> , 2017, 330, 616-624.	12.7	14
115	Enhanced Ethanol Separation by Corona-Modified Surface MWCNT Composite PDMS/PES.PVP Membrane. <i>Jom</i> , 2019, 71, 285-293.	1.9	14
116	Advanced sensing platform for electrochemical monitoring of the environmental toxin; bisphenol A. <i>Ecotoxicology and Environmental Safety</i> , 2020, 190, 110088.	6.0	14
117	Effects of process factors on biological activity of granular sludge grown in an UASFF bioreactor. <i>Renewable Energy</i> , 2009, 34, 1245-1251.	8.9	13
118	Fabrication and characterization of polyaniline/xanthan gum nanocomposite: Conductivity and thermal properties. <i>Synthetic Metals</i> , 2012, 162, 171-175.	3.9	13
119	Characterization and evaluation of the novel agarose-nickel composite matrix for possible use in expanded bed adsorption of bio-products. <i>Journal of Chromatography A</i> , 2014, 1331, 61-68.	3.7	13
120	Fabrication and evaluation of carboxymethylated diethylaminoethyl cellulose microcarriers as support for cellular applications. <i>Carbohydrate Polymers</i> , 2019, 226, 115284.	10.2	13
121	Optimization of semi-anaerobic vitamin B12 (cyanocobalamin) production from rice bran oil using <i>Propionibacterium freudenreichii</i> PTCC1674. <i>Biocatalysis and Agricultural Biotechnology</i> , 2020, 23, 101444.	3.1	13
122	Evaluation of hydrodynamic parameters of fluidized bed adsorption on purification of nano-bioproducts. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2009, 6, 2199-2206.	0.8	12
123	Production of carbon molecular sieves from palm shell through carbon deposition from methane. <i>Chemical Industry and Chemical Engineering Quarterly</i> , 2011, 17, 525-533.	0.7	12
124	Measurement of polarization curve and development of a unique semi empirical model for description of PEMFC and DMFC performances. <i>Chemical Industry and Chemical Engineering Quarterly</i> , 2011, 17, 207-214.	0.7	12
125	Application of response surface methodology for simultaneous carbon and nitrogen (SND) removal from dairy wastewater in batch systems. <i>International Journal of Environmental Studies</i> , 2012, 69, 962-986.	1.6	12
126	A study on the effect of parameters on lactic acid production from whey. <i>Polish Journal of Chemical Technology</i> , 2016, 18, 58-63.	0.5	12

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127	Dye removal of AR27 with enhanced degradation and power generation in a microbial fuel cell using bioanode of treated clinoptilolite-modified graphite felt. <i>Environmental Science and Pollution Research</i> , 2017, 24, 19444-19457.	5.3	12
128	Recent advances in electroanalytical methods for the therapeutic monitoring of antiepileptic drugs: A comprehensive review. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 188, 113394.	2.8	12
129	Phytochemical analysis, antioxidant activity, and pancreatic lipase inhibitory effect of ethanolic extract of <i>Trigonella foenum-graecum</i> L. leaves. <i>Biocatalysis and Agricultural Biotechnology</i> , 2021, 32, 101961.	3.1	12
130	Perspectives on Membrane Bioreactor Potential for Treatment of Pulp and Paper Industry Wastewater: A Critical Review. <i>Journal of Applied Biotechnology Reports</i> , 2018, 5, 139-150.	0.9	12
131	Impacts of process parameters optimization on the performance of the annular single chamber microbial fuel cell in wastewater treatment. <i>Engineering in Life Sciences</i> , 2017, 17, 545-551.	3.6	11
132	Enantioselective synthesis of (S)-naproxen using immobilized lipase on chitosan beads. <i>Chirality</i> , 2017, 29, 304-314.	2.6	11
133	Efficient methane production from petrochemical wastewater in a single membrane-less microbial electrolysis cell: the effect of the operational parameters in batch and continuous mode on bioenergy recovery. <i>Journal of Environmental Health Science & Engineering</i> , 2019, 17, 305-317.	3.0	11
134	A $\text{Gr}/\text{Fe}_2\text{O}_3/\text{Carbon}$ Paste Electrode Developed as an Electrochemical Sensor for Determination of Rizatriptan Benzoate: An Antimigraine Drug. <i>ChemistrySelect</i> , 2019, 4, 13421-13426.	1.5	11
135	Density functional theory study on the interaction of chitosan monomer with TiO_2 , SiO_2 and carbon nanotubes. <i>Materials Chemistry and Physics</i> , 2020, 255, 123576.	4.0	11
136	Experimental Design Procedure for Optimization of Saponin Extraction from <i>Glycyrrhiza glabra</i> : A Biosurfactant for Emulsification of Heavy Crude Oil. <i>Tenside, Surfactants, Detergents</i> , 2017, 54, 308-314.	1.2	11
137	Synthesis and Characterization of Amorphous Nano-Alumina Powders with High Surface Area for Biodiesel Production. <i>Chemical Engineering and Technology</i> , 2013, 36, 1708-1712.	1.5	10
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