

# David C. Stuckey

## List of Publications by Year in descending order

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225  
papers

11,745  
citations

26630

56  
h-index

33894

99  
g-index

226  
all docs

226  
docs citations

226  
times ranked

8609  
citing authors

#	ARTICLE	IF	CITATIONS
1	Bioassay for monitoring biochemical methane potential and anaerobic toxicity. <i>Water Research</i> , 1979, 13, 485-492.	11.3	1,315
2	A review of soluble microbial products (SMP) in wastewater treatment systems. <i>Water Research</i> , 1999, 33, 3063-3082.	11.3	764
3	Toxicants inhibiting anaerobic digestion: A review. <i>Biotechnology Advances</i> , 2014, 32, 1523-1534.	11.7	440
4	The use of the anaerobic baffled reactor (ABR) for wastewater treatment: a review. <i>Water Research</i> , 1999, 33, 1559-1578.	11.3	384
5	Bioaugmentation and its application in wastewater treatment: A review. <i>Chemosphere</i> , 2015, 140, 119-128.	8.2	336
6	Soluble microbial products formation in anaerobic chemostats in the presence of toxic compounds. <i>Water Research</i> , 2004, 38, 255-266.	11.3	280
7	Trace metal speciation and bioavailability in anaerobic digestion: A review. <i>Biotechnology Advances</i> , 2016, 34, 122-136.	11.7	226
8	Recent developments in anaerobic membrane reactors. <i>Bioresource Technology</i> , 2012, 122, 137-148.	9.6	217
9	Analytical methods for soluble microbial products (SMP) and extracellular polymers (ECP) in wastewater treatment systems: A review. <i>Water Research</i> , 2014, 61, 1-18.	11.3	198
10	The effect of thermal pretreatment on the anaerobic biodegradability and toxicity of waste activated sludge. <i>Water Research</i> , 1984, 18, 1343-1353.	11.3	162
11	Treatment of Dilute Wastewaters Using a Novel Submerged Anaerobic Membrane Bioreactor. <i>Journal of Environmental Engineering, ASCE</i> , 2006, 132, 190-198.	1.4	160
12	Flux and performance improvement in a submerged anaerobic membrane bioreactor (SAMBR) using powdered activated carbon (PAC). <i>Process Biochemistry</i> , 2008, 43, 93-102.	3.7	135
13	Nitrification of high strength ammonia wastewaters: comparative study of immobilisation media. <i>Water Research</i> , 2001, 35, 1169-1178.	11.3	134
14	Treatment of municipal solid waste leachate using a submerged anaerobic membrane bioreactor at mesophilic and psychrophilic temperatures: Analysis of recalcitrants in the permeate using GC-MS. <i>Water Research</i> , 2010, 44, 671-680.	11.3	116
15	Performance of the anaerobic baffled reactor under steady-state and shock loading conditions. <i>Biotechnology and Bioengineering</i> , 1991, 37, 344-355.	3.3	114
16	Integrated model of the production of soluble microbial products (SMP) and extracellular polymeric substances (EPS) in anaerobic chemostats during transient conditions. <i>Biochemical Engineering Journal</i> , 2008, 38, 138-146.	3.6	114
17	Hydrodynamic characteristics of the anaerobic baffled reactor. <i>Water Research</i> , 1992, 26, 371-378.	11.3	113
18	Saline sewage treatment using a submerged anaerobic membrane reactor (SAMBR): Effects of activated carbon addition and biogas-sparging time. <i>Water Research</i> , 2009, 43, 933-942.	11.3	113

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19	Production of Soluble Microbial Products (SMP) in an Anaerobic Baffled Reactor: Composition, Biodegradability, and the Effect of Process Parameters. <i>Environmental Technology (United Kingdom)</i> , 1998, 19, 391-399.	2.2	108
20	Microbial Populations Associated with Treatment of an Industrial Dye Effluent in an Anaerobic Baffled Reactor. <i>Applied and Environmental Microbiology</i> , 2001, 67, 3226-3235.	3.1	108
21	Removal of selected pharmaceuticals in an anaerobic membrane bioreactor (AnMBR) with/without powdered activated carbon (PAC). <i>Chemical Engineering Journal</i> , 2017, 321, 335-345.	12.7	103
22	Activated Carbon Addition to a Submerged Anaerobic Membrane Bioreactor: Effect on Performance, Transmembrane Pressure, and Flux. <i>Journal of Environmental Engineering, ASCE</i> , 2007, 133, 73-80.	1.4	102
23	Adaptation of anaerobic biomass to saline conditions: Role of compatible solutes and extracellular polysaccharides. <i>Enzyme and Microbial Technology</i> , 2009, 44, 46-51.	3.2	102
24	Characterisation of soluble residual chemical oxygen demand (COD) in anaerobic wastewater treatment effluents. <i>Water Research</i> , 1999, 33, 2499-2510.	11.3	99
25	Nitrogen removal in a modified anaerobic baffled reactor (ABR): 1, denitrification. <i>Water Research</i> , 2000, 34, 2413-2422.	11.3	97
26	Toxicity measurement in biological wastewater treatment processes: A review. <i>Journal of Hazardous Materials</i> , 2015, 286, 15-29.	12.4	95
27	The effect of shock loads on the performance of an anaerobic baffled reactor (ABR). 1. Step changes in feed concentration at constant retention time. <i>Water Research</i> , 1997, 31, 2737-2746.	11.3	90
28	Characterization of dissolved compounds in submerged anaerobic membrane bioreactors (SAMBRs). <i>Journal of Chemical Technology and Biotechnology</i> , 2006, 81, 1894-1904.	3.2	86
29	Protein Measurement in Biological Wastewater Treatment Systems: A Critical Evaluation. <i>Environmental Science &amp; Technology</i> , 2016, 50, 3074-3081.	10.0	83
30	Colorimetric measurement of carbohydrates in biological wastewater treatment systems: A critical evaluation. <i>Water Research</i> , 2016, 94, 280-287.	11.3	83
31	Dependency of simultaneous Cr(VI), Cu(II) and Cd(II) reduction on the cathodes of microbial electrolysis cells self-driven by microbial fuel cells. <i>Journal of Power Sources</i> , 2015, 273, 1103-1113.	7.8	82
32	Characterization of soluble microbial products (SMPs) in a membrane bioreactor (MBR) treating synthetic wastewater containing pharmaceutical compounds. <i>Water Research</i> , 2016, 102, 594-606.	11.3	81
33	The effect of shock loads on the performance of an anaerobic baffled reactor (ABR). 2. Step and transient hydraulic shocks at constant feed strength. <i>Water Research</i> , 1997, 31, 2747-2754.	11.3	80
34	Economic and environmental evaluation of nitrogen removal and recovery methods from wastewater. <i>Bioresource Technology</i> , 2016, 215, 227-238.	9.6	80
35	A modified method for the determination of chemical oxygen demand (COD) for samples with high salinity and low organics. <i>Bioresource Technology</i> , 2009, 100, 979-982.	9.6	78
36	Effect of ciprofloxacin on methane production and anaerobic microbial community. <i>Bioresource Technology</i> , 2018, 261, 240-248.	9.6	75

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37	Alginate extraction from Sargassum seaweed in the Caribbean region: Optimization using response surface methodology. <i>Carbohydrate Polymers</i> , 2020, 245, 116419.	10.2	75
38	Predispersed solvent extraction of dilute products using colloidal gas aphrons and colloidal liquid aphrons: Aphron preparation, stability and size. <i>Colloids and Surfaces</i> , 1992, 69, 65-72.	0.9	74
39	Treatment of dilute wastewater using an anaerobic baffled reactor: effect of low temperature. <i>Water Research</i> , 2000, 34, 3867-3875.	11.3	74
40	Treatment and Decolorization of Dyes in an Anaerobic Baffled Reactor. <i>Journal of Environmental Engineering, ASCE</i> , 2000, 126, 1026-1032.	1.4	73
41	Are Compatible Solutes Compatible with Biological Treatment of Saline Wastewater? Batch and Continuous Studies Using Submerged Anaerobic Membrane Bioreactors (SAMBRs). <i>Environmental Science &amp; Technology</i> , 2010, 44, 7437-7442.	10.0	73
42	Soluble microbial products (SMPs) in the effluent from a submerged anaerobic membrane bioreactor (SAMBR) under different HRTs and transient loading conditions. <i>Chemical Engineering Journal</i> , 2017, 311, 72-81.	12.7	73
43	Biogas productivity of anaerobic digestion process is governed by a core bacterial microbiota. <i>Chemical Engineering Journal</i> , 2020, 380, 122425.	12.7	73
44	Treatment of dilute soluble and colloidal wastewater using an anaerobic baffled reactor: influence of hydraulic retention time. <i>Water Research</i> , 2000, 34, 1307-1317.	11.3	70
45	Phytotoxicity and bioaccumulation of ZnO nanoparticles in <i>Schoenoplectus tabernaemontani</i> . <i>Chemosphere</i> , 2015, 120, 211-219.	8.2	70
46	Soluble Microbial Products in ABR Treating Low-Strength Wastewater. <i>Journal of Environmental Engineering, ASCE</i> , 2000, 126, 239-249.	1.4	68
47	Compatible solute addition to biological systems treating waste/wastewater to counteract osmotic and other environmental stresses: a review. <i>Critical Reviews in Biotechnology</i> , 2017, 37, 865-879.	9.0	67
48	Continuous treatment of the organic fraction of municipal solid waste in an anaerobic two-stage membrane process with liquid recycle. <i>Water Research</i> , 2009, 43, 2449-2462.	11.3	66
49	Comparison of the performance of one stage and two stage sequential anaerobic-aerobic biological processes for the treatment of reactive-azo-dye-containing synthetic wastewaters. <i>International Biodeterioration and Biodegradation</i> , 2011, 65, 591-599.	3.9	66
50	Optimization-based methodology for the development of wastewater facilities for energy and nutrient recovery. <i>Chemosphere</i> , 2015, 140, 150-158.	8.2	62
51	Bioavailability and Toxicity of Metal Nutrients during Anaerobic Digestion. <i>Journal of Environmental Engineering, ASCE</i> , 2007, 133, 28-35.	1.4	60
52	Characterization and Significance of Sub-Visible Particles and Colloids in a Submerged Anaerobic Membrane Bioreactor (SAnMBR). <i>Environmental Science &amp; Technology</i> , 2016, 50, 12750-12758.	10.0	59
53	Structure and stability of colloidal liquid aphrons. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1998, 131, 119-136.	4.7	58
54	Effects of Hydraulic/Organic Shock/Transient Loads in Anaerobic Wastewater Treatment: A Review. <i>Critical Reviews in Environmental Science and Technology</i> , 2015, 45, 2693-2727.	12.8	58

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55	Size-dependent microbial diversity of sub-visible particles in a submerged anaerobic membrane bioreactor (SAnMBR): Implications for membrane fouling. <i>Water Research</i> , 2019, 159, 20-29.	11.3	58
56	Cytochrome P450 immobilisation as a route to bioremediation/biocatalysis. <i>FEBS Letters</i> , 1998, 431, 343-346.	2.8	56
57	Hydrogen production in anaerobic reactors during shock loads— influence of formate production and H <sub>2</sub> kinetics. <i>Water Research</i> , 2001, 35, 1831-1841.	11.3	56
58	Production of Soluble Microbial Products (SMP) in Anaerobic Chemostats Under Nutrient Deficiency. <i>Journal of Environmental Engineering, ASCE</i> , 2003, 129, 1007-1014.	1.4	56
59	Treatment of oil well -produced water-by waste stabilization ponds: Removal of heavy metals. <i>Water Research</i> , 2009, 43, 4258-4268.	11.3	54
60	Backward extraction of reverse micellar encapsulated proteins using a counterionic surfactant. , 1999, 62, 593-601.		52
61	Effect of fluctuations in salinity on anaerobic biomass and production of soluble microbial products (SMPs). <i>Biodegradation</i> , 2009, 20, 165-175.	3.0	51
62	Metabolic reduction of resazurin; location within the cell for cytotoxicity assays. <i>Biotechnology and Bioengineering</i> , 2018, 115, 351-358.	3.3	51
63	Biological conversion of sulfamethoxazole in an autotrophic denitrification system. <i>Water Research</i> , 2020, 185, 116156.	11.3	50
64	Fate and removal of Ciprofloxacin in an anaerobic membrane bioreactor (AnMBR). <i>Bioresource Technology</i> , 2019, 289, 121683.	9.6	49
65	Free nitrous acid (FNA) induced transformation of sulfamethoxazole in the enriched nitrifying culture. <i>Water Research</i> , 2019, 149, 432-439.	11.3	49
66	Effect of Low Temperatures on the Performance of an Anaerobic Baffled Reactor (ABR). <i>Journal of Chemical Technology and Biotechnology</i> , 1997, 69, 276-284.	3.2	48
67	Heat Treatment and Anaerobic Digestion of Refuse. <i>American Society of Civil Engineers, Journal of the Environmental Engineering Division</i> , 1982, 108, 437-454.	0.3	48
68	A membrane bioreactor for biotransformations of hydrophobic molecules. , 1998, 58, 587-594.		46
69	Fouling reduction using adsorbents/flocculants in a submerged anaerobic membrane bioreactor. <i>Bioresource Technology</i> , 2017, 239, 226-235.	9.6	46
70	Effects of ZnO nanoparticle exposure on wastewater treatment and soluble microbial products (SMPs) in an anoxic-aerobic membrane bioreactor. <i>Chemosphere</i> , 2017, 171, 446-459.	8.2	45
71	Scattering enhanced quantum dots based luminescent solar concentrators by silica microparticles. <i>Solar Energy Materials and Solar Cells</i> , 2018, 179, 380-385.	6.2	44
72	Stimulation and Inhibition of Anaerobic Digestion by Nickel and Cobalt: A Rapid Assessment Using the Resazurin Reduction Assay. <i>Environmental Science &amp; Technology</i> , 2016, 50, 11154-11163.	10.0	43

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73	Microbial response to environmental changes in an Anaerobic Baffled Reactor (ABR). Antonie Van Leeuwenhoek, 1995, 67, 111-123.	1.7	42
74	Mass transfer of hydrophobic solutes in solvent swollen silicone rubber membranes. Journal of Membrane Science, 1999, 154, 127-140.	8.2	42
75	Numerical Investigation of the Stability of Rotating Detonation Engines. Combustion Science and Technology, 2014, 186, 1699-1715.	2.3	42
76	The effect of Fe <sub>2</sub> NiO <sub>4</sub> and Fe <sub>4</sub> NiO <sub>4</sub> Zn magnetic nanoparticles on anaerobic digestion activity. Science of the Total Environment, 2018, 642, 276-284.	8.0	42
77	Analytical and Numerical Investigations of Wedge-Induced Oblique Detonation Waves at Low Inflow Mach Number. Combustion Science and Technology, 2015, 187, 843-856.	2.3	41
78	Modeling of Soluble Microbial Products in Anaerobic Digestion: The Effect of Feed Strength and Composition. Water Environment Research, 2001, 73, 173-184.	2.7	40
79	Performance of a three-stage membrane bioprocess treating the Organic Fraction of Municipal Solid Waste and evolution of its archaeal and bacterial ecology. Bioresource Technology, 2010, 101, 1652-1661.	9.6	40
80	Metal Bioavailability and Trivalent Chromium Removal in ABR. Journal of Environmental Engineering, ASCE, 2000, 126, 649-656.	1.4	38
81	Effect of nutrient limitation on product formation during continuous fermentation of xylose with <i>Thermoanaerobacter ethanolicus</i> JW200 Fe(7). Applied Microbiology and Biotechnology, 2003, 60, 679-686.	3.6	38
82	Treatment of oilfield produced water by waste stabilization ponds: Biodegradation of petroleum-derived materials. Bioresource Technology, 2009, 100, 6229-6235.	9.6	38
83	The effect of sparging rate on transmembrane pressure and critical flux in an AnMBR. Journal of Environmental Management, 2015, 151, 280-285.	7.8	38
84	Modeling and Application of a Rapid Fluorescence-Based Assay for Biotoxicity in Anaerobic Digestion. Environmental Science & Technology, 2015, 49, 13463-13471.	10.0	38
85	Inorganic fouling of an anaerobic membrane bioreactor treating leachate from the organic fraction of municipal solid waste (OFMSW) and a polishing aerobic membrane bioreactor. Bioresource Technology, 2016, 204, 17-25.	9.6	38
86	Optimal biogas sparging strategy, and the correlation between sludge and fouling layer properties in a submerged anaerobic membrane bioreactor (SAnMBR). Chemical Engineering Journal, 2017, 319, 248-257.	12.7	38
87	Utilization of Coconut Milk Processing Waste as a Low-Cost Mercury Sorbent. Industrial & Engineering Chemistry Research, 2013, 52, 15648-15657.	3.7	37
88	Poly(methyl methacrylate) Surface Modification for Surfactant-Free Real-Time Toxicity Assay on Droplet Microfluidic Platform. ACS Applied Materials & Interfaces, 2017, 9, 13801-13811.	8.0	37
89	A review of posttreatment technologies for anaerobic effluents for discharge and recycling of wastewater. Critical Reviews in Environmental Science and Technology, 2018, 48, 167-209.	12.8	36
90	Identification of the production and biotransformational changes of soluble microbial products (SMP) in wastewater treatment processes: A short review. Chemosphere, 2020, 251, 126391.	8.2	36

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91	Insights into quorum quenching mechanisms to control membrane biofouling under changing organic loading rates. <i>Chemosphere</i> , 2017, 182, 40-47.	8.2	36
92	Fouling cake layer in a submerged anaerobic membrane bioreactor treating saline wastewaters: curse or a blessing?. <i>Water Science and Technology</i> , 2011, 63, 2902-2908.	2.5	35
93	Micro-particlesâ€”A Neglected but Critical Cause of Different Membrane Fouling between Aerobic and Anaerobic Membrane Bioreactors. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 16680-16690.	6.7	35
94	Novel approaches to purifying bacteriocin: A review. <i>Critical Reviews in Food Science and Nutrition</i> , 2018, 58, 2453-2465.	10.3	34
95	Autoinducer-2-mediated quorum sensing partially regulates the toxic shock response of anaerobic digestion. <i>Water Research</i> , 2019, 158, 94-105.	11.3	34
96	Effect of Sulfate Reduction on Chemical Oxygen Demand Removal in an Anaerobic Baffled Reactor. <i>Water Environment Research</i> , 2000, 72, 593-601.	2.7	33
97	Post-treatment of a submerged anaerobic membrane bioreactor (SAMBR) saline effluent using powdered activated carbon (PAC). <i>Journal of Hazardous Materials</i> , 2010, 177, 836-841.	12.4	33
98	Impact of feed carbohydrates and nitrogen source on the production of soluble microbial products (SMPs) in anaerobic digestion. <i>Water Research</i> , 2017, 122, 10-16.	11.3	33
99	N-Acyl-homoserine lactones and autoinducer-2-mediated quorum sensing during wastewater treatment. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 1119-1130.	3.6	33
100	Anaerobic digestion of starchâ€”polyvinyl alcohol biopolymer packaging: Biodegradability and environmental impact assessment. <i>Bioresource Technology</i> , 2011, 102, 11137-11146.	9.6	32
101	Determination of the Hydrolysis Constant in the Biochemical Methane Potential Test of Municipal Solid Waste. <i>Environmental Engineering Science</i> , 2012, 29, 848-854.	1.6	32
102	Enzyme immobilization on colloidal liquid aphrons (CLAs): the influence of system parameters on activity. <i>Enzyme and Microbial Technology</i> , 2000, 26, 574-581.	3.2	31
103	Effect of feed pH on reactor performance and production of soluble microbial products (SMPs) in a submerged anaerobic membrane bioreactor. <i>Chemical Engineering Journal</i> , 2017, 320, 135-143.	12.7	31
104	The Influence of Start-Up Strategies on the Performance of an Anaerobic Baffled Reactor. <i>Environmental Technology (United Kingdom)</i> , 1998, 19, 489-501.	2.2	30
105	Is it possible to develop biopolymer production systems independent of fossil fuels? Case study in energy profiling of polyhydroxybutyrate-valerate (PHBV). <i>Green Chemistry</i> , 2013, 15, 706.	9.0	30
106	Downstream protein separation by surfactant precipitation: a review. <i>Critical Reviews in Biotechnology</i> , 2018, 38, 31-46.	9.0	30
107	Immobilization of <i>Candida cylindracea</i> lipase on colloidal liquid aphrons (CLAs) and development of a continuous CLA-membrane reactor. , 2000, 51, 69-78.		29
108	Chemical Characterization of Low Molecular Weight Soluble Microbial Products in an Anaerobic Membrane Bioreactor. <i>Environmental Science &amp; Technology</i> , 2017, 51, 2254-2261.	10.0	29

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109	Separation and biosynthesis of value-added compounds from food-processing wastewater: Towards sustainable wastewater resource recovery. <i>Journal of Cleaner Production</i> , 2022, 357, 131975.	9.3	29
110	Feasibility of in situ gas stripping for continuous acetone-butanol fermentation by <i>Clostridium acetobutylicum</i> . <i>Enzyme and Microbial Technology</i> , 1993, 15, 200-207.	3.2	27
111	Lysozyme extraction from egg white using reverse micelles in a Graesser contactor: Mass transfer characterization. <i>Biotechnology and Bioengineering</i> , 2000, 69, 618-626.	3.3	27
112	Development of a membrane-aerated biofilm reactor to completely mineralise perchloroethylene in wastewaters. <i>Journal of Chemical Technology and Biotechnology</i> , 2006, 81, 1736-1744.	3.2	27
113	Chromatographic characterization of dissolved organics in effluents from two anaerobic reactors treating synthetic wastewater. <i>Water Science and Technology</i> , 2006, 54, 193-198.	2.5	27
114	BIOMASS ACCLIMATISATION AND ADAPTATION DURING START-UP OF A SUBMERGED ANAEROBIC MEMBRANE BIOREACTOR (SAMBR). <i>Environmental Technology (United Kingdom)</i> , 2008, 29, 1053-1065.	2.2	27
115	Parameters affecting the stability of the digestate from a two-stage anaerobic process treating the organic fraction of municipal solid waste. <i>Waste Management</i> , 2011, 31, 1480-1487.	7.4	27
116	Global Profiling of Metabolite and Lipid Soluble Microbial Products in Anaerobic Wastewater Reactor Supernatant Using UPLC-MS/MS. <i>Journal of Proteome Research</i> , 2017, 16, 559-570.	3.7	27
117	Nitrogen removal in a modified anaerobic baffled reactor (ABR): 2, nitrification. <i>Water Research</i> , 2000, 34, 2423-2432.	11.3	26
118	Anaerobic digestion of the organic fraction of municipal solid waste in a two-stage membrane process. <i>Water Science and Technology</i> , 2009, 60, 1965-1978.	2.5	26
119	Effect of sparging rate on permeate quality in a submerged anaerobic membrane bioreactor (SAMBR) treating leachate from the organic fraction of municipal solid waste (OFMSW). <i>Journal of Environmental Management</i> , 2016, 168, 67-73.	7.8	26
120	Effect of fermentation broth and biosurfactants on mass transfer during liquid-liquid extraction. <i>Biotechnology and Bioengineering</i> , 2004, 85, 155-165.	3.3	25
121	Identification of soluble microbial products (SMPs) from the fermentation and methanogenic phases of anaerobic digestion. <i>Science of the Total Environment</i> , 2020, 698, 134177.	8.0	25
122	Extraction of erythromycin-A using colloidal liquid aphrons: I. Equilibrium partitioning. <i>Journal of Chemical Technology and Biotechnology</i> , 2000, 75, 339-347.	3.2	24
123	Biofilms, bubbles and boundary layers – A new approach to understanding cellulolysis in anaerobic and ruminant digestion. <i>Water Research</i> , 2016, 104, 93-100.	11.3	23
124	Relative Importance of Trophic Group Concentrations during Anaerobic Degradation of Volatile Fatty Acids. <i>Applied and Environmental Microbiology</i> , 1999, 65, 5009-5016.	3.1	23
125	Extraction of erythromycin-A using colloidal liquid aphrons: Part II. Mass transfer kinetics. <i>Chemical Engineering Science</i> , 2001, 56, 97-108.	3.8	22
126	In-situ power generation and nutrients recovery from waste activated sludge – Long-term performance and system optimization. <i>Chemical Engineering Journal</i> , 2019, 361, 1207-1214.	12.7	22



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127	Stability enhancement of anaerobic digestion through membrane gas extraction under organic shock loads. <i>Journal of Chemical Technology and Biotechnology</i> , 1998, 73, 153-161.	3.2	21
128	Coextraction during reactive extraction of phenylalanine using Aliquat 336: Modeling extraction equilibrium. <i>Biotechnology and Bioengineering</i> , 2003, 82, 533-542.	3.3	20
129	Post-treatment of anaerobic membrane bioreactor (AnMBR) effluent using activated carbon. <i>Bioresource Technology</i> , 2018, 266, 75-81.	9.6	20
130	Post-treatment of the permeate of a submerged anaerobic membrane bioreactor (SAMBR) treating landfill leachate. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2011, 46, 1539-1548.	1.7	19
131	<sc>MS</sc> and <sc>T4</sc> phage removal in an anaerobic membrane bioreactor (<sc>AnMBR</sc>): effect of gas sparging rate. <i>Journal of Chemical Technology and Biotechnology</i> , 2015, 90, 384-390.	3.2	19
132	Rapid fluorescence-based measurement of toxicity in anaerobic digestion. <i>Water Research</i> , 2015, 75, 123-130.	11.3	19
133	Alkene Monooxygenase-Catalyzed Whole Cell Epoxidation in a Two-Liquid Phase System. <i>Enzyme and Microbial Technology</i> , 1998, 22, 471-479.	3.2	18
134	Terpene ester production in a solvent phase using a reverse micelle-encapsulated lipase. <i>Enzyme and Microbial Technology</i> , 1998, 23, 253-260.	3.2	18
135	The solubilisation of mycobacterium in a water in oil microemulsion for biotransformations: system selection and characterisation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2000, 166, 177-186.	4.7	18
136	A membrane bioreactor for the biotransformation of $\pm$ -pinene oxide to isonovalal by <i>Pseudomonas fluorescens</i> NCIMB 11671. <i>Applied Microbiology and Biotechnology</i> , 2006, 69, 643-649.	3.6	18
137	Optimisation Of The Kinetics Of The Stereoselective Reduction Of Geraniol To Citronellol In A Two Liquid Phase System. <i>Biocatalysis and Biotransformation</i> , 1998, 16, 27-44.	2.0	17
138	Epoxidation of 1,7-octadiene by <i>Pseudomonas oleovorans</i> in a membrane bioreactor. , 1999, 63, 601-611.		17
139	Chiral epoxide production using mycobacterium solubilized in a water-in-oil microemulsion. <i>Enzyme and Microbial Technology</i> , 2000, 27, 134-142.	3.2	17
140	The effect of demulsifiers on lysozyme extraction from hen egg white using reverse micelles. <i>Bioseparation</i> , 2000, 9, 81-91.	0.7	17
141	Controlling a toxic shock of pentachlorophenol (PCP) to anaerobic digestion using activated carbon addition. <i>Bioresource Technology</i> , 2015, 181, 303-311.	9.6	17
142	Contribution of acetic acid to the hydrolysis of lignocellulosic biomass under abiotic conditions. <i>Bioresource Technology</i> , 2015, 185, 441-444.	9.6	17
143	Iron deficiency and bioavailability in anaerobic batch and submerged membrane bioreactors (SAMBR) during organic shock loads. <i>Bioresource Technology</i> , 2016, 211, 136-145.	9.6	17
144	Prediction of Surface Roughness and Optimization of Cutting Parameters of Stainless Steel Turning Based on RSM. <i>Mathematical Problems in Engineering</i> , 2018, 2018, 1-15.	1.1	17

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145	The influence of H <sub>2</sub> , CO <sub>2</sub> and dilution rate on the continuous fermentation of acetone-butanol. <i>Applied Microbiology and Biotechnology</i> , 1992, 37, 533.	3.6	16
146	Salinity effects on biodegradation of Reactive Black 5 for one stage and two stages sequential anaerobic aerobic biological processes employing different anaerobic sludge. <i>International Biodeterioration and Biodegradation</i> , 2014, 95, 294-300.	3.9	16
147	Composition and biotransformational changes in soluble microbial products (SMPs) along an anaerobic baffled reactor (ABR). <i>Chemosphere</i> , 2020, 254, 126775.	8.2	16
148	The influence of system parameters on the stability of colloidal liquid aphrons. <i>Journal of Chemical Technology and Biotechnology</i> , 1999, 74, 409-416.	3.2	15
149	The reactive extraction of phenylalanine with aliquat 336: Buffer co-extraction equilibrium and mass transfer kinetics. <i>Biotechnology and Bioengineering</i> , 2000, 69, 469-477.	3.3	15
150	The Influence of Metal Ion Addition on the Anaerobic Treatment of High Strength, Soluble Wastewaters. <i>Environmental Technology (United Kingdom)</i> , 2000, 21, 1283-1292.	2.2	15
151	Biodegradation of PCE in a Hybrid Membrane Aerated Biofilm Reactor. <i>Journal of Environmental Engineering, ASCE</i> , 2007, 133, 20-27.	1.4	14
152	Maximizing the production of acetone-butanol in an alginate bead fluidized bed reactor using <i>Clostridium acetobutylicum</i> . <i>Journal of Chemical Technology and Biotechnology</i> , 1993, 56, 83-89.	3.2	14
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