

Marcelo Zaiat

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

292
papers

6,589
citations

44
h-index

64
g-index

304
ext. papers

7,708
ext. citations

5.5
avg, IF

6.36
L-index

#	Paper	IF	Citations
292	Modeling dark fermentation of cheese whey for H ₂ and n-butyrate production considering the chain elongation perspective. <i>Bioresource Technology Reports</i> , 2022 , 17, 100940	4.1	0
291	Can different inoculum sources influence the biodegradation of sulfamethoxazole antibiotic during anaerobic digestion?. <i>Brazilian Journal of Chemical Engineering</i> , 2022 , 39, 35	1.7	0
290	Fundamentals of Biofuel Production Using Anaerobic Digestion: Metabolic Pathways and Factors Affecting the Process. <i>Applied Environmental Science and Engineering for A Sustainable Future</i> , 2022 , 3-21 ^{0.5}		
289	New biotransformation pathways from sulfamethoxazole and ciprofloxacin removal in sewage treatment along the spatial profile of an anaerobic fixed bed bioreactor. <i>Bioresource Technology Reports</i> , 2022 , 17, 100944	4.1	0
288	Hydrogen and organic acid production from dark fermentation of cheese whey without buffers under mesophilic condition.. <i>Journal of Environmental Management</i> , 2022 , 304, 114253	7.9	0
287	Can biogas-producing sugarcane biorefineries techno-economically outperform conventional ethanol production? Deciphering the way towards maximum profitability. <i>Energy Conversion and Management</i> , 2022 , 254, 115206	10.6	0
286	Phase separation enhances bioenergy recovery in sugarcane vinasse biodigestion: Absolute or relative truth?. <i>Bioresource Technology Reports</i> , 2022 , 18, 101026	4.1	0
285	Development of a low-cost electrochemical sensor for monitoring components in wastewater treatment processes.. <i>Environmental Technology (United Kingdom)</i> , 2022 , 1-14	2.6	
284	Two-phase (acidogenic-methanogenic) anaerobic fixed bed biofilm reactor enhances the biological domestic sewage treatment: Perspectives for recovering bioenergy and value-added by-products. <i>Journal of Environmental Management</i> , 2022 , 317, 115388	7.9	0
283	Tetrabromobisphenol A (TBBPA) biodegradation in acidogenic systems: One step further on where and who. <i>Science of the Total Environment</i> , 2021 , 808, 152016	10.2	0
282	Sugarcane vinasse extreme thermophilic digestion: a glimpse on biogas free management. <i>Bioprocess and Biosystems Engineering</i> , 2021 , 44, 1405-1421	3.7	0
281	Ecotoxicity and Antimicrobial Inhibition Assessment of Effluent from an Anaerobic Bioreactor Applied to the Removal of Sulfamethoxazole and Ciprofloxacin Antibiotics from Domestic Sewage. <i>Water, Air, and Soil Pollution</i> , 2021 , 232, 1	2.6	4
280	Anaerobic digestion of hydrothermal liquefaction wastewater from spent coffee grounds. <i>Biomass and Bioenergy</i> , 2021 , 148, 106030	5.3	2
279	Perfluorooctane sulfonic acid (PFOS) degradation by optimized heterogeneous photocatalysis (TiO ₂ /UV) using the response surface methodology (RSM). <i>Journal of Water Process Engineering</i> , 2021 , 41, 101986	6.7	4
278	Full details on continuous biohydrogen production from sugarcane molasses are unraveled: Performance optimization, self-regulation, metabolic correlations and quanti-qualitative biomass characterization. <i>Chemical Engineering Journal</i> , 2021 , 414, 128934	14.7	7
277	What drives Tetrabromobisphenol A degradation in biotreatment systems?. <i>Reviews in Environmental Science and Biotechnology</i> , 2021 , 20, 729-750	13.9	2
276	Thermophilic biodigestion of fermented sugarcane molasses in high-rate structured-bed reactors: Alkalinization strategies define the operating limits. <i>Energy Conversion and Management</i> , 2021 , 239, 114203	10.6	4

275	Value-added soluble metabolite production from sugarcane vinasse within the carboxylate platform: An application of the anaerobic biorefinery beyond biogas production. <i>Fuel</i> , 2021 , 286, 119378 ^{7.1}	7
274	Enhancing the gas-liquid mass transfer during microbial electrosynthesis by the variation of CO ₂ flow rate. <i>Process Biochemistry</i> , 2021 , 101, 50-58	4.8 11
273	Performance of EGSB reactor using natural zeolite as support for treatment of synthetic swine wastewater. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 104922	6.8 1
272	Stimulation and inhibition of direct interspecies electron transfer mechanisms within methanogenic reactors by adding magnetite and granular activated carbon. <i>Chemical Engineering Journal</i> , 2021 , 415, 128882	14.7 9
271	Counting <i>Enchytraeus crypticus</i> Juveniles in Chronic Exposures: An Alternative Method for Ecotoxicity Studies Using Tropical Artificial Soil. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2021 , 107, 494-499	2.7 0
270	Reactor start-up strategy as key for high and stable hydrogen production from cheese whey thermophilic dark fermentation. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 27364-27379	6.7 12
269	Biohydrogen-producing from bottom to top? Quali-quantitative characterization of thermophilic fermentative consortia reveals microbial roles in an upflow fixed-film reactor. <i>Chemical Engineering Journal Advances</i> , 2021 , 7, 100125	3.6 0
268	Evaluation of the influence of trace metals on methane production from domestic sewage, using the Plackett-Burman experimental design. <i>Journal of Environmental Management</i> , 2021 , 294, 113002	7.9 2
267	Diversifying the portfolio of sugarcane biorefineries: Anaerobic digestion as the core process for enhanced resource recovery. <i>Renewable and Sustainable Energy Reviews</i> , 2021 , 147, 111246	16.2 3
266	Dynamics of sulfate reduction in the thermophilic dark fermentation of sugarcane vinasse: A biohydrogen-independent approach targeting enhanced bioenergy production. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 105956	6.8 1
265	<i>Chlamydomonas</i> strains respond differently to photoproduction of hydrogen and by-products and nutrient uptake in sulfur-deprived cultures. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 105930	6.8 2
264	Tetrabromobisphenol A (TBBPA) anaerobic biodegradation occurs during acidogenesis. <i>Chemosphere</i> , 2021 , 282, 130995	8.4 2
263	Sulfidogenesis establishment under increasing metal and nutrient concentrations: An effective approach for biotreating sulfate-rich wastewaters using an innovative structured-bed reactor (AnSTBR). <i>Bioresource Technology Reports</i> , 2020 , 11, 100458	4.1 4
262	Tandem anaerobic-aerobic degradation of ranitidine, diclofenac, and simvastatin in domestic sewage. <i>Science of the Total Environment</i> , 2020 , 721, 137589	10.2 6
261	Biogas sequestration from the headspace of a fermentative system enhances hydrogen production rate and yield. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 11011-11023	6.7 9
260	Modelling sugarcane vinasse processing in an acidogenic reactor to produce hydrogen with an ADM1-based model. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 6217-6230	6.7 6
259	Towards the Production of mcl-PHA with Enriched Dominant Monomer Content: Process Development for the Sugarcane Biorefinery Context. <i>Journal of Polymers and the Environment</i> , 2020 , 28, 844-853	4.5 13
258	Acidogenesis is a key step in the anaerobic biotransformation of organic micropollutants. <i>Journal of Hazardous Materials</i> , 2020 , 389, 121888	12.8 25

257	Standardized protocol for determination of biohydrogen potential. <i>MethodsX</i> , 2020 , 7, 100754	1.9	4
256	Stability problems in the hydrogen production by dark fermentation: Possible causes and solutions. <i>Renewable and Sustainable Energy Reviews</i> , 2020 , 119, 109602	16.2	58
255	Modeling anaerobic digestion metabolic pathways for antibiotic-contaminated wastewater treatment. <i>Biodegradation</i> , 2020 , 31, 341-368	4.1	3
254	Influence of culture age, ammonium and organic carbon in hydrogen production and nutrient removal by <i>Anabaena</i> sp. in nitrogen-limited cultures. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 30222-30231	6.7	2
253	Application of Dispersive Liquid-Liquid Microextraction Followed by High-Performance Liquid Chromatography/Tandem Mass Spectrometry Analysis to Determine Tetrabromobisphenol A in Complex Matrices. <i>Environmental Toxicology and Chemistry</i> , 2020 , 39, 2147-2157	3.8	5
252	Molasses vs. juice: Maximizing biohydrogen production in sugarcane biorefineries to diversify renewable energy generation. <i>Journal of Water Process Engineering</i> , 2020 , 37, 101534	6.7	11
251	Comparison between two different fixed-bed reactor configurations for nitrogen removal coupled to biogas biodesulfurization. <i>Biochemical Engineering Journal</i> , 2020 , 162, 107716	4.2	2
250	Influence of organic loading rate on ciprofloxacin and sulfamethoxazole biodegradation in anaerobic fixed bed biofilm reactors. <i>Journal of Environmental Management</i> , 2020 , 273, 111170	7.9	20
249	Acidic and thermal pre-treatments for anaerobic digestion inoculum to improve hydrogen and volatile fatty acid production using xylose as the substrate. <i>Renewable Energy</i> , 2020 , 145, 1388-1398	8.1	25
248	The contribution of selected organic substrates to the anaerobic cometabolism of sulfamethazine. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2019 , 54, 263-270	2.2	7
247	Does sugarcane vinasse composition variability affect the bioenergy yield in anaerobic systems? A dual kinetic-energetic assessment. <i>Journal of Cleaner Production</i> , 2019 , 240, 118005	10.3	14
246	Influence of linear alkylbenzene sulfonate and ethanol on the degradation kinetics of domestic sewage in co-digestion with commercial laundry wastewater. <i>Bioprocess and Biosystems Engineering</i> , 2019 , 42, 1547-1558	3.7	4
245	Effects of the Organic Loading Rate on Polyhydroxyalkanoate Production from Sugarcane Stillage by Mixed Microbial Cultures. <i>Applied Biochemistry and Biotechnology</i> , 2019 , 189, 1039-1055	3.2	10
244	Feasibility of anaerobic packed and structured-bed reactors for sulfamethoxazole and ciprofloxacin removal from domestic sewage. <i>Science of the Total Environment</i> , 2019 , 678, 419-429	10.2	21
243	Rapid and easy quantification of elemental sulphur in aqueous samples from biological reactors: the turbidimetric method revisited. <i>International Journal of Environmental Analytical Chemistry</i> , 2019 , 99, 809-823	1.8	1
242	Novel insights on the versatility of biohydrogen production from sugarcane vinasse via thermophilic dark fermentation: Impacts of pH-driven operating strategies on acidogenesis metabolite profiles. <i>Bioresource Technology</i> , 2019 , 286, 121379	11	40
241	Dark fermentative biohydrogen production from synthetic cheese whey in an anaerobic structured-bed reactor: Performance evaluation and kinetic modeling. <i>Renewable Energy</i> , 2019 , 139, 1310-1319	8.1	29
240	Extreme thermophilic condition: An alternative for long-term biohydrogen production from sugarcane vinasse. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 22876-22887	6.7	18

239	Genome-wide sequencing and metabolic annotation of <i>Pythium irregulare</i> CBS 494.86: understanding Eicosapentaenoic acid production. <i>BMC Biotechnology</i> , 2019 , 19, 41	3.5	4
238	Evaluation of pretreatment methods and initial pH on mixed inoculum for fermentative hydrogen production from cassava wastewater. <i>Biofuels</i> , 2019 , 1-8	2	9
237	A standardized biohydrogen potential protocol: An international round robin test approach. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 26237-26247	6.7	11
236	Dataset of anaerobic acidogenic digestion for hydrogen production using xylose as substrate: Biogas production and metagenomic data. <i>Data in Brief</i> , 2019 , 26, 104466	1.2	2
235	Effects of effluent acidification on filtration characteristics in sidestream AnMBRs. <i>Bioresource Technology Reports</i> , 2019 , 8, 100346	4.1	3
234	Removal kinetics of sulfamethazine and its transformation products formed during treatment using a horizontal flow-anaerobic immobilized biomass bioreactor. <i>Journal of Hazardous Materials</i> , 2019 , 365, 34-43	12.8	11
233	Calibration of ADM1 using the Monte Carlo Markov Chain for modeling of anaerobic biodigestion of sugarcane vinasse in an AnSBBR. <i>Chemical Engineering Research and Design</i> , 2019 , 141, 425-435	5.5	3
232	A membrane aerated biofilm reactor for sulfide control from anaerobically treated wastewater. <i>Environmental Technology (United Kingdom)</i> , 2019 , 40, 2354-2363	2.6	7
231	Evaluation of sulfamethazine removal kinetics using fixed structured bed bioreactor. <i>Environmental Technology (United Kingdom)</i> , 2019 , 40, 979-987	2.6	2
230	Development of a mathematical model for the anaerobic digestion of antibiotic-contaminated wastewater. <i>Chemical Engineering Research and Design</i> , 2018 , 134, 319-335	5.5	6
229	Wastewater post-treatment for simultaneous ammonium removal and elemental sulfur recovery using a novel horizontal mixed aerobic-anoxic fixed-bed reactor configuration. <i>Journal of Environmental Management</i> , 2018 , 215, 358-365	7.9	8
228	Seasonal characterization of sugarcane vinasse: Assessing environmental impacts from fertirrigation and the bioenergy recovery potential through biodigestion. <i>Science of the Total Environment</i> , 2018 , 634, 29-40	10.2	56
227	Anaerobic phototrophic processes of hydrogen production by different strains of microalgae <i>Chlamydomonas</i> sp. <i>FEMS Microbiology Letters</i> , 2018 , 365,	2.9	16
226	Bioavailability and dosing strategies of mineral in anaerobic mono-digestion of maize straw. <i>Engineering in Life Sciences</i> , 2018 , 18, 562-569	3.4	6
225	Optimization of biomass and hydrogen production by <i>Anabaena</i> sp. (UTEX 1448) in nitrogen-deprived cultures. <i>Biomass and Bioenergy</i> , 2018 , 111, 70-76	5.3	23
224	Diversifying the technological strategies for recovering bioenergy from the two-phase anaerobic digestion of sugarcane vinasse: An integrated techno-economic and environmental approach. <i>Renewable Energy</i> , 2018 , 122, 674-687	8.1	45
223	Screening of trace metal supplementation for black water anaerobic digestion. <i>Environmental Technology (United Kingdom)</i> , 2018 , 39, 1776-1785	2.6	5
222	Performance and stability of an expanded granular sludge bed reactor modified with zeolite addition subjected to step increases of organic loading rate (OLR) and to organic shock load (OSL). <i>Water Science and Technology</i> , 2018 , 77, 39-50	2.2	7

221	Temporal dynamics and metabolic correlation between lactate-producing and hydrogen-producing bacteria in sugarcane vinasse dark fermentation: The key role of lactate. <i>Bioresource Technology</i> , 2018 , 247, 426-433	11	53
220	Effect of the electric supply interruption on a microbial electrosynthesis system converting inorganic carbon into acetate. <i>Bioresource Technology</i> , 2018 , 266, 203-210	11	69
219	Optimization of the performance of a microbial fuel cell using the ratio electrode-surface area / anode-compartment volume. <i>Brazilian Journal of Chemical Engineering</i> , 2018 , 35, 141-146	1.7	21
218	Fate of Enrofloxacin in Lake Sediment: Biodegradation, Transformation Product Identification, and Ecotoxicological Implications. <i>Soil and Sediment Contamination</i> , 2018 , 27, 357-368	3.2	3
217	Biohydrogen production at pH below 3.0: Is it possible?. <i>Water Research</i> , 2018 , 128, 350-361	12.5	37
216	Economics of anaerobic digestion for processing sugarcane vinasse: Applying sensitivity analysis to increase process profitability in diversified biogas applications. <i>Chemical Engineering Research and Design</i> , 2018 , 115, 27-37	5.5	36
215	Feasibility of biohydrogen production by co-digestion of vinasse (sugarcane stillage) and molasses in an AnSBBR. <i>Brazilian Journal of Chemical Engineering</i> , 2018 , 35, 27-41	1.7	9
214	HYDRODYNAMIC CHARACTERISTICS OF A STRUCTURED BED REACTOR SUBJECTED TO RECIRCULATION AND INTERMITTENT AERATION (SBRRIA). <i>Brazilian Journal of Chemical Engineering</i> , 2018 , 35, 641-648	1.7	3
213	Two- vs. single-stage anaerobic reactors: evaluation of effluent quality and energy production potential using sucrose-based wastewater. <i>Water Science and Technology</i> , 2018 , 78, 1966-1979	2.2	10
212	Microbial electrosynthesis (MES) from CO ₂ is resilient to fluctuations in renewable energy supply. <i>Energy Conversion and Management</i> , 2018 , 177, 272-279	10.6	85
211	Biomass growth and its mobility in an AnSBBR treating landfill leachate. <i>Waste Management</i> , 2018 , 82, 37-50	8.6	5
210	Effects of the support material addition on the hydrodynamic behavior of an anaerobic expanded granular sludge bed reactor. <i>Journal of Environmental Sciences</i> , 2017 , 54, 224-230	6.4	9
209	Designing full-scale biodigestion plants for the treatment of vinasse in sugarcane biorefineries: How phase separation and alkalization impact biogas and electricity production costs?. <i>Chemical Engineering Research and Design</i> , 2017 , 119, 209-220	5.5	47
208	Unraveling the influence of the COD/sulfate ratio on organic matter removal and methane production from the biodigestion of sugarcane vinasse. <i>Bioresource Technology</i> , 2017 , 232, 103-112	11	55
207	Metal fractionation in sludge from sewage UASB treatment. <i>Journal of Environmental Management</i> , 2017 , 193, 98-107	7.9	22
206	High value added lipids produced by microorganisms: a potential use of sugarcane vinasse. <i>Critical Reviews in Biotechnology</i> , 2017 , 37, 1048-1061	9.4	11
205	Anaerobic Digestion of Sugarcane Vinasse Through a Methanogenic UASB Reactor Followed by a Packed Bed Reactor. <i>Applied Biochemistry and Biotechnology</i> , 2017 , 183, 1127-1145	3.2	21
204	CFD Simulations of Fluid Dynamics Inside a Fixed-Bed Bioreactor for Sugarcane Vinasse Treatment. <i>Lecture Notes in Civil Engineering</i> , 2017 , 684-690	0.3	

203	Design study of an AnSBBR for hydrogen production by co-digestion of whey with glycerin: Interaction effects of organic load, cycle time and feed strategy. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 9567-9576	6.7	6
202	Calcium dosing for the simultaneous control of biomass retention and the enhancement of fermentative biohydrogen production in an innovative fixed-film bioreactor. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 12181-12196	6.7	13
201	Thermophilic two-phase anaerobic digestion using an innovative fixed-bed reactor for enhanced organic matter removal and bioenergy recovery from sugarcane vinasse. <i>Applied Energy</i> , 2017 , 189, 480-491	10.7	109
200	Reduction in greenhouse gas emissions from vinasse through anaerobic digestion. <i>Applied Energy</i> , 2017 , 189, 21-30	10.7	41
199	Biohydrogen production by co-digesting whey and glycerin in an AnSBBR: Performance optimization, metabolic pathway kinetic modeling and phylogenetic characterization. <i>Biochemical Engineering Journal</i> , 2017 , 128, 93-105	4.2	11
198	Removal of the veterinary antimicrobial sulfamethazine in a horizontal-flow anaerobic immobilized biomass (HAIB) reactor subjected to step changes in the applied organic loading rate. <i>Journal of Environmental Management</i> , 2017 , 204, 674-683	7.9	18
197	AnSBBR applied to biomethane production for vinasse treatment: effects of organic loading, feed strategy and temperature. <i>Brazilian Journal of Chemical Engineering</i> , 2017 , 34, 759-773	1.7	11
196	New operational mode of an electrochemical reactor and its application to the degradation of levofloxacin. <i>Journal of Environmental Chemical Engineering</i> , 2017 , 5, 4441-4446	6.8	17
195	Data of added-value lipid production, Arachidonic acid, among other lipids by , using low cost simulated wastewater. <i>Data in Brief</i> , 2017 , 14, 255-259	1.2	4
194	On the Effects of Ferricyanide as Cathodic Mediator on the Performance of Microbial Fuel Cells. <i>Electrocatalysis</i> , 2017 , 8, 59-66	2.7	20
193	Influence of carbon electrode material on energy recovery from winery wastewater using a dual-chamber microbial fuel cell. <i>Environmental Technology (United Kingdom)</i> , 2017 , 38, 1333-1341	2.6	28
192	Sulfamethoxazole and ciprofloxacin removal using a horizontal-flow anaerobic immobilized biomass reactor. <i>Environmental Technology (United Kingdom)</i> , 2016 , 37, 847-53	2.6	14
191	Optimization, metabolic pathways modeling and scale-up estimative of an AnSBBR applied to biohydrogen production by co-digestion of vinasse and molasses. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 20473-20484	6.7	30
190	Kinetics of thermophilic acidogenesis of typical Brazilian sugarcane vinasse. <i>Energy</i> , 2016 , 116, 1097-1103	7.9	14
189	Co-digestion of Whey with Glycerin in an AnSBBR for Biomethane Production. <i>Applied Biochemistry and Biotechnology</i> , 2016 , 178, 126-43	3.2	24
188	A novel anaerobic down-flow structured-bed reactor for long-term stable H ₂ energy production from wastewater. <i>Journal of Chemical Technology and Biotechnology</i> , 2016 , 91, 1551-1561	3.5	21
187	Thermophilic biohydrogen production using a UASB reactor: performance during long-term operation. <i>Journal of Chemical Technology and Biotechnology</i> , 2016 , 91, 967-976	3.5	15
186	Optimization performance of an AnSBBR applied to biohydrogen production treating whey. <i>Journal of Environmental Management</i> , 2016 , 169, 191-201	7.9	19

185	Use of VSB to Plan Research Programs and Public Policies. <i>Green Energy and Technology</i> , 2016 , 257-282	0.6	3
184	Improvement of hydrogen production via ethanol-type fermentation in an anaerobic down-flow structured bed reactor. <i>Bioresource Technology</i> , 2016 , 202, 42-9	11	44
183	Sulfide-oxidizing bacteria establishment in an innovative microaerobic reactor with an internal silicone membrane for sulfur recovery from wastewater. <i>Biodegradation</i> , 2016 , 27, 119-30	4.1	9
182	Bacteriocins of lactic acid bacteria as a hindering factor for biohydrogen production from cassava flour wastewater in a continuous multiple tube reactor. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 8120-8131	6.7	43
181	Microbial communities from 20 different hydrogen-producing reactors studied by 454 pyrosequencing. <i>Applied Microbiology and Biotechnology</i> , 2016 , 100, 3371-84	5.7	56
180	Evaluation of sulfamethazine sorption and biodegradation by anaerobic granular sludge using batch experiments. <i>Bioprocess and Biosystems Engineering</i> , 2016 , 39, 115-24	3.7	32
179	Thermophilic anaerobic digestion of raw sugarcane vinasse. <i>Renewable Energy</i> , 2016 , 89, 245-252	8.1	101
178	Sulfur Recovery from Wastewater Using a Micro-aerobic External Silicone Membrane Reactor (ESMR). <i>Water, Air, and Soil Pollution</i> , 2016 , 227, 1	2.6	13
177	Effect of Natural Mineral on Methane Production and Process Stability During Semi-Continuous Mono-Digestion of Maize Straw. <i>Applied Biochemistry and Biotechnology</i> , 2016 , 178, 1522-33	3.2	4
176	Operational strategies for long-term biohydrogen production from sugarcane stillage in a continuous acidogenic packed-bed reactor. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 8132-8145	6.7	53
175	Anaerobic Biological Treatment of Vinasse for Environmental Compliance and Methane Production. <i>Applied Biochemistry and Biotechnology</i> , 2016 , 178, 21-43	3.2	24
174	COMBINED TREATMENT OF VINASSE BY AN UPFLOW ANAEROBIC FILTER-REACTOR AND OZONATION PROCESS. <i>Brazilian Journal of Chemical Engineering</i> , 2016 , 33, 753-762	1.7	14
173	EVALUATION OF AN INNOVATIVE ANAEROBIC BIOREACTOR WITH FIXED-STRUCTURED BED (ABFSB) FOR BREWERY WASTEWATER TREATMENT. <i>Brazilian Journal of Chemical Engineering</i> , 2016 , 33, 733-741	1.7	1
172	Energy recovery from winery wastewater using a dual chamber microbial fuel cell. <i>Journal of Chemical Technology and Biotechnology</i> , 2016 , 91, 1802-1808	3.5	33
171	Application of horizontal-flow anaerobic immobilized biomass reactor for bioremediation of acid mine drainage. <i>Journal of Water and Health</i> , 2016 , 14, 399-410	2.2	11
170	Hydrodynamic study of a horizontal-flow anaerobic immobilized biomass reactor: Radial porosity and velocity distribution of wastewater flow. <i>Chemical Engineering Research and Design</i> , 2016 , 109, 421-429	5.5	1
169	Influence of sludge age on the performance of MFC treating winery wastewater. <i>Chemosphere</i> , 2016 , 151, 163-70	8.4	33
168	High organic loading rate on thermophilic hydrogen production and metagenomic study at an anaerobic packed-bed reactor treating a residual liquid stream of a Brazilian biorefinery. <i>Bioresource Technology</i> , 2015 , 186, 81-88	11	63

167	Mesophilic hydrogen production in acidogenic packed-bed reactors (APBR) using raw sugarcane vinasse as substrate: Influence of support materials. <i>Anaerobe</i> , 2015 , 34, 94-105	2.8	57
166	The influence of the buffering capacity on the production of organic acids and alcohols from wastewater in anaerobic reactor. <i>Applied Biochemistry and Biotechnology</i> , 2015 , 175, 2258-65	3.2	7
165	The effect of organic load and feed strategy on biohydrogen production in an AnSBBR treating glycerin-based wastewater. <i>Journal of Environmental Management</i> , 2015 , 154, 128-37	7.9	21
164	Biogas production within the bioethanol production chain: Use of co-substrates for anaerobic digestion of sugar beet vinasse. <i>Bioresource Technology</i> , 2015 , 190, 227-34	11	49
163	The application of an innovative continuous multiple tube reactor as a strategy to control the specific organic loading rate for biohydrogen production by dark fermentation. <i>Bioresource Technology</i> , 2015 , 197, 201-7	11	26
162	Rapid determination of 12 antibiotics and caffeine in sewage and bioreactor effluent by online column-switching liquid chromatography/tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2015 , 407, 8787-801	4.4	27
161	The use of the carbon/nitrogen ratio and specific organic loading rate as tools for improving biohydrogen production in fixed-bed reactors. <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , 2015 , 5, 46-54	5.3	78
160	Energy recovery from agro-industrial wastewaters through biohydrogen production: Kinetic evaluation and technological feasibility. <i>Renewable Energy</i> , 2015 , 75, 496-504	8.1	27
159	THE "CHEMICAL OXYGEN DEMAND / TOTAL VOLATILE ACIDS" RATIO AS AN ANAEROBIC TREATABILITY INDICATOR FOR LANDFILL LEACHATES. <i>Brazilian Journal of Chemical Engineering</i> , 2015 , 32, 73-86	1.7	8
158	BIOHYDROGEN FROM CHEESE WHEY TREATMENT IN AN AnSBBR: ACHIEVING PROCESS STABILITY. <i>Brazilian Journal of Chemical Engineering</i> , 2015 , 32, 397-408	1.7	14
157	Influence of Organic Load on Biohydrogen Production in an AnSBBR Treating Glucose-Based Wastewater. <i>Applied Biochemistry and Biotechnology</i> , 2015 , 176, 796-816	3.2	2
156	Biohydrogen production in an AnSBBR treating glycerin-based wastewater: effects of organic loading, influent concentration, and cycle time. <i>Applied Biochemistry and Biotechnology</i> , 2015 , 175, 1892-914	3.2	16
155	Anaerobic digestion of vinasse from sugarcane ethanol production in Brazil: Challenges and perspectives. <i>Renewable and Sustainable Energy Reviews</i> , 2015 , 44, 888-903	16.2	237
154	Anaerobic digestion of vinasse from sugarcane biorefineries in Brazil from energy, environmental, and economic perspectives: Profit or expense?. <i>Applied Energy</i> , 2014 , 113, 825-835	10.7	179
153	First-order kinetics of landfill leachate treatment in a pilot-scale anaerobic sequence batch biofilm reactor. <i>Journal of Environmental Management</i> , 2014 , 145, 385-93	7.9	23
152	Effect of organic loading rate on hydrogen production from sugarcane vinasse in thermophilic acidogenic packed bed reactors. <i>International Journal of Hydrogen Energy</i> , 2014 , 39, 16852-16862	6.7	87
151	Impact of organic loading rate on biohydrogen production in an up-flow anaerobic packed bed reactor (UAnPBR). <i>Bioresource Technology</i> , 2014 , 164, 371-9	11	34
150	AnSBBR with circulation applied to biohydrogen production treating sucrose based wastewater: effects of organic loading, influent concentration and cycle length. <i>Brazilian Journal of Chemical Engineering</i> , 2014 , 31, 659-674	1.7	3

149	Effect of organic loading rate and fill time on the biohydrogen production in a mechanically stirred AnSBBR treating synthetic sucrose-based wastewater. <i>Applied Biochemistry and Biotechnology</i> , 2014 , 174, 2326-49	3.2	5
148	Biomethane production in an AnSBBR treating wastewater from biohydrogen process. <i>Applied Biochemistry and Biotechnology</i> , 2014 , 174, 1873-96	3.2	7
147	Innovative anaerobic bioreactor with fixed-structured bed (ABFSB) for simultaneous sulfate reduction and organic matter removal. <i>Journal of Chemical Technology and Biotechnology</i> , 2014 , 89, 1044-1050	2.5	51
146	Continuous anaerobic bioreactor with a fixed-structure bed (ABFSB) for wastewater treatment with low solids and low applied organic loading content. <i>Bioprocess and Biosystems Engineering</i> , 2014 , 37, 1361-8	3.7	33
145	Anaerobic treatment of industrial biodiesel wastewater by an ASBR for methane production. <i>Applied Biochemistry and Biotechnology</i> , 2013 , 170, 105-18	3.2	14
144	The effect of biomass immobilization support material and bed porosity on hydrogen production in an upflow anaerobic packed-bed bioreactor. <i>Applied Biochemistry and Biotechnology</i> , 2013 , 170, 1348-66	3.2	35
143	Anaerobic Degradation of Protein: Simplified Kinetic Modelling and Microbial Dynamics. <i>Water, Air, and Soil Pollution</i> , 2013 , 224, 1	2.6	5
142	The effect of enzymatic pre-hydrolysis of dairy wastewater on the granular and immobilized microbial community in anaerobic bioreactors. <i>Environmental Technology (United Kingdom)</i> , 2013 , 34, 417-28	2.6	7
141	Reduction of sludge generation by the addition of support material in a cyclic activated sludge system for municipal wastewater treatment. <i>Bioresource Technology</i> , 2013 , 143, 483-9	11	9
140	Comparison of the use of sucrose and glucose as a substrate for hydrogen production in an upflow anaerobic fixed-bed reactor. <i>International Journal of Hydrogen Energy</i> , 2013 , 38, 15074-15083	6.7	50
139	Effects of organic loading, influent concentration, and feed time on biohydrogen production in a mechanically stirred AnSBBR treating sucrose-based wastewater. <i>Applied Biochemistry and Biotechnology</i> , 2013 , 171, 1832-54	3.2	23
138	Dynamic mathematical models for biodegradation of formaldehyde by <i>Ralstonia eutropha</i> in a batch bioreactor. <i>Journal of Environmental Management</i> , 2013 , 129, 548-54	7.9	5
137	Ethanol addition as a strategy for start-up and acclimation of an AnSBBR for the treatment of landfill leachate. <i>Process Biochemistry</i> , 2013 , 48, 1767-1777	4.8	8
136	Hydrogen production in an upflow anaerobic packed bed reactor used to treat cheese whey. <i>International Journal of Hydrogen Energy</i> , 2013 , 38, 54-62	6.7	132
135	BTEX removal in a horizontal-flow anaerobic immobilized biomass reactor under denitrifying conditions. <i>Biodegradation</i> , 2013 , 24, 269-78	4.1	14
134	Influence of seed sludge and pretreatment method on hydrogen production in packed-bed anaerobic reactors. <i>International Journal of Hydrogen Energy</i> , 2013 , 38, 6137-6145	6.7	144
133	An upflow fixed-bed anaerobic reactor for removal of organic matter and nitrogen from L-lysine plant wastewater. <i>Journal of Environmental Engineering and Science</i> , 2013 , 8, 303-312	0.8	
132	The influence of the degree of back-mixing on hydrogen production in an anaerobic fixed-bed reactor. <i>International Journal of Hydrogen Energy</i> , 2012 , 37, 9630-9635	6.7	47

131	Toxic effects of cadmium (Cd ²⁺) on anaerobic biomass: kinetic and metabolic implications. <i>Journal of Environmental Management</i> , 2012 , 106, 75-84	7.9	20
130	Assessment of a UASB reactor for the removal of sulfate from acid mine water. <i>International Biodeterioration and Biodegradation</i> , 2012 , 74, 48-53	4.8	30
129	Hydrogen and methane production, energy recovery, and organic matter removal from effluents in a two-stage fermentative process. <i>Applied Biochemistry and Biotechnology</i> , 2012 , 168, 651-71	3.2	44
128	Treatment of Domestic Sewage in an Anaerobic-Aerobic Fixed-bed Reactor with Recirculation of the Liquid Phase. <i>Clean - Soil, Air, Water</i> , 2012 , 40, 965-971	1.6	11
127	Effect of feed strategy on methane production and performance of an AnSBBR treating effluent from biodiesel production. <i>Applied Biochemistry and Biotechnology</i> , 2012 , 166, 2007-29	3.2	27
126	Characterization of immobilized biomass by amplified rDNA restriction analysis (ARDRA) in an anaerobic sequencing-batch biofilm reactor (ASBBR) for the treatment of industrial wastewater. <i>Brazilian Archives of Biology and Technology</i> , 2012 , 55, 623-629	1.8	3
125	Kinetic modeling and microbial assessment by fluorescent in situ hybridization in anaerobic sequencing batch biofilm reactors treating sulfate-rich wastewater. <i>Brazilian Journal of Chemical Engineering</i> , 2011 , 28, 209-219	1.7	13
124	Temperature and feed strategy effects on sulfate and organic matter removal in an AnSBB. <i>Journal of Environmental Management</i> , 2011 , 92, 1714-23	7.9	8
123	Effect of impeller type and stirring frequency on the behavior of an AnSBBR in the treatment of low-strength wastewater. <i>Bioresource Technology</i> , 2011 , 102, 889-93	11	12
122	AnSBBR applied to a personal care industry wastewater treatment: effects of fill time, volume treated per cycle, and organic load. <i>Applied Biochemistry and Biotechnology</i> , 2011 , 163, 127-42	3.2	8
121	Effect of organic load on the performance and methane production of an AnSBBR treating effluent from biodiesel production. <i>Applied Biochemistry and Biotechnology</i> , 2011 , 165, 347-68	3.2	23
120	Influence of carbon source and inoculum type on anaerobic biomass adhesion on polyurethane foam in reactors fed with acid mine drainage. <i>Bioresource Technology</i> , 2011 , 102, 5060-5	11	10
119	Full-scale anaerobic sequencing batch biofilm reactor for sulfate-rich wastewater treatment. <i>Desalination and Water Treatment</i> , 2011 , 25, 13-19		5
118	Solution of a heterogeneous modeling of a horizontal-flow anaerobic immobilized biomass (HAIB) reactor by the sequencing method. <i>Canadian Journal of Civil Engineering</i> , 2011 , 38, 415-421	1.3	3
117	Hydrogen production from soft-drink wastewater in an upflow anaerobic packed-bed reactor. <i>International Journal of Hydrogen Energy</i> , 2011 , 36, 8953-8966	6.7	76
116	Anaerobic treatment of sulfate-rich wastewater in an anaerobic sequential batch reactor (AnSBR) using butanol as the carbon source. <i>Journal of Environmental Management</i> , 2011 , 92, 1537-41	7.9	46
115	Effect of fill time on the performance of pilot-scale ASBR and AnSBBR applied to sanitary wastewater treatment. <i>Applied Biochemistry and Biotechnology</i> , 2010 , 162, 885-99	3.2	6
114	AnSBBR applied to the treatment of metalworking fluid wastewater: effect of organic and shock load. <i>Applied Biochemistry and Biotechnology</i> , 2010 , 162, 1708-24	3.2	11

113	ASBR applied to the treatment of biodiesel production effluent: effect of organic load and fill time on performance and methane production. <i>Applied Biochemistry and Biotechnology</i> , 2010 , 162, 2365-80	3.2	19
112	Effect of impeller type and agitation on the performance of pilot scale ASBR and AnSBBR applied to sanitary wastewater treatment. <i>Journal of Environmental Management</i> , 2010 , 91, 1647-56	7.9	9
111	Effect of feeding strategy and COD/sulfate ratio on the removal of sulfate in an AnSBBR with recirculation of the liquid phase. <i>Journal of Environmental Management</i> , 2010 , 91, 1756-65	7.9	13
110	Interaction effects of organic load and cycle time in an ASBR applied to a personal care industry wastewater treatment. <i>Journal of Environmental Management</i> , 2010 , 91, 2499-504	7.9	8
109	Influence of carbon sources and C/N ratio on EPS production in anaerobic sequencing batch biofilm reactors for wastewater treatment. <i>Bioresource Technology</i> , 2010 , 101, 1324-30	11	116
108	Influence of feed time and sulfate load on the organic and sulfate removal in an ASBR. <i>Bioresource Technology</i> , 2010 , 101, 6642-50	11	21
107	Potential to produce biohydrogen from various wastewaters. <i>Energy for Sustainable Development</i> , 2010 , 14, 143-148	5.4	88
106	Effects of feed time, organic loading and shock loads in anaerobic whey treatment by an AnSBBR with circulation. <i>Applied Biochemistry and Biotechnology</i> , 2009 , 157, 140-58	3.2	12
105	AnSBBR applied to organic matter and sulfate removal: interaction effect between feed strategy and COD/sulfate ratio. <i>Applied Biochemistry and Biotechnology</i> , 2009 , 159, 95-109	3.2	18
104	Bioremediation of gasoline-contaminated groundwater in a pilot-scale packed-bed anaerobic reactor. <i>International Biodeterioration and Biodegradation</i> , 2009 , 63, 747-751	4.8	13
103	Effect of impeller type and mechanical agitation on the mass transfer and power consumption aspects of ASBR operation treating synthetic wastewater. <i>Journal of Environmental Management</i> , 2009 , 90, 1357-64	7.9	24
102	AnSBBR applied to the treatment of wastewater from a personal care industry: effect of organic load and fill time. <i>Journal of Environmental Management</i> , 2009 , 90, 3070-81	7.9	22
101	Degradation of formaldehyde in anaerobic sequencing batch biofilm reactor (ASBBR). <i>Journal of Hazardous Materials</i> , 2009 , 163, 777-82	12.8	27
100	Effects of temperature at different organic loading levels on the performance of a fluidized-bed anaerobic sequencing batch bioreactor. <i>Chemical Engineering and Processing: Process Intensification</i> , 2009 , 48, 789-796	3.7	20
99	The treatment of sulfate-rich wastewater using an anaerobic sequencing batch biofilm pilot-scale reactor. <i>Desalination</i> , 2009 , 249, 241-246	10.3	17
98	Pentachlorophenol (PCP) dechlorination in horizontal-flow anaerobic immobilized biomass (HAIB) reactors. <i>Bioresource Technology</i> , 2009 , 100, 4361-7	11	24
97	Performance and molecular evaluation of an anaerobic system with suspended biomass for treating wastewater with high fat content after enzymatic hydrolysis. <i>Bioresource Technology</i> , 2009 , 100, 6170-6	11	40
96	An upflow fixed-bed anaerobic-aerobic reactor for removal of organic matter and nitrogen from L-lysine plant wastewater. A paper submitted to the <i>Journal of Environmental Engineering and Science</i> . <i>Canadian Journal of Civil Engineering</i> , 2009 , 36, 1085-1094	1.3	11

95	Heterogeneous modeling of an anaerobic sequencing batch biofilm reactor (ASBBR). <i>Journal of Environmental Engineering and Science</i> , 2008 , 7, 319-325	0.8	1
94	Effect of mixing mode on the behavior of an ASBBR with immobilized biomass in the treatment of cheese whey. <i>Brazilian Journal of Chemical Engineering</i> , 2008 , 25, 291-298	1.7	7
93	Development and validation of a HPLC method for the determination of aldicarb, aldicarb sulfoxide and aldicarb sulfone in liquid samples from anaerobic reactors. <i>Journal of the Brazilian Chemical Society</i> , 2008 , 19, 1158-1164	1.5	2
92	Effect of ammonia load on efficiency of nitrogen removal in an SBBR with liquid-phase circulation. <i>Brazilian Journal of Chemical Engineering</i> , 2008 , 25, 275-289	1.7	7
91	Desempenho de reator anaeróbio-aeróbio de leito fixo no tratamento de esgoto sanitário. <i>Engenharia Sanitaria E Ambiental</i> , 2008 , 13, 181-188	0.4	11
90	Effects of bed materials on the performance of an anaerobic sequencing batch biofilm reactor treating domestic sewage. <i>Journal of Environmental Management</i> , 2008 , 88, 1471-7	7.9	24
89	Feasibility of nitrification/denitrification in a sequencing batch biofilm reactor with liquid circulation applied to post-treatment. <i>Bioresource Technology</i> , 2008 , 99, 644-54	11	48
88	Granules characteristics in the vertical profile of a full-scale upflow anaerobic sludge blanket reactor treating poultry slaughterhouse wastewater. <i>Bioresource Technology</i> , 2008 , 99, 2018-24	11	39
87	Fluidized ASBR treating synthetic wastewater: Effect of recirculation velocity. <i>Chemical Engineering and Processing: Process Intensification</i> , 2008 , 47, 184-191	3.7	11
86	Anaerobic sequencing batch biofilm reactor applied to automobile industry wastewater treatment: Volumetric loading rate and feed strategy effects. <i>Chemical Engineering and Processing: Process Intensification</i> , 2008 , 47, 1374-1383	3.7	22
85	Influence of organic shock loads in an ASBBR treating synthetic wastewater with different concentration levels. <i>Bioresource Technology</i> , 2008 , 99, 3256-66	11	14
84	Application of an anaerobic packed-bed bioreactor for the production of hydrogen and organic acids. <i>International Journal of Hydrogen Energy</i> , 2008 , 33, 579-586	6.7	102
83	Remoção de etanol e benzeno em reator anaeróbio horizontal de leito fixo na presença de sulfato. <i>Engenharia Sanitaria E Ambiental</i> , 2007 , 12, 181-191	0.4	2
82	Influência da glicose sobre o consumo de fenol por <i>Aspergillus niger</i> a 400 em reatores em batelada. <i>Engenharia Sanitaria E Ambiental</i> , 2007 , 12, 222-228	0.4	5
81	Effects of solid-phase mass transfer on the performance of a stirred anaerobic sequencing batch reactor containing immobilized biomass. <i>Bioresource Technology</i> , 2007 , 98, 1411-7	11	13
80	Anaerobic sequencing batch reactors in pilot-scale for domestic sewage treatment. <i>Desalination</i> , 2007 , 216, 174-182	10.3	27
79	Effects of feeding time and organic loading in an anaerobic sequencing batch biofilm reactor (ASBBR) treating diluted whey. <i>Journal of Environmental Management</i> , 2007 , 85, 927-35	7.9	28
78	Long-term operating performance of a poultry slaughterhouse wastewater treatment plant. <i>Resources, Conservation and Recycling</i> , 2007 , 50, 102-114	11.9	75

77	Domestic sewage treatment in a pilot-scale anaerobic sequencing batch biofilm reactor (ASBBR). <i>Resources, Conservation and Recycling</i> , 2007 , 51, 237-247	11.9	13
76	Influence of temperature on performance of an anaerobic sequencing biofilm batch reactor with circulation applied to treatment of low-strength wastewater. <i>Applied Biochemistry and Biotechnology</i> , 2007 , 136, 193-206	3.2	3
75	Kinetics of BTEX degradation in a packed-bed anaerobic reactor. <i>Biodegradation</i> , 2007 , 18, 83-90	4.1	12
74	Removal of nitrogen and organic matter in a radial-flow aerobic-anoxic immobilized biomass reactor used in the posttreatment of anaerobically treated effluent. <i>Applied Biochemistry and Biotechnology</i> , 2007 , 142, 44-51	3.2	5
73	Whey treatment by AnSBBR with circulation: effects of organic loading, shock loads, and alkalinity supplementation. <i>Applied Biochemistry and Biotechnology</i> , 2007 , 143, 257-75	3.2	15
72	Evaluation of support materials for the immobilization of sulfate-reducing bacteria and methanogenic archaea. <i>Anaerobe</i> , 2006 , 12, 93-8	2.8	75
71	Kinetics, mass transfer and hydrodynamics in a packed bed aerobic reactor fed with anaerobically treated domestic sewage. <i>Environmental Technology (United Kingdom)</i> , 2006 , 27, 1125-35	2.6	4
70	Degradation of Partially Soluble Wastewater in an Anaerobic Sequencing Batch Biofilm Reactor Role of Impeller Type. <i>Environmental Engineering Science</i> , 2006 , 23, 803-813	2	5
69	The performance of an anaerobic sequencing batch biofilm reactor treating domestic sewage colonized by anoxygenic phototrophic bacteria. <i>Chemosphere</i> , 2006 , 62, 1437-43	8.4	25
68	Tratamento de esgoto sanitário utilizando reatores anaeróbios operados em bateladas sequenciais (escala piloto). <i>Engenharia Sanitaria E Ambiental</i> , 2006 , 11, 73-82	0.4	1
67	Influence of the addition of sulphate and ferric ions in a methanogenic anaerobic packed-bed reactor treating gasoline-contaminated water. <i>Water Science and Technology</i> , 2006 , 54, 135-41	2.2	2
66	Immobilized cells of <i>Acidithiobacillus ferrooxidans</i> in PVC strands and sulfite removal in a pilot-scale bioreactor. <i>Biochemical Engineering Journal</i> , 2006 , 28, 201-207	4.2	12
65	Anaerobic whey treatment by a stirred sequencing batch reactor (ASBR): effects of organic loading and supplemented alkalinity. <i>Journal of Environmental Management</i> , 2006 , 79, 198-206	7.9	47
64	Analysis of performance of an anaerobic sequencing batch reactor submitted to increasing organic load with different influent concentrations and cycle lengths. <i>Applied Biochemistry and Biotechnology</i> , 2006 , 133, 171-88	3.2	7
63	Anaerobic Processes as the Core Technology for Sustainable Domestic Wastewater Treatment: Consolidated Applications, New Trends, Perspectives, and Challenges. <i>Reviews in Environmental Science and Biotechnology</i> , 2006 , 5, 3-19	13.9	117
62	Treatment of easily degradable wastewater in a stirred anaerobic sequencing batch biofilm reactor. <i>Water Research</i> , 2005 , 39, 2376-84	12.5	15
61	Anaerobic packed-bed reactor for bioremediation of gasoline-contaminated aquifers. <i>Process Biochemistry</i> , 2005 , 40, 587-592	4.8	36
60	Influence of bioparticle size on the degradation of partially soluble wastewater in an anaerobic sequencing batch biofilm reactor (ASBBR). <i>Process Biochemistry</i> , 2005 , 40, 3206-3212	4.8	6

59	Performance and stability of an anaerobic fixed bed reactor subjected to progressive increasing concentrations of influent organic matter and organic shock loads. <i>Journal of Environmental Management</i> , 2005 , 76, 319-25	7.9	18
58	Influence of the carbon source on the anaerobic biomass adhesion on polyurethane foam matrices. <i>Journal of Environmental Management</i> , 2005 , 74, 187-94	7.9	19
57	Feasibility of treating partially soluble wastewater in anaerobic sequencing batch biofilm reactor (ASBBR) with mechanical stirring. <i>Bioresource Technology</i> , 2005 , 96, 517-9	11	12
56	Feasibility of treating swine manure in an anaerobic sequencing batch biofilm reactor with mechanical stirring. <i>Applied Biochemistry and Biotechnology</i> , 2005 , 120, 109-20	3.2	5
55	Performance of anaerobic sequencing batch biofilm reactor submitted to different influent volume feeds and cycle time periods maintaining organic loading. <i>Applied Biochemistry and Biotechnology</i> , 2005 , 126, 189-203	3.2	3
54	Ethanol and toluene removal in a horizontal-flow anaerobic immobilized biomass reactor in the presence of sulfate. <i>Biotechnology and Bioengineering</i> , 2005 , 91, 244-53	4.9	24
53	A simplified analysis of granule behavior in ASBR and UASB reactors treating low-strength synthetic wastewater. <i>Brazilian Journal of Chemical Engineering</i> , 2005 , 22, 361-369	1.7	7
52	Morphological study of biomass during the start-up period of a fixed-bed anaerobic reactor treating domestic sewage. <i>Brazilian Archives of Biology and Technology</i> , 2005 , 48, 841-849	1.8	23
51	Development and evaluation of a radial anaerobic/aerobic reactor treating organic matter and nitrogen in sewage. <i>Brazilian Journal of Chemical Engineering</i> , 2005 , 22, 511-519	1.7	16
50	Assessment of the ability of sludge to degrade PCP under anaerobic conditions. <i>Brazilian Journal of Chemical Engineering</i> , 2005 , 22, 611-617	1.7	8
49	Effects of feeding strategies on the performance of an anaerobic discontinuous reactor containing immobilized biomass with circulation system for liquid-phase mixing. <i>Water Science and Technology</i> , 2004 , 49, 303-310	2.2	8
48	Stirred anaerobic sequencing batch reactor containing immobilized biomass: a behavior study when submitted to different fill times. <i>Water Science and Technology</i> , 2004 , 49, 311-318	2.2	5
47	Enhancement of the performance of an anaerobic sequencing batch reactor treating low-strength wastewater through implementation of a variable stirring rate program. <i>Brazilian Journal of Chemical Engineering</i> , 2004 , 21, 423-434	1.7	29
46	Influence of liquid-phase mass transfer on the performance of a stirred anaerobic sequencing batch reactor containing immobilized biomass. <i>Biochemical Engineering Journal</i> , 2004 , 17, 99-105	4.2	27
45	Influence of organic loading on an anaerobic sequencing biofilm batch reactor (ASBBR) as a function of cycle period and wastewater concentration. <i>Journal of Environmental Management</i> , 2004 , 72, 241-7	7.9	19
44	Comparison of Methanol, Ethanol, and Methane as Electron Donors for Denitrification. <i>Environmental Engineering Science</i> , 2004 , 21, 313-320	2	42
43	Formaldehyde degradation in an anaerobic packed-bed bioreactor. <i>Water Research</i> , 2004 , 38, 1685-94	12.5	84
42	Influence of the agitation rate on the treatment of partially soluble wastewater in anaerobic sequencing batch biofilm reactor. <i>Water Research</i> , 2004 , 38, 4117-24	12.5	27

41	Stirred anaerobic sequencing batch reactor containing immobilized biomass: a behavior study when submitted to different fill times. <i>Water Science and Technology</i> , 2004 , 49, 311-8	2.2	2
40	Operating feasibility of anaerobic whey treatment in a stirred sequencing batch reactor containing immobilized biomass. <i>Water Science and Technology</i> , 2003 , 48, 179-186	2.2	44
39	Influence of multiple substrates on anaerobic protein degradation in a packed-bed bioreactor. <i>Water Science and Technology</i> , 2003 , 48, 23-31	2.2	58
38	Fed-batch and batch operating mode analysis of a stirred anaerobic sequencing reactor with self-immobilized biomass treating low-strength wastewater. <i>Journal of Environmental Management</i> , 2003 , 69, 193-200	7.9	14
37	Effect of feeding strategy on a stirred anaerobic sequencing fed-batch reactor containing immobilized biomass. <i>Bioresource Technology</i> , 2003 , 90, 199-205	11	26
36	Integrated horizontal-flow anaerobic and radial-flow aerobic reactors for the removal of organic matter and nitrogen from domestic sewage. <i>Environmental Technology (United Kingdom)</i> , 2003 , 24, 51-8	2.6	3
35	Influence of agitation rate on the performance of an anaerobic sequencing batch reactor containing granulated biomass treating low-strength wastewater. <i>Journal of Environmental Management</i> , 2003 , 7, 405-410		43
34	Influence of Extracellular Polymeric Substances on Anaerobic Biofilms Supported by Polyurethane Foam Matrices. <i>Environmental Engineering Science</i> , 2003 , 20, 249-255	2	7
33	Anaerobic degradation of BTEX in a packed-bed reactor. <i>Water Science and Technology</i> , 2002 , 45, 175-180	2	18
32	Morphological observation and microbial population dynamics in anaerobic polyurethane foam biofilm degrading gelatin. <i>Brazilian Journal of Chemical Engineering</i> , 2002 , 19, 287-292	1.7	6
31	Sulphate removal from industrial wastewater using a packed-bed anaerobic reactor. <i>Process Biochemistry</i> , 2002 , 37, 927-935	4.8	130
30	Treatment of low-strength wastewater using immobilized biomass in a sequencing batch external loop reactor: influence of the medium superficial velocity on the stability and performance. <i>Brazilian Journal of Chemical Engineering</i> , 2002 , 19, 267-275	1.7	27
29	Influence of the COD to sulphate ratio on the anaerobic organic matter degradation kinetics. <i>Water SA</i> , 2002 , 28, 213	1.3	11
28	Anaerobic sequencing batch reactors for wastewater treatment: a developing technology. <i>Applied Microbiology and Biotechnology</i> , 2001 , 55, 29-35	5.7	87
27	Influence of the liquid-phase mass transfer on the performance of a packed-bed bioreactor for wastewater treatment. <i>Bioresource Technology</i> , 2001 , 78, 231-8	11	24
26	Aplicação de espumas cerâmicas produzidas via "gelcasting" em biorreator para tratamento anaeróbio de águas residuais. <i>Cerâmica</i> , 2001 , 47, 199-203	1	9
25	Influence of agitation rate on the performance of a stirred anaerobic sequencing batch reactor containing immobilized biomass. <i>Water Science and Technology</i> , 2001 , 44, 305-312	2.2	22
24	Phenol degradation in horizontal-flow anaerobic immobilized biomass (HAIB) reactor under mesophilic conditions. <i>Water Science and Technology</i> , 2001 , 44, 167-174	2.2	31

23	Influence of porosity and composition of supports on the methanogenic biofilm characteristics developed in a fixed bed anaerobic reactor. <i>Water Science and Technology</i> , 2001 , 44, 197-204	2.2	58
22	Phenol degradation in horizontal-flow anaerobic immobilized biomass (HAIB) reactor under mesophilic conditions. <i>Water Science and Technology</i> , 2001 , 44, 167-74	2.2	6
21	External and internal mass transfer effects in an anaerobic fixed-bed reactor for wastewater treatment. <i>Process Biochemistry</i> , 2000 , 35, 943-949	4.8	21
20	Feasibility of a stirred anaerobic sequencing batch reactor containing immobilized biomass for wastewater treatment. <i>Bioresource Technology</i> , 2000 , 75, 127-132	11	59
19	A mathematical model and criteria for designing horizontal-flow anaerobic immobilized biomass reactors for wastewater treatment. <i>Bioresource Technology</i> , 2000 , 71, 235-243	11	17
18	General relationship for volumetric oxygen transfer coefficient (k L a) prediction in tower bioreactors utilizing immobilized cells. <i>Bioprocess and Biosystems Engineering</i> , 2000 , 22, 181-184		4
17	Treatment of Domestic Sewage in Horizontal-Flow Anaerobic Immobilized Biomass (HAIB) Reactor. <i>Environmental Technology (United Kingdom)</i> , 2000 , 21, 1139-1145	2.6	12
16	Estimation of Substrate Effective Diffusivities in Anaerobic Bioparticles. <i>Environmental Technology (United Kingdom)</i> , 1999 , 20, 1163-1170	2.6	8
15	Influence of the tracer characteristics on hydrodynamic models of packed-bed bioreactors. <i>Bioprocess and Biosystems Engineering</i> , 1999 , 21, 469		39
14	Performance of horizontal-flow anaerobic immobilized sludge (HAIS) reactor treating synthetic substrate subjected to decreasing COD to sulfate ratios. <i>Water Science and Technology</i> , 1999 , 39, 99	2.2	6
13	STATE ESTIMATION AND PARAMETER IDENTIFICATION IN A FED-BATCH PENICILLIN PRODUCTION PROCESS. <i>Brazilian Journal of Chemical Engineering</i> , 1999 , 16, 41-52	1.7	3
12	Intrinsic Kinetic Parameters of Substrate Utilization by Anaerobic Sludge Along the Horizontal-Flow Anaerobic Immobilized Sludge (HAIS) Reactor. <i>Environmental Technology (United Kingdom)</i> , 1997 , 18, 953-957	2.6	4
11	Spatial and temporal variations of monitoring performance parameters in horizontal-flow anaerobic immobilized sludge (HAIS) reactor treating synthetic substrate. <i>Water Research</i> , 1997 , 31, 1760-1766 ^{12,5,22}		
10	Method for estimating the kinetics of substrate degradation in horizontal-flow anaerobic immobilized sludge reactors. <i>Biotechnology Letters</i> , 1997 , 11, 315-318		5
9	Microbial colonization of polyurethane foam matrices in horizontal-flow anaerobic immobilized-sludge reactor. <i>Applied Microbiology and Biotechnology</i> , 1997 , 48, 534-538	5.7	51
8	Intrinsic kinetic parameters of substrate utilization by immobilized anaerobic sludge. <i>Biotechnology and Bioengineering</i> , 1997 , 53, 220-5	4.9	6
7	Rational Basis for Designing Horizontal-Flow Anaerobic Immobilized Sludge (HAIS) Reactor for Wastewater Treatment. <i>Brazilian Journal of Chemical Engineering</i> , 1997 , 14, 1-8	1.7	13
6	Cell wash-out and external mass transfer resistance in horizontal-flow anaerobic immobilized sludge reactor. <i>Water Research</i> , 1996 , 30, 2435-2439	12.5	20

5	Liquid-phase mass transfer in fixed-bed of polyurethane foam matrices containing immobilized anaerobic sludge. <i>Biotechnology Letters</i> , 1996 , 10, 121-126		17
4	Estimation of intrinsic kinetic parameters in immobilised cell systems for anaerobic wastewater treatment. <i>Biotechnology Letters</i> , 1996 , 10, 635		5
3	Anaerobic reactors for food processing wastewater treatment: established technology and new developments. <i>Water Science and Technology</i> , 1995 , 32, 157	2.2	4
2	Microbial Communities Performing Hydrogen Solventogenic Metabolism of Volatile Fatty Acids		1
1	Influence of Sulfur and Light Intensity in Nutrient Removal, and Hydrogen and Ethanol Production by Improved Biomass of <i>Chlamydomonas reinhardtii</i> in Batch Anaerobic Photobioreactors. <i>Bioenergy Research</i> ,1	3.1	1