

# A review: The anaerobic treatment of sewage in UASB a

Bioresource Technology

65, 175-190

DOI: [10.1016/s0960-8524\(98\)00046-7](https://doi.org/10.1016/s0960-8524(98)00046-7)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Layered structure of UASB granules gives microbial populations resistance to toxic chemicals. <i>Biotechnology Letters</i> , 1999, 21, 159-162.	2.2	9
2	Treatment of sewage by a UASB reactor under moderate to low temperature conditions. <i>Bioresource Technology</i> , 2000, 72, 275-282.	9.6	130
3	Particle-based biofilm reactor technology. <i>Trends in Biotechnology</i> , 2000, 18, 312-320.	9.3	136
4	Anaerobic digestion of short chain organic acids in an expanded granular sludge bed reactor. <i>Water Research</i> , 2000, 34, 2433-2438.	11.3	46
5	Regeneration of Azo-Dye-Saturated Cellulosic Anion Exchange Resin by <i>Burkholderia cepacia</i> Anaerobic Dye Reduction. <i>Environmental Science &amp; Technology</i> , 2000, 34, 167-172.	10.0	33
6	Anaerobic treatment of domestic wastewater in temperate climates: treatment plant modelling with economic considerations. <i>Water Research</i> , 2001, 35, 4137-4149.	11.3	41
7	New perspectives in anaerobic digestion. <i>Water Science and Technology</i> , 2001, 43, 1-18.	2.5	185
8	Anaerobic wastewater treatment in (sub-)tropical regions. , 2001, , 285-294.		12
9	Enhancing the start-up of a UASB reactor treating domestic wastewater by adding a water extract of <i>Moringa oleifera</i> seeds. <i>Applied Microbiology and Biotechnology</i> , 2001, 55, 644-651.	3.6	32
10	Challenge of psychrophilic anaerobic wastewater treatment. <i>Trends in Biotechnology</i> , 2001, 19, 363-370.	9.3	409
11	Toxicity of linear alkylbenzene sulfonate in anaerobic digestion: influence of exposure time. <i>Water Research</i> , 2002, 36, 3253-3260.	11.3	59
12	Removal efficiency and methanogenic activity profiles in a pilot-scale UASB reactor treating settled sewage at moderate temperatures. <i>Water Science and Technology</i> , 2002, 45, 243-248.	2.5	16
13	A new model for anaerobic processes of up-flow anaerobic sludge blanket reactors based on cellular automata. <i>Water Science and Technology</i> , 2002, 45, 87-92.	2.5	18
14	Effect of Temperature on Bio-Kinetic Coefficients in UASB Treatment of Municipal Wastewater. <i>Water, Air, and Soil Pollution</i> , 2002, 136, 243-254.	2.4	12
15	Two-Step Upflow Anaerobic Sludge Bed System for Sewage Treatment Under Subtropical Conditions with Posttreatment in Waste Stabilization Ponds. <i>Applied Biochemistry and Biotechnology</i> , 2003, 109, 167-180.	2.9	5
16	Treatment of winery effluent with upflow anaerobic sludge blanket (UASB) "granular sludges enriched with <i>Enterobacter sakazakii</i> . <i>Biotechnology Letters</i> , 2003, 25, 1893-1898.	2.2	64
17	Biomethanation under psychrophilic conditions: a review. <i>Bioresource Technology</i> , 2003, 87, 147-153.	9.6	170
18	Technetium-99m as a tracer for the liquid RTD measurement in opaque anaerobic digester: application in a sugar wastewater treatment plant. <i>Chemical Engineering and Processing: Process Intensification</i> , 2003, 42, 857-865.	3.6	22

#	ARTICLE	IF	CITATIONS
19	Molecular monitoring of microbial diversity in an UASB reactor. <i>International Biodeterioration and Biodegradation</i> , 2003, 52, 7-12.	3.9	41
20	Perspectives for Anaerobic Digestion. <i>Advances in Biochemical Engineering/Biotechnology</i> , 2003, 81, 1-30.	1.1	85
21	Kinetics of anaerobic treatment of landfill leachates combined with urban wastewaters. <i>Waste Management and Research</i> , 2003, 21, 145-154.	3.9	10
22	9 Anaerobic digestion of wastewaters. , 2003, , 253-272.		0
23	Impact of temperature on performance, microbiological, and hydrodynamic aspects of UASB reactors treating municipal wastewater. <i>Water Science and Technology</i> , 2003, 48, 211-217.	2.5	94
24	Aerobic granular sludge in an SBR-system treating wastewater rich in particulate matter. <i>Water Science and Technology</i> , 2004, 49, 41-46.	2.5	157
25	Treatment of Malting Wastewater in a Granular Sludge Sequencing Batch Reactor (SBR). <i>Clean - Soil, Air, Water</i> , 2004, 32, 16-24.	0.6	57
26	Titration methodologies for monitoring of anaerobic digestion in developing countries? a review. <i>Journal of Chemical Technology and Biotechnology</i> , 2004, 79, 1331-1341.	3.2	124
27	Biological pre-treatment of wastewater containing sulfate using anaerobic immobilized cells. <i>Journal of Hazardous Materials</i> , 2004, 113, 147-155.	12.4	48
28	Stimulation of Methanogenesis in a Laboratory Scale UASB Reactor Treating Domestic Sewage by Fe(0) Application. <i>Environmental Technology (United Kingdom)</i> , 2004, 25, 613-619.	2.2	11
29	Municipal Wastewater Treatment by USAB Process: Start-up at 20°C and Operation at Low Temperatures. <i>Environmental Technology (United Kingdom)</i> , 2004, 25, 621-634.	2.2	8
30	Performance of a sub-surface flow constructed wetland in polishing pre-treated wastewater a tropical case study. <i>Water Research</i> , 2004, 38, 681-687.	11.3	150
31	Anaerobic treatment of domestic wastewater in a membrane-coupled expanded granular sludge bed (EGSB) reactor under moderate to low temperature. <i>Process Biochemistry</i> , 2005, 40, 1063-1070.	3.7	124
32	Treatment of strong domestic sewage in a 96 m UASB reactor operated at ambient temperatures: two-stage versus single-stage reactor. <i>Bioresource Technology</i> , 2005, 96, 577-585.	9.6	59
33	Treatment of dairy effluents in an aerobic granular sludge sequencing batch reactor. <i>Applied Microbiology and Biotechnology</i> , 2005, 66, 711-718.	3.6	195
34	Effect of inoculum and sludge concentration on viscosity evolution of anaerobic granular sludges. <i>Water Science and Technology</i> , 2005, 52, 509-514.	2.5	10
35	Treatment of Municipal Waste. , 2005, , 275-283.		0
36	A Study on Organics and Nutrients Removal Mechanisms in Livestock Wastewater Treatment Using EGSB. <i>Key Engineering Materials</i> , 2005, 277-279, 462-469.	0.4	2

#	ARTICLE	IF	CITATIONS
37	Treatment of phenol and cresols in upflow anaerobic sludge blanket (UASB) process: a review. <i>Water Research</i> , 2005, 39, 154-170.	11.3	224
38	Anaerobic on-site treatment of black water and dairy parlour wastewater in UASB-septic tanks at low temperatures. <i>Water Research</i> , 2005, 39, 436-448.	11.3	70
39	Biofilm reactors for industrial bioconversion processes: employing potential of enhanced reaction rates. <i>Microbial Cell Factories</i> , 2005, 4, 24.	4.0	311
40	Anaerobic Membrane Bioreactors: Applications and Research Directions. <i>Critical Reviews in Environmental Science and Technology</i> , 2006, 36, 489-530.	12.8	367
41	Desempenho de processo anaer3bio em dois est3gios (reator compartimentado seguido de reator) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.7	24
42	Anaerobic treatment of sludge from a nitrification4denitrification landfill leachate plant. <i>Waste Management</i> , 2006, 26, 869-874.	7.4	12
43	Improving biohydrogen production in a carrier-induced granular sludge bed by altering physical configuration and agitation pattern of the bioreactor. <i>International Journal of Hydrogen Energy</i> , 2006, 31, 1648-1657.	7.1	97
44	Viscosity evolution of anaerobic granular sludge. <i>Biochemical Engineering Journal</i> , 2006, 27, 315-322.	3.6	66
45	Modelling anaerobic biofilm reactors4A review. <i>Journal of Environmental Management</i> , 2006, 81, 1-18.	7.8	88
46	The Microbiology and Biochemistry of Anaerobic Bioreactors with Relevance to Domestic Sewage Treatment. <i>Reviews in Environmental Science and Biotechnology</i> , 2006, 5, 39-55.	8.1	75
47	Post-Treatment Options for the Anaerobic Treatment of Domestic Wastewater. <i>Reviews in Environmental Science and Biotechnology</i> , 2006, 5, 73-92.	8.1	158
48	Mathematical Modelling of Anaerobic Reactors Treating Domestic Wastewater: Rational Criteria for Model Use. <i>Reviews in Environmental Science and Biotechnology</i> , 2006, 5, 57-71.	8.1	107
49	Influence of extrinsic factors on granulation in UASB reactor. <i>Applied Microbiology and Biotechnology</i> , 2006, 71, 145-154.	3.6	115
50	Effect of Sodium Ion Concentration on Hydrogen Production from Sucrose by Anaerobic Hydrogen-producing Granular Sludge. <i>Chinese Journal of Chemical Engineering</i> , 2006, 14, 511-517.	3.5	43
52	Anaerobic Degradability: Effect of Particulate COD. <i>Journal of Environmental Engineering, ASCE</i> , 2006, 132, 488-496.	1.4	37
53	Development of Multistage Anaerobic Wastewater Treatment System Consisting of Anaerobic and Downflow Hanging Sponge (DHS) Reactors. <i>Journal of Japan Society on Water Environment</i> , 2007, 30, 83-88.	0.4	2
54	Solids characterisation in an anaerobic migrating bed reactor (AMBR) sewage treatment system. <i>Water Research</i> , 2007, 41, 2437-2448.	11.3	15
55	Studies on the expansion characteristics of the granular bed present in EGSB bioreactors. <i>Water S A</i> , 2007, 32, .	0.4	4

#	ARTICLE	IF	CITATIONS
56	Complex wastewater treatment using an anaerobic baffled reactor. <i>Environmental Progress</i> , 2007, 26, 391-398.	0.7	8
57	Effect of sulfate and iron on physico-chemical characteristics of anaerobic granular sludge. <i>Biochemical Engineering Journal</i> , 2007, 33, 168-177.	3.6	16
58	Feasibility study of a pilot-scale sewage treatment system combining an up-flow anaerobic sludge blanket (UASB) and an aerated fixed bed (AFB) reactor at ambient temperature. <i>Bioresource Technology</i> , 2007, 98, 177-182.	9.6	33
59	Nutrient recovery from domestic wastewater using a UASB-duckweed ponds system. <i>Bioresource Technology</i> , 2007, 98, 798-807.	9.6	138
60	Effect of Na <sup>+</sup> and Ca <sup>2+</sup> on the aggregation properties of sieved anaerobic granular sludge. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2007, 306, 142-149.	4.7	62
61	Identification of rheological parameters describing the physico-chemical properties of anaerobic sulphidogenic sludge suspensions. <i>Enzyme and Microbial Technology</i> , 2007, 40, 547-554.	3.2	18
62	Removal of carbon and nutrients from low strength domestic wastewater by expanded granular sludge bed-zeolite bed filtration (EGSB-ZBF) integrated treatment concept. <i>Process Biochemistry</i> , 2007, 42, 1173-1179.	3.7	24
63	Nitrogen recovery in an integrated system for wastewater treatment and tilapia production. <i>The Environmentalist</i> , 2007, 27, 287-302.	0.7	7
64	Degradation of anionic surfactants during drying of UASBR sludges on sand drying beds. <i>Journal of Environmental Management</i> , 2008, 88, 995-1002.	7.8	15
65	Breeding of wastewater treatment yeasts that accumulate high concentrations of phosphorus. <i>Applied Microbiology and Biotechnology</i> , 2008, 80, 331-338.	3.6	35
66	Influencing effect of intra-granule mass transfer in expanded granular sludge-bed reactors treating an inhibitory substrate. <i>Bioresource Technology</i> , 2008, 99, 3403-3410.	9.6	27
67	Anaerobic treatment of low-strength municipal wastewater by a two-stage pilot plant under psychrophilic conditions. <i>Bioresource Technology</i> , 2008, 99, 7051-7062.	9.6	82
68	Filamentous granular sludge bulking in a laboratory scale UASB reactor. <i>Bioresource Technology</i> , 2008, 99, 3431-3438.	9.6	54
69	Treatment of low strength complex wastewater using an anaerobic baffled reactor (ABR). <i>Bioresource Technology</i> , 2008, 99, 8193-8200.	9.6	77
71	Towards feasible and sustainable environmental protection for all. <i>Aquatic Ecosystem Health and Management</i> , 2008, 11, 116-124.	0.6	16
72	Performance and Surface Characteristics of Sludge Operated at Increasing Organic Loads After Aerobic Granulation. , 2008, , .		0
73	Anaerobic Treatment of Domestic Wastewater with EGSB Reactor. , 2008, , .		2
74	Operational Characteristics of an Anaerobic Baffled Reactor Treating Low Strength Wastewater. , 2008, , .		3

#	ARTICLE	IF	CITATIONS
75	Beneficial biofilms: wastewater and other industrial applications * *Mention of trade names of commercial products in this article is solely for the purpose of providing scientific information and does not imply recommendation or endorsement by the United States Department of Agriculture.. , 2009, , 474-498.		3
76	Anaerobic Treatment of Actual Domestic Wastewater with EGSB Reactor at Ambient Temperature. , 2009, , .		0
77	Miniaturized flow-through sensor array for methane fermentation monitoring. , 2009, , .		1
78	Treatment and phosphorus removal from high-concentration organic wastewater by the yeast <i>Hansenula anomala</i> J224 PAWA. <i>Bioresource Technology</i> , 2009, 100, 1781-1785.	9.6	34
79	Treatment of low-strength soluble wastewater using an anaerobic baffled reactor (ABR). <i>Journal of Environmental Management</i> , 2009, 90, 166-176.	7.8	76
80	Digestion of thermally hydrolyzed sewage sludge by anaerobic sequencing batch reactor. <i>Journal of Hazardous Materials</i> , 2009, 162, 799-803.	12.4	61
81	A review on anaerobicâ€œaerobic treatment of industrial and municipal wastewater. <i>Chemical Engineering Journal</i> , 2009, 155, 1-18.	12.7	879
82	Hydrogen fermentation of food waste without inoculum addition. <i>Enzyme and Microbial Technology</i> , 2009, 45, 181-187.	3.2	158
83	Methanogenic toxicity in anaerobic digesters treating municipal wastewater. <i>Bioresource Technology</i> , 2009, 100, 97-103.	9.6	14
84	Anaerobic degradation pathway and kinetics of domestic wastewater at low temperatures. <i>Bioresource Technology</i> , 2009, 100, 6155-6162.	9.6	26
85	Start-up procedures and analysis of heavy metals inhibition on methanogenic activity in EGSB reactor. <i>Bioresource Technology</i> , 2009, 100, 6290-6294.	9.6	56
86	Comparison of UASB and EGSB performance on the anaerobic biodegradation of 2,4-dichlorophenol. <i>Chemosphere</i> , 2009, 76, 1192-1198.	8.2	58
87	Simultaneous Nitrogen and Phosphorus Removal from High-Strength Industrial Wastewater Using Aerobic Granular Sludge. <i>Journal of Environmental Engineering, ASCE</i> , 2009, 135, 153-158.	1.4	59
88	Bioelectrochemical Systems: From Extracellular Electron Transfer to Biotechnological Application. <i>Water Intelligence Online</i> , 0, 8, .	0.3	63
89	Anaerobic Membrane Bioreactor Treatment of Synthetic Municipal Wastewater at Ambient Temperature. <i>Water Environment Research</i> , 2009, 81, 922-928.	2.7	60
90	Biosystems analysis and engineering of microbial consortia for industrial biotechnology. <i>Engineering in Life Sciences</i> , 2010, 10, 407-421.	3.6	132
91	Performance of staged and non-staged up-flow anaerobic sludge bed (USSB and UASB) reactors treating low strength complex wastewater. <i>Biodegradation</i> , 2010, 21, 737-751.	3.0	11
92	Hydrogenated Vegetable Oil Industry Wastewater Treatment using UASB Reactor System with Recourse to Energy Recovery. <i>Water, Air, and Soil Pollution</i> , 2010, 208, 323-333.	2.4	6

#	ARTICLE	IF	CITATIONS
93	Possible scenarios of environmental transport, occurrence and fate of helminth eggs in light weight aggregate wastewater treatment systems. <i>Reviews in Environmental Science and Biotechnology</i> , 2010, 9, 51-58.	8.1	9
95	Effective bio-treatment of fresh leachate from pretreated municipal solid waste in an expanded granular sludge bed bioreactor. <i>Bioresource Technology</i> , 2010, 101, 1447-1452.	9.6	48
96	Water hyacinth ( <i>Eichhornia crassipes</i> ) waste as an adsorbent for phosphorus removal from swine wastewater. <i>Bioresource Technology</i> , 2010, 101, 9025-9030.	9.6	47
97	Filter bed systems treating domestic wastewater in the Nordic countries – Performance and reuse of filter media. <i>Ecological Engineering</i> , 2010, 36, 1651-1659.	3.6	73
98	Comparison of Three Systems for Biological Greywater Treatment. <i>Water (Switzerland)</i> , 2010, 2, 155-169.	2.7	73
99	Anaerobic Treatment of Yeast Effluent in an Expanded Granular Sludge Bed Reactor. , 2010, , .		0
100	Quick Startup of EGSB Reactor Seeded with Anaerobic Digestion Sludge for the Treatment of Actual Domestic Sewage under Ambient Temperature. , 2010, , .		0
101	Variation of alkalinity and regulation of interior diversion expanded granular sludge bed. , 2010, , .		0
102	Quick Startup and Performance Characteristic Research of the Micro-Aerobic EGSB Reactor Treating Actual Coking Wastewater at 25-30&#x00B0;C. <i>International Conference on Bioinformatics and Biomedical Engineering: [proceedings] International Conference on Bioinformatics and Biomedical Engineering</i> , 2010, , .	0.0	0
103	Anaerobic digestion from the viewpoint of microbiological, chemical, and operational aspects – a review. <i>Environmental Reviews</i> , 2010, 18, 255-278.	4.5	269
104	Characterization of the Mineral Fraction Associated to Extracellular Polymeric Substances (EPS) in Anaerobic Granular Sludges. <i>Environmental Science &amp; Technology</i> , 2010, 44, 412-418.	10.0	83
105	The monitoring of methane fermentation in sequencing batch bioreactor with flow-through array of miniaturized solid state electrodes. <i>Talanta</i> , 2010, 81, 1387-1392.	5.5	36
106	High-rate anaerobic treatment of domestic wastewater at ambient operating temperatures: A review on benefits and drawbacks. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2010, 45, 1169-1184.	1.7	54
107	Post treatment of up-flow anaerobic sludge blanket based sewage treatment plant effluents: A review. <i>Desalination and Water Treatment</i> , 2010, 22, 220-237.	1.0	19
108	Notice of Retraction: Anaerobic Granulation in Expanded Granular Sludge Bed (EGSB) Reactor Seeded with Digestion Sludge for Treatment of Actual Coking Wastewater. , 2011, , .		0
109	Handling and Treatment of Poultry Hatchery Waste: A Review. <i>Sustainability</i> , 2011, 3, 216-237.	3.2	39
110	Applying an electric field in a built-in zero valent iron – Anaerobic reactor for enhancement of sludge granulation. <i>Water Research</i> , 2011, 45, 1258-1266.	11.3	141
111	Quantitative and qualitative analyses of methanogenic community development in high-rate anaerobic bioreactors. <i>Water Research</i> , 2011, 45, 1298-1308.	11.3	87

#	ARTICLE	IF	CITATIONS
112	Integrated application of upflow anaerobic sludge blanket reactor for the treatment of wastewaters. Water Research, 2011, 45, 4683-4699.	11.3	136
114	Anaerobic Processes. , 2011, , 615-639.		30
115	Biomethanation and Its Potential. Methods in Enzymology, 2011, 494, 327-351.	1.0	277
116	High Throughput Phosphate Removal by the Yeast Mediated Waste Water Treatment. Journal of the Brewing Society of Japan, 2011, 106, 280-286.	0.3	0
117	How Much of an Advantage Can Anaerobic Technologies Provide?. Proceedings of the Water Environment Federation, 2011, 2011, 3737-3756.	0.0	0
118	Post-treatment of anaerobically pre-treated molasses wastewater in an aerobic granular sludge sequencing batch reactor. International Journal of Environment and Waste Management, 2011, 7, 90.	0.3	0
119	Sustainable options of post treatment of UASB effluent treating sewage: A review. Resources, Conservation and Recycling, 2011, 55, 1232-1251.	10.8	138
120	The application of zero-water discharge system in treating diffuse village wastewater and its benefits in community afforestation. Environmental Pollution, 2011, 159, 2968-2973.	7.5	9
121	Bioreactor design for continuous dark fermentative hydrogen production. Bioresource Technology, 2011, 102, 8612-8620.	9.6	172
122	Anaerobic submerged membrane bioreactor (AnSMBR) for municipal wastewater treatment under mesophilic and psychrophilic temperature conditions. Bioresource Technology, 2011, 102, 10377-10385.	9.6	216
123	Effect of temperature on low-strength wastewater treatment by UASB reactor using poly(vinyl Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 34	9.6	24
124	Cosmetic wastewater treatment by upflow anaerobic sludge blanket reactor. Journal of Hazardous Materials, 2011, 185, 1059-1065.	12.4	46
125	Influence of hydraulic retention time in a two-phase upflow anaerobic sludge blanket reactor treating textile dyeing effluent using sago effluent as the co-substrate. Environmental Science and Pollution Research, 2011, 18, 649-654.	5.3	16
126	A coupling model for EGSB bioreactors: Hydrodynamics and anaerobic digestion processes. Chemical Engineering and Processing: Process Intensification, 2011, 50, 316-324.	3.6	22
127	Fermentative hydrogen production from fresh leachate in batch and continuous bioreactors. Bioresource Technology, 2011, 102, 5411-5417.	9.6	23
128	Experiments and ANFIS modelling for the biodegradation of penicillin-G wastewater using anaerobic hybrid reactor. Bioresource Technology, 2011, 102, 5492-5497.	9.6	45
129	Coliforms removal in two UASB+ÂASP based systems. International Biodeterioration and Biodegradation, 2011, 65, 23-28.	3.9	26
130	Ultrafiltration as an advanced tertiary treatment of anaerobically digested swine manure liquid fraction: A practical and theoretical study. Journal of Membrane Science, 2011, 375, 268-275.	8.2	23



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131	The Potential of Phosphorus Removal in UASB Reactor. <i>Applied Mechanics and Materials</i> , 2011, 130-134, 3515-3517.	0.2	0
132	Combination of up-flow anaerobic sludge blanket reactor and a novel cascade sponge reactor for sewage treatment. <i>Water Science and Technology</i> , 2011, 63, 1255-1264.	2.5	1
133	Study on Cultivation and Morphology of Granular Sludge in Improved Methanogenic UASB. <i>Applied Mechanics and Materials</i> , 2012, 209-211, 1152-1157.	0.2	0
134	Anaerobic Digestion of Paper Mill Wastewater. <i>Iranica Journal of Energy &amp; Environment</i> , 2012, , .	0.4	6
135	Water-Energy Interactions in Water Reuse. <i>Water Intelligence Online</i> , 0, 11, .	0.3	40
136	Effects of increase modes of shear force on granule disruption in upflow anaerobic reactors. <i>Water Research</i> , 2012, 46, 3189-3196.	11.3	25
137	The performance enhancements of upflow anaerobic sludge blanket (UASB) reactors for domestic sludge treatment – A State-of-the-art review. <i>Water Research</i> , 2012, 46, 3434-3470.	11.3	240
138	Enrichment of denitrifying methanotrophic bacteria for application after direct low-temperature anaerobic sewage treatment. <i>Journal of Hazardous Materials</i> , 2012, 227-228, 164-171.	12.4	110
139	Effect of temperature on continuous fermentative lactic acid (LA) production and bacterial community, and development of LA-producing UASB reactor. <i>Bioresource Technology</i> , 2012, 119, 355-361.	9.6	35
140	Anaerobic treatment of municipal wastewater with a staged anaerobic fluidized membrane bioreactor (SAF-MBR) system. <i>Bioresource Technology</i> , 2012, 120, 133-139.	9.6	157
141	Enhanced activity of methanogenic granules by low-strength ultrasonication. <i>Bioresource Technology</i> , 2012, 120, 84-88.	9.6	18
142	Removal of Dyes and Pigments from Industrial Effluents. , 2012, , 65-93.		11
143	Perspectives on anaerobic membrane bioreactor treatment of domestic wastewater: A critical review. <i>Bioresource Technology</i> , 2012, 122, 149-159.	9.6	378
144	Experimental and modeling study of a two-stage pilot scale high solid anaerobic digester system. <i>Bioresource Technology</i> , 2012, 124, 8-17.	9.6	28
145	Advances in Water Treatment and Pollution Prevention. , 2012, , .		41
146	Treatment of low-strength wastewater in an anaerobic down-flow hanging sponge (AnDHS) reactor at low temperature. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2012, 47, 1803-1808.	1.7	6
147	Microbial characterization and removal of anionic surfactant in an expanded granular sludge bed reactor. <i>Bioresource Technology</i> , 2012, 107, 103-109.	9.6	48
148	Dynamic behavior and concentration distribution of granular sludge in a super-high-rate spiral anaerobic bioreactor. <i>Bioresource Technology</i> , 2012, 111, 134-140.	9.6	16

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149	Hydraulic characteristics and their effects on working performance of compartmentalized anaerobic reactor. <i>Bioresource Technology</i> , 2012, 116, 47-52.	9.6	44
150	Anaerobic Treatment of Brackishwater Aquaculture Sludge: An Alternative to Waste Stabilization Ponds. <i>Journal of the World Aquaculture Society</i> , 2012, 43, 238-248.	2.4	20
151	Formation and impact of granules in fostering clean energy production and wastewater treatment in upflow anaerobic sludge blanket (UASB) reactors. <i>Renewable and Sustainable Energy Reviews</i> , 2012, 16, 1696-1708.	16.4	139
152	Anaerobic co-digestion of fat, oil, and grease (FOG): A review of gas production and process limitations. <i>Chemical Engineering Research and Design</i> , 2012, 90, 231-245.	5.6	290
153	Anaerobic treatment of wastewater from used industrial oil recovery. <i>Journal of Chemical Technology and Biotechnology</i> , 2012, 87, 1320-1328.	3.2	18
154	Treatment of winery wastewater by electrocoagulation process. <i>Desalination and Water Treatment</i> , 2013, 51, 5421-5429.	1.0	25
155	A novel approach to realize SANI process in freshwater sewage treatment – Use of wet flue gas desulfurization waste streams as sulfur source. <i>Water Research</i> , 2013, 47, 5773-5782.	11.3	80
156	Co-digestion to support low temperature anaerobic pretreatment of municipal sewage in a UASB – digester. <i>Bioresource Technology</i> , 2013, 148, 560-566.	9.6	52
157	Optimisation of biogas yields from anaerobic digestion by feedstock type. , 2013, , 131-165.		15
158	Biogas Production from Algae and Cyanobacteria Through Anaerobic Digestion: A Review, Analysis, and Research Needs. , 2013, , 873-975.		57
159	Energy recovery from wastewaters with high-rate anaerobic digesters. <i>Renewable and Sustainable Energy Reviews</i> , 2013, 19, 704-741.	16.4	132
160	The start-up and saline adaptation of mesophilic anaerobic sequencing batch reactor treating sludge from recirculating aquaculture systems. <i>Aquacultural Engineering</i> , 2013, 54, 9-15.	3.1	22
161	Effect of upflow velocity on the effluent membrane fouling potential in membrane coupled upflow anaerobic sludge blanket reactors. <i>Bioresource Technology</i> , 2013, 147, 285-292.	9.6	19
162	Microbial communities in an anaerobic dynamic membrane bioreactor (AnDMBR) for municipal wastewater treatment: Comparison of bulk sludge and cake layer. <i>Process Biochemistry</i> , 2013, 48, 510-516.	3.7	90
163	Manufacture of Biogas and Fertilizer from Solid Food Wastes by Means of Anaerobic Digestion. , 2013, , 121-133.		5
164	Market dynamics as a driver towards the evolution of research needs: the case of up-flow anaerobic sludge blanket seeding granules. <i>Water S A</i> , 2013, 39, .	0.4	0
165	Optimum fluidization velocity of granular sludge bed for anaerobic fluidized-bed bioreactors. <i>Journal of Chemical Technology and Biotechnology</i> , 2013, 88, 2272-2278.	3.2	6
166	Breeding of wastewater treatment yeasts having high nitrogen removal ability. <i>Journal of the Brewing Society of Japan</i> , 2013, 108, 823-829.	0.3	1

#	ARTICLE	IF	CITATIONS
167	Sewage pre-concentration for maximum recovery and reuse at decentralized level. <i>Water Science and Technology</i> , 2013, 67, 1188-1193.	2.5	35
168	Performance of UASB reactors in two stages under different HRT and OLR treating residual waters of swine farming. <i>Engenharia Agricola</i> , 2013, 33, 367-378.	0.7	2
169	Current Biotechnological Advancements on Sustainable Metal and Nutrient Removal. <i>BioMed Research International</i> , 2014, 2014, 1-3.	1.9	0
170	UASB followed by Sub-Surface Horizontal Flow Phytodepuration for the Treatment of the Sewage Generated by a Small Rural Community. <i>Sustainability</i> , 2014, 6, 6998-7012.	3.2	18
171	Flow patterns and optimization of compartments for the anaerobic baffled reactor. <i>Desalination and Water Treatment</i> , 0, , 1-8.	1.0	5
172	Characteristics, Process Parameters, and Inner Components of Anaerobic Bioreactors. <i>BioMed Research International</i> , 2014, 2014, 1-10.	1.9	71
173	Effectiveness of <i>Eichhornia crassipes</i> in nutrient removal from domestic wastewater based on its optimal growth rate. <i>Desalination and Water Treatment</i> , 0, , 1-6.	1.0	8
175	Performance assessment of different STPs based on UASB followed by aerobic post treatment systems. <i>Journal of Environmental Health Science &amp; Engineering</i> , 2014, 12, 43.	3.0	29
176	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, 1361-1368.	3.4	43
177	Treatment of domestic wastewater by an integrated anaerobic fluidized-bed membrane bioreactor under moderate to low temperature conditions. <i>Bioresource Technology</i> , 2014, 159, 193-198.	9.6	104
178	Applicability and trends of anaerobic granular sludge treatment processes. <i>Biomass and Bioenergy</i> , 2014, 60, 189-202.	5.7	161
179	Integrated anaerobic fluidized-bed membrane bioreactor for domestic wastewater treatment. <i>Chemical Engineering Journal</i> , 2014, 240, 362-368.	12.7	81
180	Multiscale hydrodynamic investigation to intensify the biogas production in upflow anaerobic reactors. <i>Bioresource Technology</i> , 2014, 155, 1-7.	9.6	28
181	A bibliometric analysis of research on upflow anaerobic sludge blanket (UASB) from 1983 to 2012. <i>Scientometrics</i> , 2014, 100, 189-202.	3.0	12
182	STUDIES ON THE DESIGN, EVALUATION, AND ENERGY CONSERVATION POTENTIAL OF A PILOT-SCALE HYBRID UASB TREATING A COMBINATION OF WASTE ACTIVATED SLUDGE AND DISTILLERY SPENT WASH. <i>Chemical Engineering Communications</i> , 2014, 201, 804-833.	2.6	4
183	Concept and application of anaerobic suspended granular sludge bed (SGSB) reactor for wastewater treatment. <i>Frontiers of Environmental Science and Engineering</i> , 2014, 8, 797-804.	6.0	3
184	Energy positive domestic wastewater treatment: the roles of anaerobic and phototrophic technologies. <i>Environmental Sciences: Processes and Impacts</i> , 2014, 16, 1204-1222.	3.5	119
185	Recovery of Freshwater from Wastewater: Upgrading Process Configurations To Maximize Energy Recovery and Minimize Residuals. <i>Environmental Science &amp; Technology</i> , 2014, 48, 8420-8432.	10.0	80

#	ARTICLE	IF	CITATIONS
186	Development of a sixth-generation down-flow hanging sponge (DHS) reactor using rigid sponge media for post-treatment of UASB treating municipal sewage. <i>Bioresource Technology</i> , 2014, 152, 93-100.	9.6	65
187	Effects of increasing organic loading rate on performance and microbial community shift of an up-flow anaerobic sludge blanket reactor treating diluted pharmaceutical wastewater. <i>Journal of Bioscience and Bioengineering</i> , 2014, 118, 284-288.	2.2	60
188	Suppression of methanogenic activity in anaerobic granular biomass for hydrogen production. <i>Journal of Chemical Technology and Biotechnology</i> , 2014, 89, 143-149.	3.2	59
189	Kinetic study of treatment of wastewater contains food preservative agent by anaerobic baffled reactor : An overview. <i>AIP Conference Proceedings</i> , 2015, , .	0.4	3
191	A septic tank&UASB combined system for domestic wastewater treatment: a pilot test. <i>Water and Environment Journal</i> , 2015, 29, 558-565.	2.2	6
192	A simple anaerobic system for onsite treatment of domestic wastewater. <i>African Journal of Environmental Science and Technology</i> , 2015, 9, 292-300.	0.6	5
193	How biogas works. , 2015, , 55-82.		1
194	Aerobic mesophilic treatment of potato industry wastewater. <i>International Journal of Water Resources and Environmental Engineering</i> , 2015, 7, 92-100.	0.5	3
195	Modifying the ADM1 Model to Predict the Operation of an Anaerobic Digester Co-digesting Municipal Sludge with Bakery Waste. <i>Environment and Pollution</i> , 2015, 4, .	0.2	7
196	Enhancement of Anaerobic Digestion to Treat Saline Sludge from Recirculating Aquaculture Systems. <i>Scientific World Journal, The</i> , 2015, 2015, 1-5.	2.1	7
197	Microbial diversity and the implications of sulfide levels in an anaerobic reactor used to remove an anionic surfactant from laundry wastewater. <i>Bioresource Technology</i> , 2015, 192, 37-45.	9.6	46
198	Impact of membrane addition for effluent extraction on the performance and sludge characteristics of upflow anaerobic sludge blanket reactors treating municipal wastewater. <i>Journal of Membrane Science</i> , 2015, 479, 95-104.	8.2	59
199	Metagenomics Shows That Low-Energy Anaerobic&Aerobic Treatment Reactors Reduce Antibiotic Resistance Gene Levels from Domestic Wastewater. <i>Environmental Science &amp; Technology</i> , 2015, 49, 2577-2584.	10.0	147
200	Refractory organic pollutants and toxicity in pulp and paper mill wastewaters. <i>Environmental Science and Pollution Research</i> , 2015, 22, 6473-6499.	5.3	111
201	Sludge profiling at varied organic loadings and performance evaluation of UASB reactor treating sewage. <i>Biosystems Engineering</i> , 2015, 131, 32-40.	4.3	20
202	Recovery and biological oxidation of dissolved methane in effluent from UASB treatment of municipal sewage using a two-stage closed downflow hanging sponge system. <i>Journal of Environmental Management</i> , 2015, 151, 200-209.	7.8	57
203	Construction and evaluation of a genetic construct for specific detection and measurement of propionate by whole&cell bacteria. <i>Biotechnology and Bioengineering</i> , 2015, 112, 280-287.	3.3	4
204	Adaptive neuro-fuzzy inference-based modeling of a full-scale expanded granular sludge bed reactor treating corn processing wastewater. <i>Journal of Intelligent and Fuzzy Systems</i> , 2015, 28, 1601-1616.	1.4	17

#	ARTICLE	IF	CITATIONS
205	Refining wastewater treatment using EGSB-BAF system. <i>Desalination and Water Treatment</i> , 2015, 53, 2808-2815.	1.0	3
206	A review on full-scale decentralized wastewater treatment systems: techno-economical approach. <i>Water Science and Technology</i> , 2015, 71, 468-478.	2.5	129
207	Effect of reactor configuration on performance during anaerobic treatment of low strength wastewater. <i>Environmental Technology (United Kingdom)</i> , 2015, 36, 2312-2318.	2.2	7
208	Effect of organic toxicants on the activity of denitrifying granular sludge. <i>Environmental Technology (United Kingdom)</i> , 2015, 36, 699-705.	2.2	8
209	Early-warning on the performance of novel high-rate anaerobic bioreactor. <i>Separation and Purification Technology</i> , 2015, 156, 103-107.	7.9	3
210	Identifying novel wastewater treatment options through optimal technology integration. <i>Water Practice and Technology</i> , 2015, 10, 496-504.	2.0	5
211	Anaerobic removal of 1-methoxy-2-propanol under ambient temperature in an EGSB reactor. <i>Bioprocess and Biosystems Engineering</i> , 2015, 38, 2137-2146.	3.4	16
212	The diverse applications of water hyacinth with main focus on sustainable energy and production for new era: An overview. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 41, 943-954.	16.4	138
213	Treatment of Wine Distillery Wastewater: A Review with Emphasis on Anaerobic Membrane Reactors. <i>South African Journal of Enology and Viticulture</i> , 2016, 28, .	0.4	14
214	Response of Anaerobic Digester Sludge for Activator Aided Rapid Composting and its Effects on Compost Quality. <i>International Journal of Waste Resources</i> , 2016, 6, .	0.2	1
215	Energy from Wastewater Treatment. , 2016, , 523-536.		10
216	Wastewater: A Potential Resource of Energy. , 2016, , 789-828.		0
217	Evaluation of treatment potential, biogas generation and sludge properties of an anaerobic claridigester. <i>Journal of Water Sanitation and Hygiene for Development</i> , 2016, 6, 23-31.	1.8	1
218	Selenium: environmental significance, pollution, and biological treatment technologies. <i>Biotechnology Advances</i> , 2016, 34, 886-907.	11.7	338
219	Optimization of Wastewater Anaerobic Digestion Using Mechanistic and Meta-heuristic Methods: Current Limitations and Future Opportunities. <i>Water Conservation Science and Engineering</i> , 2016, 1, 1-20.	1.7	31
221	Performance of Constructed Wetlands Treating Domestic Wastewater in Norway Over a Quarter of a Century – Options for Nutrient Removal and Recycling. , 2016, , 41-55.		4
222	COD capture: a feasible option towards energy self-sufficient domestic wastewater treatment. <i>Scientific Reports</i> , 2016, 6, 25054.	3.3	148
224	Performance evaluation of the sulfur-redox-reaction-activated up-flow anaerobic sludge blanket and down-flow hanging sponge anaerobic/anoxic sequencing batch reactor system for municipal sewage treatment. <i>Bioresource Technology</i> , 2016, 204, 171-176.	9.6	19

#	ARTICLE	IF	CITATIONS
225	Presence of helminth eggs in domestic wastewater and its removal at low temperature UASB reactors in Peruvian highlands. <i>Water Research</i> , 2016, 90, 286-293.	11.3	21
226	Electricity generation potential from biogas produced from organic waste in Mexico. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 54, 384-395.	16.4	54
227	Modeling and simulation of hybrid anaerobic/aerobic wastewater treatment system. <i>International Journal of Environmental Science and Technology</i> , 2016, 13, 1289-1298.	3.5	10
228	Anaerobic membrane bioreactorsâ€™ a mini review with emphasis on industrial wastewater treatment: applications, limitations and perspectives. <i>Desalination and Water Treatment</i> , 2016, 57, 19062-19076.	1.0	95
229	Anaerobic up flow fluidized bed reactor performance as a primary treatment unit in domestic wastewater treatment. <i>HBRC Journal</i> , 2016, 12, 99-105.	0.7	11
230	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.	6.1	12
231	Elemental sulfur recovery and spatial distribution of functional bacteria and expressed genes under different carbon/nitrate/sulfide loadings in up-flow anaerobic sludge blanket reactors. <i>Journal of Hazardous Materials</i> , 2017, 324, 48-53.	12.4	33
232	Modified anaerobic digestion elutriated phased treatment for the anaerobic co-digestion of sewage sludge and food wastewater. <i>Environmental Technology (United Kingdom)</i> , 2017, 38, 297-304.	2.2	3
235	Biogas Production â€¦ , 2017, , .		9
236	A new strategy to maximize organic matter valorization in municipalities: Combination of urban wastewater with kitchen food waste and its treatment with AnMBR technology. <i>Waste Management</i> , 2017, 62, 274-289.	7.4	27
237	Hydrodynamic Performance of an Expanded Granular Sludge Bed Reactor for the Removal of Organic Matter. <i>Environmental Engineering Science</i> , 2017, 34, 80-88.	1.6	3
238	Substrate inhibition and concentration control in an UASB-Anammox process. <i>Bioresource Technology</i> , 2017, 238, 263-272.	9.6	61
239	Impact of reactor configurations on the performance of a granular anaerobic membrane bioreactor for municipal wastewater treatment. <i>International Biodeterioration and Biodegradation</i> , 2017, 121, 131-138.	3.9	50
240	Methanotrophic community composition based on pmoA genes in dissolved methane recovery and biological oxidation closed downflow hanging sponge reactors. <i>Biochemical Engineering Journal</i> , 2017, 124, 138-144.	3.6	4
241	Applicability of upflow anaerobic sludge blanket and dynamic membrane-coupled process for the treatment of municipal wastewater. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 6531-6540.	3.6	30
242	Recovering hydrogen production performance of upflow anaerobic sludge blanket reactor (UASBR) fed with galactose via repeated heat treatment strategy. <i>Bioresource Technology</i> , 2017, 240, 207-213.	9.6	16
243	Anaerobic treatment of antibiotic production wastewater pretreated with enhanced hydrolysis: Simultaneous reduction of COD and ARGs. <i>Water Research</i> , 2017, 110, 211-217.	11.3	99
244	Bacterial community analysis in upflow multilayer anaerobic reactor treating highâ€solids organic wastes. <i>Biotechnology Progress</i> , 2017, 33, 1226-1234.	2.6	0

#	ARTICLE	IF	CITATIONS
245	Anaerobic treatment of tannery wastewater using ASBR for methane recovery and greenhouse gas emission mitigation. <i>Journal of Water Process Engineering</i> , 2017, 19, 231-238.	5.6	16
246	High-rate nitrification of electronic industry wastewater by using nitrifying granules. <i>Water Science and Technology</i> , 2017, 76, 3171-3180.	2.5	18
247	Evaluation of a sponge assisted-granular anaerobic membrane bioreactor (SG-AnMBR) for municipal wastewater treatment. <i>Renewable Energy</i> , 2017, 111, 620-627.	8.9	61
249	Kinetic analysis of anaerobic sequencing batch reactor for the treatment of tannery wastewater. <i>African Journal of Environmental Science and Technology</i> , 2017, 11, 339-348.	0.6	9
250	Integrated, Decentralized Wastewater Management for Resource Recovery in Rural and Peri-Urban Areas. <i>Resources</i> , 2017, 6, 22.	3.5	132
251	Novel and Conventional Technologies for Landfill Leachates Treatment: A Review. <i>Sustainability</i> , 2017, 9, 9.	3.2	127
252	Removal of Toxic Component of Wastewater by Anaerobic Processes. , 2017, , 443-467.		4
253	Recent developments in biohythane production from household food wastes: A review. <i>Bioresource Technology</i> , 2018, 257, 311-319.	9.6	122
254	Enhancing anaerobic treatment of domestic wastewater: State of the art, innovative technologies and future perspectives. <i>Science of the Total Environment</i> , 2018, 635, 78-91.	8.0	101
255	Characterization of a new continuous gas-mixing sulfidogenic anaerobic bioreactor: Hydrodynamics and sludge granulation. <i>Water Research</i> , 2018, 135, 251-261.	11.3	18
256	Enhancement of biomass retention in an EGSB reactor used to treat 1â€methoxyâ€2â€propanol. <i>Journal of Chemical Technology and Biotechnology</i> , 2018, 93, 1044-1049.	3.2	2
257	Towards utmost bioenergy conversion efficiency of food waste: Pretreatment, co-digestion, and reactor type. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 90, 700-709.	16.4	85
258	Anaerobic Digestion as Key Technology inÂthe Bio-Based Economy. , 2018, , 1-19.		2
259	Treatment of municipal wastewater with aerobic granular sludge. <i>Critical Reviews in Environmental Science and Technology</i> , 2018, 48, 119-166.	12.8	77
260	A review of posttreatment technologies for anaerobic effluents for discharge and recycling of wastewater. <i>Critical Reviews in Environmental Science and Technology</i> , 2018, 48, 167-209.	12.8	36
261	Effects of low-strength ultrasonication on dark fermentative hydrogen production: Start-up performance and microbial community analysis. <i>Applied Energy</i> , 2018, 219, 34-41.	10.1	19
262	A combination anaerobic digestion scheme for biogas production from dairy effluentâ€CSTR and ABR, and biogas upgrading. <i>Biomass and Bioenergy</i> , 2018, 111, 241-247.	5.7	36
263	Stochastic risk assessment of water quality using advection dispersion equation and Bayesian approximation: A case study. <i>Human and Ecological Risk Assessment (HERA)</i> , 2018, 24, 567-589.	3.4	1

#	ARTICLE	IF	CITATIONS
264	Management challenges for a more decentralized treatment and reuse of domestic wastewater in metropolitan areas. <i>Journal of Water Sanitation and Hygiene for Development</i> , 2018, 8, 113-122.	1.8	18
265	High-rate anaerobic digestion of yogurt wastewater in a hybrid EGSB and fixed-bed reactor: Optimizing through response surface methodology. <i>Chemical Engineering Research and Design</i> , 2018, 113, 255-263.	5.6	21
266	Greenhouse Gas Emissions from Sewage Treatment Plants Based on Sequential Batch Reactor in Maharashtra. <i>Water Science and Technology Library</i> , 2018, , 157-164.	0.3	0
267	Performance of upflow anaerobic sludge blanket (UASB) reactor and other anaerobic reactor configurations for wastewater treatment: a comparative review and critical updates. <i>Journal of Water Supply: Research and Technology - AQUA</i> , 2018, 67, 858-884.	1.4	35
268	Statistical Expos <sup>Å</sup> of a Multiple <sup>â</sup> Compartment Anaerobic Reactor Treating Domestic Wastewater. <i>Water Environment Research</i> , 2018, 90, 530-542.	2.7	8
269	Solid-liquid anaerobic baffled reactor treating food waste. <i>MATEC Web of Conferences</i> , 2018, 156, 03042.	0.2	0
270	Treatment of industrial dyeing wastewater with a pilot-scale strengthened circulation anaerobic reactor. <i>Bioresource Technology</i> , 2018, 264, 154-162.	9.6	63
271	Post-treatment of anaerobic membrane bioreactor (AnMBR) effluent using activated carbon. <i>Bioresource Technology</i> , 2018, 266, 75-81.	9.6	20
272	EPS Glycoconjugate Profiles Shift as Adaptive Response in Anaerobic Microbial Granulation at High Salinity. <i>Frontiers in Microbiology</i> , 2018, 9, 1423.	3.5	28
273	Microbial-Based Bioremediation of Selenium and Tellurium Compounds. , 0, , .		9
274	Nutrient mineralization and organic matter reduction performance of RAS-based sludge in sequential UASB-EGSB reactors. <i>Aquacultural Engineering</i> , 2018, 83, 10-19.	3.1	70
275	Biofilm-Based Systems for Industrial Wastewater Treatment. , 2018, , 1-21.		6
276	Optimization process of organic matter removal from wastewater by using <i>Eichhornia crassipes</i> . <i>Environmental Science and Pollution Research</i> , 2018, 25, 29219-29226.	5.3	15
277	Sludge flotation, its causes and control in granular sludge upflow reactors. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 6383-6392.	3.6	25
278	Anaerobic Digestion as Key Technology in <sup>Â</sup> the Bio-based Economy. , 2019, , 361-378.		0
279	Hydrogen production from sugarcane juice in expanded granular sludge bed reactors under mesophilic conditions: The role of homoacetogenesis and lactic acid production. <i>Industrial Crops and Products</i> , 2019, 138, 111586.	5.2	31
280	Performance and working mechanism of a novel anaerobic self-flotation reactor for treating wastewater with high suspended solids. <i>Environmental Science and Pollution Research</i> , 2019, 26, 26193-26202.	5.3	7
281	Numerical optimization based on generalized extremum seeking for fast methane production by a modified ADM1. <i>Journal of Process Control</i> , 2019, 84, 56-69.	3.3	7



#	ARTICLE	IF	CITATIONS
282	Effect of substrate composition on the stability and microbial community of an anaerobic expanded granular sludge bed reactor treating printing solvent mixtures of ethanol and glycol ethers. <i>International Biodeterioration and Biodegradation</i> , 2019, 145, 104815.	3.9	6
283	System Performance and Fouling Behavior of a Hybrid Membrane Bioreactor in Municipal Wastewater Treatment Under Oxygen-Limited Condition. <i>Environmental Engineering Science</i> , 2019, 36, 1127-1137.	1.6	2
284	Treatment of synthetic wastewater and cheese whey by the anaerobic dynamic membrane bioreactor. <i>Environmental Science and Pollution Research</i> , 2019, 26, 32942-32956.	5.3	15
285	Enhanced anaerobic treatment of swine wastewater with exogenous granular sludge: Performance and mechanism. <i>Science of the Total Environment</i> , 2019, 697, 134180.	8.0	23
286	High rate domestic wastewater treatment at 15 °C using anaerobic reactors inoculated with cold-adapted sediments/soils “ shaping robust methanogenic communities. <i>Environmental Science: Water Research and Technology</i> , 2019, 5, 70-82.	2.4	26
287	Recycling nutrients contained in human excreta to agriculture: Pathways, processes, and products. <i>Critical Reviews in Environmental Science and Technology</i> , 2019, 49, 695-743.	12.8	134
288	New trends in biogas production and utilization. , 2019, , 199-223.		10
289	Customizing anaerobic digestion-coupled processes for energy-positive and sustainable treatment of municipal wastewater. <i>Renewable and Sustainable Energy Reviews</i> , 2019, 110, 132-142.	16.4	19
290	Rapid anaerobic digestion of organic solid residuals for biogas production using flocculating bacteria and membrane bioreactors “ a critical review. <i>Biofuels, Bioproducts and Biorefining</i> , 2019, 13, 1119-1132.	3.7	17
291	Cross comparative analysis of liquid phase anaerobic digestion. <i>Journal of Water Process Engineering</i> , 2019, 29, 100765.	5.6	7
293	Influence of Pre-Hydrolysis on Sewage Treatment in an Up-Flow Anaerobic Sludge BLANKET (UASB) Reactor: A Review. <i>Water (Switzerland)</i> , 2019, 11, 372.	2.7	23
294	Winery wastewater treatment: a critical overview of advanced biological processes. <i>Critical Reviews in Biotechnology</i> , 2019, 39, 489-507.	9.0	54
295	Prospects of Renewable Bioprocessing in Future Energy Systems. <i>Biofuel and Biorefinery Technologies</i> , 2019, , .	0.3	39
296	Anaerobic Digestion: Biogas Production from Agro-industrial Wastewater, Food Waste, and Biomass. <i>Biofuel and Biorefinery Technologies</i> , 2019, , 431-470.	0.3	2
297	Biohythane Production From Food Wastes. , 2019, , 347-368.		13
298	Biological wastewater treatment and bioreactor design: a review. <i>Sustainable Environment Research</i> , 2019, 29, .	4.2	67
299	Biohydrogen production using a granular sludge membrane bioreactor. <i>Fuel</i> , 2019, 241, 954-961.	6.4	40
300	Economical Analysis of Alternative Uses of Biogas Produced by an Anaerobic Digestion Plant. <i>International Journal of Environmental Research</i> , 2019, 13, 199-211.	2.3	3

#	ARTICLE	IF	CITATIONS
301	Improved Methanogenic Communities for Biogas Production. <i>Biofuel and Biorefinery Technologies</i> , 2019, , 69-98.	0.3	4
302	Evaluation of anionic surfactant removal by anaerobic degradation of commercial laundry wastewater and domestic sewage. <i>Environmental Technology (United Kingdom)</i> , 2019, 40, 988-996.	2.2	28
303	Food wastes and sewage sludge as feedstock for an urban biorefinery producing biofuels and added-value bioproducts. <i>Journal of Chemical Technology and Biotechnology</i> , 2020, 95, 328-338.	3.2	71
304	Calcium effect on microbial activity and biomass aggregation during anaerobic digestion at high salinity. <i>New Biotechnology</i> , 2020, 56, 114-122.	4.4	27
305	New insights of enhanced anaerobic degradation of refractory pollutants in coking wastewater: Role of zero-valent iron in metagenomic functions. <i>Bioresource Technology</i> , 2020, 300, 122667.	9.6	36
306	Removal of micropollutants in domestic wastewater by expanded granular sludge bed membrane bioreactor. <i>Chemical Engineering Research and Design</i> , 2020, 136, 223-233.	5.6	34
307	A plant-mediated synthesis of nanostructured hydroxyapatite for biomedical applications: a review. <i>RSC Advances</i> , 2020, 10, 40923-40939.	3.6	30
308	Slow growers possess a high pollutant removal potential through granule formation for wastewater treatment. <i>Water Cycle</i> , 2020, 1, 63-69.	4.0	3
309	Approaches in Design of Laboratory-Scale UASB Reactors. <i>Processes</i> , 2020, 8, 734.	2.8	8
310	Anaerobic-Based Water Resources Recovery Facilities: A Review. <i>Energies</i> , 2020, 13, 3662.	3.1	9
311	Nutrients Cycle within Swine Production: Generation, Characteristics, Treatment and Revaluation. , 0, , ,		1
312	Algal pathway towards meeting United Nationâ€™s sustainable development goal 6. <i>International Journal of Sustainable Development and World Ecology</i> , 2020, 27, 678-686.	5.9	17
313	Evaluation of Anaerobic Digestion of Dairy Wastewater in an Innovative Multi-Section Horizontal Flow Reactor. <i>Energies</i> , 2020, 13, 2392.	3.1	37
314	Potential Applications of Biogas Produced in Small-Scale UASB-Based Sewage Treatment Plants in Brazil. <i>Energies</i> , 2020, 13, 3356.	3.1	13
315	Flow sculpting enabled anaerobic digester for energy recovery from low-solid content waste. <i>Renewable Energy</i> , 2020, 154, 841-848.	8.9	3
316	Nitrification of anaerobic digestate using a consortium of microalgae and nitrifiers in an open photobioreactor with moving bed carriers. <i>Chemosphere</i> , 2021, 263, 127948.	8.2	15
317	Hybrid forward osmosis/membrane distillation integrated with anaerobic fluidized bed bioreactor for advanced wastewater treatment. <i>Journal of Hazardous Materials</i> , 2021, 404, 124160.	12.4	16
318	Current advances in microalgae-based treatment of high-strength wastewaters: challenges and opportunities to enhance wastewater treatment performance. <i>Reviews in Environmental Science and Biotechnology</i> , 2021, 20, 209-235.	8.1	32

#	ARTICLE	IF	CITATIONS
319	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.	6.7	7
320	Impact of solids retention time on the biological performance of an AnMBR treating lipid-rich synthetic dairy wastewater. <i>Environmental Technology (United Kingdom)</i> , 2021, 42, 597-608.	2.2	18
321	Wastewater treatment. , 2021, , 303-327.		0
322	Integrated processes and anaerobic granular sludge bioreactors for synthetic-fiber manufacturing wastewater treatment. , 2021, , 407-429.		1
323	Biofilms, filtration, microbial kinetics and mechanism of degradation: a revolutionary approach. , 2021, , 25-43.		0
324	Acidophilic methanogenesis for treatment of wastewater in food processing industries. , 2021, , 249-273.		3
325	Biological wastewater treatment plants (WWTPs) for industrial wastewater. , 2021, , 193-216.		2
326	Microbial Degradation in the Biogas Production of Value-Added Compounds. <i>Environmental and Microbial Biotechnology</i> , 2021, , 47-90.	0.7	1
327	Sustainable energy production from food wasteâ€”advanced production strategies and management in the anaerobic digestion process. , 2021, , 123-149.		0
328	Optimized Hybrid Upflow Anaerobic Sludge Blanket with Post Treatment Processes for Wastewater. <i>Current World Environment Journal</i> , 2021, 16, 282-303.	0.5	5
330	Development of UASBâ€”DHS system for anaerobically-treated tofu processing wastewater treatment under ambient temperature. <i>Environmental Technology (United Kingdom)</i> , 2021, , 1-10.	2.2	3
331	Anaerobic MBR technology for treating municipal wastewater at ambient temperatures. <i>Chemosphere</i> , 2021, 275, 129961.	8.2	20
332	Opportunities and threats of selenium supply from unconventional and low-grade ores: A critical review. <i>Resources, Conservation and Recycling</i> , 2021, 170, 105593.	10.8	12
333	Sustainable technologies for on-site domestic wastewater treatment: a review with technical approach. <i>Environment, Development and Sustainability</i> , 2022, 24, 3039-3090.	5.0	6
334	Recent technologies for nutrient removal and recovery from wastewaters: A review. <i>Chemosphere</i> , 2021, 277, 130328.	8.2	56
335	Engineered methanotrophic syntrophy in photogranule communities removes dissolved methane. <i>Water Research X</i> , 2021, 12, 100106.	6.1	19
336	Effects of reflux ratio on the anaerobic sludge and microbial social behaviors in an expanded granular sludge bed reactor: From the perspective of acyl-homoserine lactones-mediated quorum sensing. <i>Bioresource Technology</i> , 2021, 337, 125360.	9.6	23
337	Dissolved methane in anaerobic effluents: A review on sustainable strategies for optimization of energy recovery or internal process reuse. <i>Journal of Cleaner Production</i> , 2021, 317, 128359.	9.3	16

#	ARTICLE	IF	CITATIONS
338	Comparative performance of high-rate anaerobic reactors for biodegradation of soybean molasses. Environmental Technology and Innovation, 2021, 24, 101937.	6.1	2
339	Removal of emerging contaminants through bionanotechnology-Elsevier. , 2022, , 291-310.		2
340	Household discharge of chemical products and its classification based on anaerobic biodegradability. Environmental Monitoring and Assessment, 2021, 193, 39.	2.7	7
341	Anaerobic Granular Sludge and Biofilm Reactors. Advances in Biochemical Engineering/Biotechnology, 2003, 82, 35-67.	1.1	19
342	Anaerobic membrane bioreactors: Basic process design and operation. , 2020, , 25-54.		3
343	Anaerobic co-digestion of commercial laundry wastewater and domestic sewage in a pilot-scale EGSB reactor: The influence of surfactant concentration on microbial diversity. International Biodeterioration and Biodegradation, 2018, 127, 77-86.	3.9	46
347	Biofilm Reactors for Industrial Bioconversion Processes. , 2011, , 202-241.		1
348	ANAEROBIC DIGESTION OF WASTEWATER WITH HIGH SULFATE CONCENTRATION USING MICRO-AERATION AND NATURAL ZEOLITES. Brazilian Journal of Chemical Engineering, 2016, 33, 743-752.	1.3	2
349	Application of Microbial Enzymes in Industrial Waste Water Treatment. International Journal of Current Microbiology and Applied Sciences, 2017, 6, 1243-1254.	0.1	38
350	Digesti3n anaer3bica: mecanismos biotecnol3gicos en el tratamiento de aguas residuales y su aplicaci3n en la industria alimentaria. Produccion Y Limpia, 2015, 10, 142-159.	0.2	6
351	REVISI3N DE LAS EXPERIENCIAS EN EL TRATAMIENTO DE AGUAS RESIDUALES DOM3STICAS MEDIANTE REACTORES UASB EN COCHABAMBA-BOLIVIA COMPARADAS CON LAS DE LATINOAM3RICA, INDIA Y EUROPA. Investigacion & Desarrollo, 2017, 17, 83-98.	0.3	2
352	Methods to study microbial adhesion on abiotic surfaces. AIMS Bioengineering, 2015, 2, 297-309.	1.1	9
353	Lotka-Volterra pairwise modeling fails to capture diverse pairwise microbial interactions. ELife, 2017, 6, .	6.0	203
354	Assessment of Effluent Quality at Glen Valley Wastewater Treatment Plant. Journal of Applied Sciences, 2005, 5, 647-650.	0.3	8
355	Viability of the upflow anaerobic sludge process for risk management of wastewater treatment. , 2010, , 251-264.		0
356	Anaerobic Pre-treatment of Pharmaceutical Wastewater using Packed Bed Reactor. International Journal of Chemical Engineering and Applications (IJCEA), 2011, , 32-37.	0.3	6
357	Anaerobic treatment of pharmaceutical wastewater using packed bed reactor. Journal of Environmental Studies, 2011, 7, 33-40.	0.1	4
358	The Concept of Wastes to Energy Using Sugary Wastes. Hydro Nepal: Journal of Water, Energy & Environment, 0, 9, 57-62.	0.1	0

#	ARTICLE	IF	CITATIONS
359	Expanded Granular Sludge Bed (EGSB) Reactor Treating Actual Domestic Wastewater: Temperature Influence. , 2013, , .		0
360	Recent trends in anaerobic membrane bioreactor treatment of domestic wastewater. Journal of the Korean Society of Water and Wastewater, 2013, 27, 529-545.	0.3	0
361	THE EFFECT OF INFLUENT CONCENTRATION AND HYDRAULIC LOADING RATE (HLR) TO BOD AND COD REMOVAL ON ARTIFICIAL DOMESTIC WASTEWATER TREATMENT (GREY WATER) USING UASB REACTOR. International Journal of Science and Engineering, 2014, 7, .	0.1	0
362	Anaerobic Treatment of Wastewater from Used Industrial Oil Recovery. , 2015, , 3-25.		0
363	Quality Assessment of Full-Scale Municipal Wastewater Treatment Plant Consisting UASB Reactors and Polishing Ponds During its Start-Up Phase in India. Current World Environment Journal, 2016, 11, 47-55.	0.5	0
364	Evaluaci3n preliminar de pat3genos que afectan a Eleodes longicollis punctigerus Blaisdell (Coleoptera: Tenebrionidae). Revista U D C A Actualidad & Divulgaci3n Cient4fica, 2016, 19, .	0.2	1
365	Reaktor do beztlenowego oczyszczania 4ciek4w z mikrofalowym systemem ogrzewania. Gaz, Woda; Technika Sanitarna, 2017, 1, 20-24.	0.0	0
366	Bioremediation of Pharmaceutical Wastes. Advances in Environmental Engineering and Green Technologies Book Series, 2017, , 364-393.	0.4	3
367	Biofilm-Based Systems for Industrial Wastewater Treatment. , 2019, , 1767-1787.		8
368	Effects of up-flow velocity on the community of anaerobic protozoa in UASB fed with municipal sewage. Journal of Japan Society of Civil Engineers Ser G (Environmental Research), 2019, 75, III_19-III_24.	0.1	0
369	Bioremediation of Pharmaceutical Wastes. , 2020, , 1237-1266.		0
372	Aplicabilidade de sistema reator anaer3bio compartimentado seguida de filtro anaer3bio no tratamento de efluentes de suinocultura de pequeno porte. Engenharia Sanit3ria E Ambiental, 2020, 25, 451-456.	0.5	1
373	Deciphering the floatation reversibility of anammox sludge: A balance between sludge rheological intensity and external hydraulic shearing. Science of the Total Environment, 2022, 806, 151325.	8.0	3
374	BIOGAS YIELD AND PRODUCTIVENESS OF SWINE MANURE FOR DIFFERENT REACTOR CONFIGURATIONS. Engenharia Agricola, 2020, 40, 664-673.	0.7	0
375	Biological Nutrient Removal by Suspended Growth Systems. Advances in Environmental Engineering and Green Technologies Book Series, 2020, , 264-293.	0.4	0
376	Biogas Digester for Domestic Sewage Treatment. , 2020, , 69-107.		0
377	Nature-Based Units as Building Blocks for Resource Recovery Systems in Cities. Water (Switzerland), 2021, 13, 3153.	2.7	11
378	A review on upflow anaerobic sludge blanket reactor: Factors affecting performance, modification of configuration and its derivatives. Water Environment Research, 2022, 94, e1665.	2.7	12

#	ARTICLE	IF	CITATIONS
379	Design and Performance Investigation of a Solar- Powered Biological Greywater Treatment System in the Iraqi Climate. Baghdad Science Journal, 2022, 19, .	0.6	0
380	UASB Performance and Perspectives in Urban Wastewater Treatment at Sub-Mesophilic Operating Temperature. Water (Switzerland), 2022, 14, 115.	2.7	9
381	Anaerobic Treatment System: A Sustainable Clean Environment and Future Hope of Renewable Energy Production. Handbook of Environmental Chemistry, 2021, , 169-198.	0.4	0
382	Factors affecting anaerobic digestion for biogas production: a review. , 2022, , 223-233.		10
383	Anaerobic wastewater treatment for energy recovery and water reclamation. , 2022, , 95-104.		1
384	Long-Term Comparison of Pilot Uasb and Anmbr Reactors Treating Domestic Sewage at Ambient Temperatures. SSRN Electronic Journal, 0, , .	0.4	0
385	Overview of Biological Technologies for Azo Dye Removal. Sustainable Textiles, 2022, , 1-38.	0.7	1
386	Succession of founding microbiota in an anaerobic baffled bioreactor treating low-temperature raw domestic wastewater. Environmental Science: Water Research and Technology, 2022, 8, 792-806.	2.4	1
387	Continuous Co-Digestion of Agro-Industrial Mixtures in Laboratory Scale Expanded Granular Sludge Bed Reactors. Applied Sciences (Switzerland), 2022, 12, 2295.	2.5	4
388	Biogas Production: Evaluation and Possible Applications. , 0, , .		0
389	Application of Anaerobic Hybrid Filters for Sewage Treatment. Handbook of Environmental Chemistry, 2022, , 1.	0.4	0
393	Algae harvesting: Application of natural coagulants. , 2022, , 79-99.		0
394	Pharmaceutical wastewater as Emerging Contaminants (EC): Treatment technologies, impact on environment and human health. Energy Nexus, 2022, 6, 100076.	7.7	127
395	Effect of Low Temperature and Municipal Wastewater Organic Loading on Anaerobic Granule Reactor Performance. SSRN Electronic Journal, 0, , .	0.4	0
396	Effect of carbon to nitrogen ratio of food waste and short resting period on microbial accumulation during anaerobic digestion. Biomass and Bioenergy, 2022, 162, 106481.	5.7	17
397	Effect of low temperature and municipal wastewater organic loading on anaerobic granule reactor performance. Bioresource Technology, 2022, 360, 127616.	9.6	4
398	Deciphering the spatial distribution along the upflow anammox reactor: Sludge characteristics and interspecies interactions. Bioresource Technology, 2022, 361, 127748.	9.6	6
399	Effect of a micronization method on the particle-size distribution and eluted phosphate-ion concentration for methane fermentation residue sludge. Cogent Engineering, 2022, 9, .	2.2	0

#	ARTICLE	IF	CITATIONS
400	High-retention membrane bioreactors for sugarcane vinasse treatment: Opportunities for environmental impact reduction and wastewater valorization. <i>Journal of Environmental Management</i> , 2023, 329, 117001.	7.8	3
401	Start-Up Evaluation of a Full-Scale Wastewater Treatment Plant Consisting of a UASB Reactor Followed by Activated Sludge. <i>Water (Switzerland)</i> , 2022, 14, 4034.	2.7	2
402	Advantages and Limitations of Anaerobic Wastewater Treatment—Technological Basics, Development Directions, and Technological Innovations. <i>Energies</i> , 2023, 16, 83.	3.1	10
404	Methane Production from Confectionery Wastewater Treated in the Anaerobic Labyrinth-Flow Bioreactor. <i>Energies</i> , 2023, 16, 571.	3.1	2
405	Biohythane: a Potential Biofuel of the Future. <i>Applied Biochemistry and Biotechnology</i> , 0, , .	2.9	3
406	Bioremediation of chlorophenols for the production of biogas: A green alternative. , 2023, , 117-133.		0
408	Multi-chambers of pilot-scale reactor enhanced partial nitrification performance. <i>Science of the Total Environment</i> , 2023, 877, 162843.	8.0	0
411	A critical review of conventional and emerging wastewater treatment technologies. <i>Sustainable Water Resources Management</i> , 2023, 9, .	2.1	8
412	Valorization of water hyacinth: A sustainable route for bioenergy generation and other value-added products. , 2023, , 1-30.		0
414	Modelling Oxygenic Photogranules: Microbial Ecology and Process Performance. <i>SIAM Journal on Applied Mathematics</i> , 0, , S362-S391.	1.8	0
415	Enhancing Anaerobic Digestion with an UASB Reactor of the Winery Wastewater for Producing Volatile Fatty Acid Effluent Enriched in Caproic Acid. <i>Fermentation</i> , 2023, 9, 958.	3.0	0
416	Granular Sludge—State of the Art. <i>Springer Theses</i> , 2024, , 37-163.	0.1	0
417	The Application of an Upflow Anaerobic Sludge Blanket Reactor in the Treatment of Brewery and Dairy Wastewater: A Critical Review. <i>Energies</i> , 2024, 17, 1504.	3.1	0