

Rafael Borja

List of Publications by Year in descending order

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271
papers

10,148
citations

28190

55
h-index

51492

86
g-index

276
all docs

276
docs citations

276
times ranked

7933
citing authors

#	ARTICLE	IF	CITATIONS
1	Biochemical methane potential (BMP) of solid organic substrates: evaluation of anaerobic biodegradability using data from an international interlaboratory study. <i>Journal of Chemical Technology and Biotechnology</i> , 2011, 86, 1088-1098.	1.6	411
2	Anaerobic digestion of solid organic substrates in batch mode: An overview relating to methane yields and experimental procedures. <i>Renewable and Sustainable Energy Reviews</i> , 2012, 16, 861-877.	8.2	390
3	Use of the water quality index and dissolved oxygen deficit as simple indicators of watersheds pollution. <i>Ecological Indicators</i> , 2007, 7, 315-328.	2.6	376
4	Influence of inoculum to substrate ratio on the biochemical methane potential of maize in batch tests. <i>Process Biochemistry</i> , 2006, 41, 1444-1450.	1.8	232
5	Application of natural zeolites in anaerobic digestion processes: A review. <i>Applied Clay Science</i> , 2012, 58, 125-133.	2.6	202
6	Influence of organic loading rate and hydraulic retention time on the performance, stability and microbial communities of one-stage anaerobic digestion of two-phase olive mill solid residue. <i>Biochemical Engineering Journal</i> , 2008, 40, 253-261.	1.8	194
7	Influence of inoculum substrate ratio on the anaerobic digestion of sunflower oil cake in batch mode: Process stability and kinetic evaluation. <i>Chemical Engineering Journal</i> , 2009, 149, 70-77.	6.6	178
8	Heavy Metal Removal by Microalgae. <i>Bulletin of Environmental Contamination and Toxicology</i> , 1999, 62, 144-151.	1.3	148
9	Methylene blue number as useful indicator to evaluate the adsorptive capacity of granular activated carbon in batch mode: Influence of adsorbate/adsorbent mass ratio and particle size. <i>Journal of Hazardous Materials</i> , 2009, 165, 291-299.	6.5	141
10	Influence of different aerobic pretreatments on the kinetics of anaerobic digestion of olive mill wastewater. <i>Water Research</i> , 1995, 29, 489-495.	5.3	124
11	Aerobic biodegradation and detoxification of wastewaters from the olive oil industry. <i>International Biodeterioration and Biodegradation</i> , 2003, 51, 37-41.	1.9	124
12	Effect of organic loading rate on the stability, operational parameters and performance of a secondary upflow anaerobic sludge bed reactor treating piggery waste. <i>Bioresource Technology</i> , 2005, 96, 335-344.	4.8	123
13	Anaerobic treatment of palm oil mill effluent in a two-stage up-flow anaerobic sludge blanket (UASB) system. <i>Journal of Biotechnology</i> , 1996, 45, 125-135.	1.9	120
14	Assessment of a modified and optimised method for determining chemical oxygen demand of solid substrates and solutions with high suspended solid content. <i>Talanta</i> , 2008, 76, 448-453.	2.9	120
15	Enhancement of the anaerobic digestion of olive mill wastewater by the removal of phenolic inhibitors. <i>Process Biochemistry</i> , 1992, 27, 231-237.	1.8	118
16	Valuable Compound Extraction, Anaerobic Digestion, and Composting: A Leading Biorefinery Approach for Agricultural Wastes. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 8451-8468.	2.4	115
17	Influence of ammonia concentration on thermophilic anaerobic digestion of cattle manure in upflow anaerobic sludge blanket (UASB) reactors. <i>Process Biochemistry</i> , 1996, 31, 477-483.	1.8	111
18	Influence of different natural zeolite concentrations on the anaerobic digestion of piggery waste. <i>Bioresource Technology</i> , 2001, 80, 37-43.	4.8	111

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19	Evaluation of the hydrolyticâ€“acidogenic step of a two-stage mesophilic anaerobic digestion process of sunflower oil cake. <i>Bioresource Technology</i> , 2009, 100, 4133-4138.	4.8	108
20	Impact of the main phenolic compounds of olive mill wastewater (OMW) on the kinetics of acetoclastic methanogenesis. <i>Process Biochemistry</i> , 1997, 32, 121-133.	1.8	107
21	Aerobicâ€“anaerobic biodegradation of beet molasses alcoholic fermentation wastewater. <i>Process Biochemistry</i> , 2003, 38, 1275-1284.	1.8	107
22	Batch mixed culture of <i>Chlorella vulgaris</i> using settled and diluted piggery waste. <i>Ecological Engineering</i> , 2006, 28, 158-165.	1.6	99
23	A helical tubular photobioreactor producing <i>Spirulina</i> in a semicontinuous mode. <i>International Biodeterioration and Biodegradation</i> , 2001, 47, 151-155.	1.9	98
24	Competitive removal of heavy metal ions from squid oil under isothermal condition by CR11 chelate ion exchanger. <i>Journal of Hazardous Materials</i> , 2017, 334, 256-266.	6.5	98
25	Application of zeolites for biological treatment processes of solid wastes and wastewaters â€“ A review. <i>Bioresource Technology</i> , 2020, 301, 122808.	4.8	93
26	Effect of hydrothermal pretreatment of sunflower oil cake on biomethane potential focusing on fibre composition. <i>Bioresource Technology</i> , 2012, 123, 424-429.	4.8	88
27	Effect of substrate concentration and temperature on the anaerobic digestion of piggery waste in a tropical climate. <i>Process Biochemistry</i> , 2001, 37, 483-489.	1.8	85
28	Real evidence about zeolite as microorganisms immobilizer in anaerobic fluidized bed reactors. <i>Process Biochemistry</i> , 2007, 42, 721-728.	1.8	82
29	Anaerobic digestion of palm oil mill effluent using an up-flow anaerobic sludge blanket reactor. <i>Biomass and Bioenergy</i> , 1994, 6, 381-389.	2.9	81
30	A study of anaerobic digestibility of two-phases olive mill solid waste (OMSW) at mesophilic temperature. <i>Process Biochemistry</i> , 2002, 38, 733-742.	1.8	80
31	Treatment technologies of liquid and solid wastes from two-phase olive oil mills. <i>Grasas Y Aceites</i> , 2006, 57, .	0.3	77
32	Performance and microbial communities of a continuous stirred tank anaerobic reactor treating two-phases olive mill solid wastes at low organic loading rates. <i>Journal of Biotechnology</i> , 2006, 121, 534-543.	1.9	76
33	Enhancement of the anaerobic digestion of wine distillery wastewater by the removal of phenolic inhibitors. <i>Bioresource Technology</i> , 1993, 45, 99-104.	4.8	75
34	Ammonia removal from anaerobically treated piggery manure by ion exchange in columns packed with homoionic zeolite. <i>Chemical Engineering Journal</i> , 1997, 66, 65-71.	6.6	74
35	Effect of temperature and pH on the kinetics of methane production, organic nitrogen and phosphorus removal in the batch anaerobic digestion process of cattle manure. <i>Bioprocess and Biosystems Engineering</i> , 2000, 22, 0247-0252.	1.7	74
36	Heavy metals removal from acid mine drainage water using biogenic hydrogen sulphide and effluent from anaerobic treatment: Effect of pH. <i>Journal of Hazardous Materials</i> , 2009, 165, 759-765.	6.5	74

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37	Kinetics of phosphorus removal and struvite formation by the utilization of by-product of magnesium oxide production. <i>Chemical Engineering Journal</i> , 2005, 111, 45-52.	6.6	73
38	Response of an anaerobic fluidized bed reactor treating ice-cream wastewater to organic, hydraulic, temperature and pH shocks. <i>Journal of Biotechnology</i> , 1995, 39, 251-259.	1.9	72
39	Mesophilic anaerobic co-digestion of the organic fraction of municipal solid waste with the liquid fraction from hydrothermal carbonization of sewage sludge. <i>Waste Management</i> , 2018, 76, 315-322.	3.7	72
40	Comparison of an Anaerobic Filter and an Anaerobic Fluidized Bed Reactor Treating Palm Oil Mill Effluent. <i>Process Biochemistry</i> , 1995, 30, 511-521.	1.8	71
41	Effect of particle size and doses of zeolite addition on anaerobic digestion processes of synthetic and piggy wastes. <i>Process Biochemistry</i> , 2005, 40, 1475-1481.	1.8	68
42	Preliminary trials of in situ ammonia stripping from source segregated domestic food waste digestate using biogas: Effect of temperature and flow rate. <i>Bioresource Technology</i> , 2010, 101, 9486-9492.	4.8	67
43	Assessment of two-phase olive mill solid waste and microalgae co-digestion to improve methane production and process kinetics. <i>Bioresource Technology</i> , 2014, 157, 263-269.	4.8	67
44	Biochemical methane potential of two-phase olive mill solid waste: Influence of thermal pretreatment on the process kinetics. <i>Bioresource Technology</i> , 2013, 140, 249-255.	4.8	65
45	Kinetics of methane production from olive mill wastewater. <i>Process Biochemistry</i> , 1991, 26, 101-107.	1.8	64
46	BIOALGA reactor: preliminary studies for heavy metals removal. <i>Biochemical Engineering Journal</i> , 2002, 12, 87-91.	1.8	64
47	Influence of particle size and chemical composition on the performance and kinetics of anaerobic digestion process of sunflower oil cake in batch mode. <i>Biochemical Engineering Journal</i> , 2011, 58-59, 162-167.	1.8	63
48	Performance evaluation of an anaerobic fluidized bed reactor with natural zeolite as support material when treating high-strength distillery wastewater. <i>Renewable Energy</i> , 2008, 33, 2458-2466.	4.3	62
49	Assessment of process control parameters in the biochemical methane potential of sunflower oil cake. <i>Biomass and Bioenergy</i> , 2008, 32, 1235-1244.	2.9	62
50	Kinetics of mesophilic anaerobic digestion of the two-phase olive mill solid waste. <i>Biochemical Engineering Journal</i> , 2003, 15, 139-145.	1.8	61
51	Effect of the organic loading rate on the performance of anaerobic acidogenic fermentation of two-phase olive mill solid residue. <i>Waste Management</i> , 2008, 28, 870-877.	3.7	60
52	Thermophilic anaerobic digestion of sewage sludge: focus on the influence of the start-up. A review. <i>Critical Reviews in Biotechnology</i> , 2013, 33, 448-460.	5.1	60
53	Influence of immobilization supports on the kinetic constants of anaerobic purification of olive mill wastewater. <i>Biological Wastes</i> , 1990, 33, 131-142.	0.3	58
54	Olive mill solid waste biorefinery: High-temperature thermal pre-treatment for phenol recovery and biomethanization. <i>Journal of Cleaner Production</i> , 2017, 148, 314-323.	4.6	58

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55	Treatment of palm oil mill effluent by upflow anaerobic filtration. <i>Journal of Chemical Technology and Biotechnology</i> , 1994, 61, 103-109.	1.6	57
56	Anaerobic co-digestion of lipid-spent microalgae with waste activated sludge and glycerol in batch mode. <i>International Biodeterioration and Biodegradation</i> , 2015, 100, 85-88.	1.9	56
57	A kinetic study of anaerobic digestion of olive mill wastewater at mesophilic and thermophilic temperatures. <i>Environmental Pollution</i> , 1995, 88, 13-18.	3.7	55
58	The Effects of the Most Important Phenolic Constituents of Olive Mill Wastewater on Batch Anaerobic Methanogenesis. <i>Environmental Technology (United Kingdom)</i> , 1996, 17, 167-174.	1.2	55
59	Mesophilic anaerobic digestion in a fluidised-bed reactor of wastewater from the production of protein isolates from chickpea flour. <i>Process Biochemistry</i> , 2004, 39, 1913-1921.	1.8	55
60	Kinetic modelling of the hydrolysis, acidogenic and methanogenic steps in the anaerobic digestion of two-phase olive pomace (TPOP). <i>Process Biochemistry</i> , 2005, 40, 1841-1847.	1.8	55
61	Anaerobic digestion of slaughterhouse wastewater using a combination sludge blanket and filter arrangement in a single reactor. <i>Bioresource Technology</i> , 1998, 65, 125-133.	4.8	54
62	Evaluation of municipal wastewater treatment plants with different technologies at Las Rozas, Madrid (Spain). <i>Journal of Environmental Management</i> , 2006, 81, 399-404.	3.8	54
63	Anaerobic biodegradation of two-phase olive mill solid wastes and liquid effluents: kinetic studies and process performance. <i>Journal of Chemical Technology and Biotechnology</i> , 2006, 81, 1450-1462.	1.6	54
64	Removal of phosphorus through struvite precipitation using a by-product of magnesium oxide production (BMP): Effect of the mode of BMP preparation. <i>Chemical Engineering Journal</i> , 2008, 136, 204-209.	6.6	54
65	Kinetic study of the anaerobic digestion of vinasse pretreated with ozone, ozone plus ultraviolet light, and ozone plus ultraviolet light in the presence of titanium dioxide. <i>Process Biochemistry</i> , 2002, 37, 699-706.	1.8	53
66	A comparative kinetic evaluation of the anaerobic digestion of untreated molasses and molasses previously fermented with <i>Penicillium decumbens</i> in batch reactors. <i>Biochemical Engineering Journal</i> , 2004, 18, 121-132.	1.8	53
67	Comparative effect of different aerobic pretreatments on the kinetics and macroenergetic parameters of anaerobic digestion of olive mill wastewater in continuous mode. <i>Bioprocess and Biosystems Engineering</i> , 1998, 18, 127.	0.5	51
68	Performance and kinetic evaluation of the anaerobic digestion of two-phase olive mill effluents in reactors with suspended and immobilized biomass. <i>Water Research</i> , 2004, 38, 2017-2026.	5.3	49
69	Evaluation of the methanogenic step of a two-stage anaerobic digestion process of acidified olive mill solid residue from a previous hydrolytic/acidogenic step. <i>Waste Management</i> , 2009, 29, 2566-2573.	3.7	48
70	Effect of organic loading rate on anaerobic treatment of slaughterhouse wastewater in a fluidised-bed reactor. <i>Bioresource Technology</i> , 1995, 52, 157-162.	4.8	46
71	Anaerobic treatment of synthetic medium-strength wastewater using a multistage biofilm reactor. <i>Bioresource Technology</i> , 2009, 100, 1740-1745.	4.8	46
72	Effect of natural and modified zeolite addition on anaerobic digestion of piggery waste. <i>Water Science and Technology</i> , 2003, 48, 263-269.	1.2	44

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73	Kinetic analysis of the anaerobic digestion of untreated vinasses and vinasses previously treated with <i>Penicillium decumbens</i> . <i>Journal of Environmental Management</i> , 2006, 80, 303-310.	3.8	43
74	Advances in the biological removal of sulphides from aqueous phase in anaerobic processes: A review. <i>Environmental Reviews</i> , 2016, 24, 84-100.	2.1	43
75	Kinetic study of anaerobic digestion of wine distillery wastewater. <i>Process Biochemistry</i> , 1993, 28, 83-90.	1.8	42
76	Piggery waste treatment by anaerobic digestion and nutrient removal by ionic exchange. <i>Resources, Conservation and Recycling</i> , 1995, 15, 235-244.	5.3	42
77	Anaerobic digestion of wash waters derived from the purification of virgin olive oil using a hybrid reactor combining a filter and a sludge blanket. <i>Process Biochemistry</i> , 1996, 31, 219-224.	1.8	41
78	Study and optimisation of the anaerobic acidogenic fermentation of two-phase olive pomace. <i>Process Biochemistry</i> , 2005, 40, 281-291.	1.8	40
79	Treatment of screened dairy manure by upflow anaerobic fixed bed reactors packed with waste tyre rubber and a combination of waste tyre rubber and zeolite: Effect of the hydraulic retention time. <i>Bioresource Technology</i> , 2008, 99, 7412-7417.	4.8	39
80	Influence of organic volumetric loading rate, nutrient balance and alkalinity: COD ratio on the anaerobic sludge granulation of an UASB reactor treating sugar cane molasses. <i>International Biodeterioration and Biodegradation</i> , 1998, 41, 127-131.	1.9	38
81	Performance evaluation of a mesophilic anaerobic fluidized-bed reactor treating wastewater derived from the production of proteins from extracted sunflower flour. <i>Bioresource Technology</i> , 2001, 76, 45-52.	4.8	38
82	Kinetic study of an anaerobic fluidized bed system used for the purification of fermented olive mill wastewater. <i>Journal of Chemical Technology and Biotechnology</i> , 1993, 56, 155-162.	1.6	37
83	A study of the natural biodegradation of two-phase olive mill solid waste during its storage in an evaporation pond. <i>Waste Management</i> , 2006, 26, 477-486.	3.7	36
84	Kinetic study of anaerobic digestion of olive mill wastewater previously fermented with <i>Aspergillus terreus</i> . <i>Process Biochemistry</i> , 1993, 28, 397-404.	1.8	34
85	First international comparative study of volatile fatty acids in aqueous samples by chromatographic techniques: Evaluating sources of error. <i>TrAC - Trends in Analytical Chemistry</i> , 2013, 51, 127-143.	5.8	34
86	Predictive regression models for biochemical methane potential tests of biomass samples: Pitfalls and challenges of laboratory measurements. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 127, 109890.	8.2	34
87	Anaerobic digestion of black-olive wastewater. <i>Bioresource Technology</i> , 1993, 45, 27-32.	4.8	33
88	Removal of copper from industrial wastewater by raw charcoal obtained from reeds. <i>Journal of Chemical Technology and Biotechnology</i> , 1995, 64, 153-156.	1.6	33
89	Performance of a hybrid anaerobic reactor, combining a sludge blanket and a filter, treating slaughterhouse wastewater. <i>Applied Microbiology and Biotechnology</i> , 1995, 43, 351-357.	1.7	33
90	Batch anaerobic co-digestion of waste activated sludge and microalgae (<i>Chlorella sorokiniana</i>) at mesophilic temperature. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2016, 51, 847-850.	0.9	33

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91	Use of solid residue from thermal power plant (fly ash) for enhancing sewage sludge anaerobic digestion: Influence of fly ash particle size. <i>Bioresource Technology</i> , 2017, 244, 416-422.	4.8	33
92	Performance evaluation and substrate removal kinetics in the semi-continuous anaerobic digestion of thermally pretreated two-phase olive pomace or "Alperujo". <i>Chemical Engineering Research and Design</i> , 2017, 105, 288-296.	2.7	33
93	Thermodynamic properties of water + normal alcohols and vapor-liquid equilibria for binary systems of methanol or 2-propanol with water. <i>Fluid Phase Equilibria</i> , 1997, 127, 181-190.	1.4	32
94	Low-strength wastewater treatment by a multistage anaerobic filter packed with waste tyre rubber. <i>Bioresource Technology</i> , 1999, 70, 55-60.	4.8	32
95	Coliform concentration reduction and related performance evaluation of a down-flow anaerobic fixed bed reactor treating low-strength saline wastewater. <i>Bioresource Technology</i> , 2004, 94, 119-127.	4.8	32
96	Use of natural zeolite at different doses and dosage procedures in batch and continuous anaerobic digestion of synthetic and swine wastes. <i>Resources, Conservation and Recycling</i> , 2006, 47, 26-41.	5.3	32
97	Impact of ultrasonic pretreatment under different operational conditions on the mesophilic anaerobic digestion of sunflower oil cake in batch mode. <i>Ultrasonics Sonochemistry</i> , 2012, 19, 1003-1010.	3.8	32
98	Influence of a steam-explosion pre-treatment on the methane yield and kinetics of anaerobic digestion of two-phase olive mill solid waste or alperujo. <i>Chemical Engineering Research and Design</i> , 2016, 102, 361-369.	2.7	31
99	Treatment of piggery waste by anaerobic fixed bed reactor and zeolite bed filter in a tropical climate: a pilot scale study. <i>Process Biochemistry</i> , 2002, 38, 405-409.	1.8	29
100	ASSESSMENT OF A MICROALGAE POND FOR POST-TREATMENT OF THE EFFLUENT FROM AN ANAEROBIC FIXED BED REACTOR TREATING DISTILLERY WASTEWATER. <i>Environmental Technology (United Kingdom)</i> , 2008, 29, 985-992.	1.2	29
101	Assessment of a UASB reactor with high ammonia concentrations: Effect of zeolite addition on process performance. <i>Process Biochemistry</i> , 2014, 49, 2220-2227.	1.8	29
102	Biomethanization of olive mill solid waste after phenols recovery through low-temperature thermal pre-treatment. <i>Waste Management</i> , 2017, 61, 229-235.	3.7	29
103	Increase in biogas production in anaerobic sludge digestion by combining aerobic hydrolysis and addition of metallic wastes. <i>Renewable Energy</i> , 2018, 123, 541-548.	4.3	29
104	Thermally-treated strawberry extrudate: A rich source of antioxidant phenols and sugars. <i>Innovative Food Science and Emerging Technologies</i> , 2019, 51, 186-193.	2.7	29
105	Comparative study of anaerobic digestion of olive mill wastewater (OMW) and OMW previously fermented with <i>Aspergillus terreus</i> . <i>Bioprocess and Biosystems Engineering</i> , 1995, 13, 317-322.	0.5	28
106	Effect of the clay mineral zeolite on ammonia inhibition of anaerobic thermophilic reactors treating cattle manure. <i>Journal of Environmental Science and Health Part A: Environmental Science and Engineering</i> , 1996, 31, 479-500.	0.1	28
107	Anaerobic Digestion of Wastewater Derived from the Pressing of Orange Peel Generated in Orange Juice Production. <i>Journal of Agricultural and Food Chemistry</i> , 2007, 55, 1905-1914.	2.4	28
108	Kinetic modelling and performance prediction of a hybrid anaerobic baffled reactor treating synthetic wastewater at mesophilic temperature. <i>Process Biochemistry</i> , 2010, 45, 1616-1623.	1.8	28

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109	The impact of ammonia nitrogen concentration and zeolite addition on the specific methanogenic activity of granular and flocculent anaerobic sludges. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2010, 45, 883-889.	0.9	28
110	Effect of cobalt supplementation and fractionation on the biological response in the biomethanization of Olive Mill Solid Waste. <i>Bioresource Technology</i> , 2016, 211, 58-64.	4.8	28
111	Kinetic Analysis of the Psychrophilic Anaerobic Digestion of Wastewater Derived from the Production of Proteins from Extracted Sunflower Flour. <i>Journal of Agricultural and Food Chemistry</i> , 2002, 50, 4628-4633.	2.4	27
112	Assessment of kinetic parameters for the mesophilic anaerobic biodegradation of two-phase olive pomace. <i>International Biodeterioration and Biodegradation</i> , 2004, 53, 71-78.	1.9	27
113	Effect of influent substrate concentration and hydraulic retention time on the performance of down-flow anaerobic fixed bed reactors treating piggyery wastewater in a tropical climate. <i>Process Biochemistry</i> , 2005, 40, 817-829.	1.8	27
114	Mathematical modelling of aerobic degradation of vinasses with <i>Penicillium decumbens</i> . <i>Process Biochemistry</i> , 2005, 40, 2805-2811.	1.8	26
115	Kinetic modelling of the anaerobic digestion of wastewater derived from the pressing of orange rind produced in orange juice manufacturing. <i>Chemical Engineering Journal</i> , 2008, 140, 145-156.	6.6	26
116	Phenols recovery after steam explosion of Olive Mill Solid Waste and its influence on a subsequent biomethanization process. <i>Bioresource Technology</i> , 2017, 243, 169-178.	4.8	26
117	Kinetics of methane production from palm oil mill effluent in an immobilised cell bioreactor using saponite as support medium. <i>Bioresource Technology</i> , 1994, 48, 209-214.	4.8	25
118	Nitrogen and phosphorus removal using a novel integrated system of natural zeolite and lime. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2011, 46, 1385-1391.	0.9	25
119	Harmonization of the quantitative determination of volatile fatty acids profile in aqueous matrix samples by direct injection using gas chromatography and high-performance liquid chromatography techniques: Multi-laboratory validation study. <i>Journal of Chromatography A</i> , 2015, 1413, 94-106.	1.8	25
120	Anaerobic co-digestion of olive mill solid waste and microalga <i>Scenedesmus quadricauda</i> : effect of different carbon to nitrogen ratios on process performance and kinetics. <i>Journal of Applied Phycology</i> , 2019, 31, 3583-3591.	1.5	25
121	Influence of phenols and furans released during thermal pretreatment of olive mill solid waste on its anaerobic digestion. <i>Waste Management</i> , 2021, 120, 202-208.	3.7	25
122	Kinetics of black-olive wastewater treatment by the activated-sludge system. <i>Process Biochemistry</i> , 1994, 29, 587-593.	1.8	24
123	Kinetics for Substrate Utilization and Methane Production during the Mesophilic Anaerobic Digestion of Two Phases Olive Pomace (TPOP). <i>Journal of Agricultural and Food Chemistry</i> , 2003, 51, 3390-3395.	2.4	24
124	Quality improvement in determination of chemical oxygen demand in samples considered difficult to analyze, through participation in proficiency-testing schemes. <i>TrAC - Trends in Analytical Chemistry</i> , 2010, 29, 1082-1091.	5.8	24
125	Extraction of phenolic compounds and production of biomethane from strawberry and raspberry extrudates. <i>Biochemical Engineering Journal</i> , 2019, 147, 11-19.	1.8	24
126	Comparison of anaerobic filter and anaerobic contact process for olive mill wastewater previously fermented with <i>Geotrichum candidum</i> . <i>Process Biochemistry</i> , 1994, 29, 139-144.	1.8	23

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127	Kinetics of an upflow anaerobic sludge blanket reactor treating ice cream wastewater. <i>Environmental Technology (United Kingdom)</i> , 1994, 15, 219-232.	1.2	23
128	THE REMOVAL OF BACTERIA BY MODIFIED NATURAL ZEOLITES. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2001, 36, 1073-1087.	0.9	23
129	Effect of organic loading rate on the anaerobic digestion of swine waste with biochar addition. <i>Environmental Science and Pollution Research</i> , 2021, 28, 38455-38465.	2.7	23
130	Influencia de la velocidad de carga orgánica sobre el proceso de digestión anaerobia de aguas de lavado de aceitunas de almazara en reactores de lecho fluidizado. <i>Grasas Y Aceites</i> , 1998, 49, 42-49.	0.3	23
131	Kinetic model for substrate utilization and methane production during the anaerobic digestion of olive mill wastewater and condensation water waste. <i>Journal of Chemical Technology and Biotechnology</i> , 1994, 60, 7-16.	1.6	22
132	The effect of organic loading rate on the anaerobic digestion of two-phase olive mill solid residue derived from fruits with low ripening index. <i>Journal of Chemical Technology and Biotechnology</i> , 2007, 82, 259-266.	1.6	22
133	Performance evaluation of mesophilic semi-continuous anaerobic digestion of high-temperature thermally pre-treated olive mill solid waste. <i>Waste Management</i> , 2019, 87, 250-257.	3.7	22
134	An interlaboratory study as useful tool for proficiency testing of chemical oxygen demand measurements using solid substrates and liquid samples with high suspended solid content. <i>Talanta</i> , 2009, 80, 329-337.	2.9	21
135	Kinetic evaluation of the psychrophilic anaerobic digestion of synthetic domestic sewage using an upflow filter. <i>Bioresource Technology</i> , 2010, 101, 131-137.	4.8	21
136	Influence of heavy metal supplementation on specific methanogenic activity and microbial communities detected in batch anaerobic digesters. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2010, 45, 1307-1314.	0.9	21
137	Microbial community dynamics in the two-stage anaerobic digestion process of two-phase olive mill residue. <i>International Journal of Environmental Science and Technology</i> , 2013, 10, 635-644.	1.8	21
138	Influence of the cell wall of <i>Chlamydomonas reinhardtii</i> on anaerobic digestion yield and on its anaerobic co-digestion with a carbon-rich substrate. <i>Chemical Engineering Research and Design</i> , 2019, 128, 167-175.	2.7	21
139	Determination of the kinetic constants of anaerobic digestion of sugar-mill-mud waste (SMMW). <i>Bioresource Technology</i> , 1996, 56, 245-249.	4.8	20
140	Production of Biomass (Algae-Bacteria) by Using a Mixture of Settled Swine and Sewage as Substrate. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2006, 41, 415-429.	0.9	20
141	Kinetic evaluation and performance of pilot-scale fed-batch aerated lagoons treating winery wastewaters. <i>Bioresource Technology</i> , 2010, 101, 3452-3456.	4.8	20
142	Influence of the support on the kinetics of anaerobic purification of slaughterhouse wastewater. <i>Bioresource Technology</i> , 1993, 44, 57-60.	4.8	19
143	Kinetic behaviour of waste tyre rubber as microorganism support in an anaerobic digester treating cane molasses distillery slops. <i>Bioprocess and Biosystems Engineering</i> , 1996, 16, 17.	0.5	19
144	Kinetics of anaerobic degradation of screened dairy manure by upflow fixed bed digesters: Effect of natural zeolite addition. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2009, 44, 146-154.	0.9	19

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145	Simultaneous nitrification and denitrification of wastewater: effect of zeolite as a support in sequential batch reactor with step-feed strategy. <i>International Journal of Environmental Science and Technology</i> , 2016, 13, 2325-2338.	1.8	19
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