

Rafael Borja

List of Publications by Year in descending order

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271
papers

10,148
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28190

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all docs

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docs citations

276
times ranked

7933
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation of batch mesophilic anaerobic digestion of raw and trampled llama and dromedary dung: methane potential and kinetic study. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 17165-17173.	2.9	2
2	Evaluation and modelling of methane production from corn stover pretreated with various physicochemical techniques. <i>Waste Management and Research</i> , 2022, 40, 698-705.	2.2	2
3	Assessment of different mechanical treatments for improving the anaerobic biodegradability of residual raspberry extrudate. <i>Waste Management</i> , 2022, 139, 190-198.	3.7	4
4	Effect of different digestates derived from anaerobic co-digestion of olive mill solid waste (omsw) and various microalgae as fertilizers for the cultivation of ryegrass. <i>Plant and Soil</i> , 2022, 475, 331-342.	1.8	3
5	Integral Valorization of Two-Phase Olive Mill Solid Waste (OMSW) and Related Washing Waters by Anaerobic Co-digestion of OMSW and the Microalga <i>Raphidocelis subcapitata</i> Cultivated in These Effluents. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 3219-3227.	2.4	8
6	Combining vegetable oils and bioactive compounds via inverse vulcanization for antioxidant and antimicrobial materials. <i>Polymer Testing</i> , 2022, 109, 107546.	2.3	10
7	Promising Chalcogenide Hybrid Copolymers for Sustainable Applications as Bio-lubricants and Metal Adsorbents. <i>ACS Applied Polymer Materials</i> , 2022, 4, 3667-3675.	2.0	6
8	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
9	Evolution of control parameters in biochemical methane potential tests of olive mill solid waste (OMSW), thermal pre-treated OMSW, and its co-digestion with <i>Dunaliella salina</i> . <i>Journal of Applied Phycology</i> , 2021, 33, 419-429.	1.5	8
10	Energy recovery as added value from food and agricultural solid wastes. , 2021, , 151-174.		2
11	Batch mesophilic anaerobic co-digestion of spent goat batch mesophilic anaerobic co-digestion of spent goat straw bedding and goat cheese whey: Comparison with the mono-digestion of the two sole substrates. <i>Journal of Environmental Management</i> , 2021, 280, 111733.	3.8	17
12	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
13	Comparative effect of biochar and activated carbon addition on the mesophilic anaerobic digestion of piggery waste in batch mode. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2021, 56, 946-952.	0.9	4
14	Enhancing methane production from the invasive macroalga <i>Rugulopteryx okamurae</i> through anaerobic co-digestion with olive mill solid waste: process performance and kinetic analysis. <i>Journal of Applied Phycology</i> , 2021, 33, 4113-4124.	1.5	16
15	Reuse of the digestate obtained from the biomethanization of olive mill solid waste (OMSW) as soil amendment or fertilizer for the cultivation of forage grass (<i>Lolium rigidum</i> var. <i>Wimmera</i>). <i>Science of the Total Environment</i> , 2021, 792, 148465.	3.9	15
16	Coupling of Anaerobic Digestion and Struvite Precipitation in the Same Reactor: Effect of Zeolite and Bischofite as Mg ²⁺ Source. <i>Frontiers in Environmental Science</i> , 2021, 9, .	1.5	3
17	Assessment of simultaneous autotrophic "heterotrophic denitrification with high removal of nitrogen, sulfur and carbon: optimization through response surface methodology. <i>Journal of Chemical Technology and Biotechnology</i> , 2020, 95, 631-638.	1.6	2
18	Modeling of the effect of zeolite concentration on the biological nitrification process in the presence of sulfide and organic matter. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2020, 56, 1-12.	0.9	1

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19	Solubilization of Phenols and Sugars from Raspberry Extrudate by Hydrothermal Treatments. Processes, 2020, 8, 842.	1.3	8
20	High-Value-Added Compound Recovery with High-Temperature Hydrothermal Treatment and Steam Explosion, and Subsequent Biomethanization of Residual Strawberry Extrudate. Foods, 2020, 9, 1082.	1.9	13
21	Mesophilic Semi-Continuous Anaerobic Digestion of Strawberry Extrudate Pretreated with Steam Explosion. Foods, 2020, 9, 1887.	1.9	5
22	Study of Catalysts's Influence on Photocatalysis/Photodegradation of Olive Oil Mill Wastewater. Determination of the Optimum Working Conditions. Catalysts, 2020, 10, 554.	1.6	4
23	Impact of soft hydrothermal pre-treatments on the olive mill solid waste characteristics and its subsequent anaerobic digestion. Biomass Conversion and Biorefinery, 2020, , 1.	2.9	8
24	Application of zeolites for biological treatment processes of solid wastes and wastewaters – A review. Bioresource Technology, 2020, 301, 122808.	4.8	93
25	Sustainable energy for a winery through biogas production and its utilization: A Chilean case study. Sustainable Energy Technologies and Assessments, 2020, 37, 100640.	1.7	8
26	Predictive regression models for biochemical methane potential tests of biomass samples: Pitfalls and challenges of laboratory measurements. Renewable and Sustainable Energy Reviews, 2020, 127, 109890.	8.2	34
27	Thermally-treated strawberry extrudate: A rich source of antioxidant phenols and sugars. Innovative Food Science and Emerging Technologies, 2019, 51, 186-193.	2.7	29
28	Anaerobic co-digestion of olive mill solid waste and microalga Scenedesmus quadricauda: effect of different carbon to nitrogen ratios on process performance and kinetics. Journal of Applied Phycology, 2019, 31, 3583-3591.	1.5	25
29	Long-Term Evaluation of Mesophilic Semi-Continuous Anaerobic Digestion of Olive Mill Solid Waste Pretreated with Steam-Explosion. Energies, 2019, 12, 2222.	1.6	13
30	A new and simple kinetic model for assessing the dynamic behavior and simulating the biochemical methane potential (BMP) of sewage sludge in the presence of fly ash. Journal of Chemical Technology and Biotechnology, 2019, 94, 1509-1519.	1.6	2
31	Anaerobic digestion of wastewater rich in sulfate and sulfide: effects of metallic waste addition and micro-aeration on process performance and methane production. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2019, 54, 1035-1043.	0.9	7
32	Influence of the cell wall of Chlamydomonas reinhardtii on anaerobic digestion yield and on its anaerobic co-digestion with a carbon-rich substrate. Chemical Engineering Research and Design, 2019, 128, 167-175.	2.7	21
33	Extraction of phenolic compounds and production of biomethane from strawberry and raspberry extrudates. Biochemical Engineering Journal, 2019, 147, 11-19.	1.8	24
34	Performance evaluation of mesophilic semi-continuous anaerobic digestion of high-temperature thermally pre-treated olive mill solid waste. Waste Management, 2019, 87, 250-257.	3.7	22
35	Fly ash as stimulant for anaerobic digestion: effect over hydrolytic stage and methane generation rate. Water Science and Technology, 2019, 80, 1384-1391.	1.2	12
36	Effects of barium on the pathways of anaerobic digestion. Journal of Environmental Management, 2019, 232, 397-403.	3.8	7

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37	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
38	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
39	Biological removal of gaseous sulfur dioxide through the reduction to hydrogen sulfide by means of <i>Desulfovibrio desulfuricans</i> . <i>International Biodeterioration and Biodegradation</i> , 2018, 126, 21-27.	1.9	7
40	The Influence of Microalgae Addition as Co-Substrate in Anaerobic Digestion Processes. , 2018, , .		2
41	Anaerobic Co-digestion of the Organic Fraction of Municipal Solid Waste and the Liquid Fraction From the Hydrothermal Carbonization of Industrial Sewage Sludge Under Thermophilic Conditions. <i>Frontiers in Sustainable Food Systems</i> , 2018, 2, .	1.8	13
42	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
43	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
44	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
45	Biogas Production â€¦. , 2017, , .		9
46	Risks of using EDTA as an agent for trace metals dosing in anaerobic digestion of olive mill solid waste. <i>Environmental Technology (United Kingdom)</i> , 2017, 38, 3137-3144.	1.2	7
47	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
48	Sequential adaptation of <i>Nannochloropsis gaditana</i> to table olive processing water. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2017, 52, 986-991.	0.9	7
49	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
50	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
51	Performance evaluation and substrate removal kinetics in the semi-continuous anaerobic digestion of thermally pretreated two-phase olive pomace or â€œAlperujoâ€. <i>Chemical Engineering Research and Design</i> , 2017, 105, 288-296.	2.7	33
52	Suitability of olive oil washing water as an electron donor in a feed batch operating bio-electrochemical system. <i>Grasas Y Aceites</i> , 2017, 68, 198.	0.3	1
53	Performance evaluation of micro-aerobic hydrolysis of mixed sludge: Optimum aeration and effect on its biochemical methane potential. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2016, 51, 1269-1277.	0.9	9
54	Screening of biomethane production potential from dominant microalgae. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2016, 51, 1062-1067.	0.9	10

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55	Simultaneous nitrification–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
56	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
57	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
58	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
59	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
60	Culture of microalgae biomass for valorization of table olive processing water. <i>Grasas Y Aceites</i> , 2016, 67, e146.	0.3	1
61	Impact of microwave pre-treatment on the batch anaerobic digestion of two-phase olive mill solid residue: a kinetic approach. <i>Grasas Y Aceites</i> , 2016, 67, 165.	0.3	2
62	Autotrophic and heterotrophic denitrification for simultaneous removal of nitrogen, sulfur and organic matter. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2016, 51, 650-5.	0.9	0
63	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
64	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
65	Micronutrient dynamics after thermal pretreatment of olive mill solid waste. <i>Bioresource Technology</i> , 2015, 191, 337-341.	4.8	7
66	Effect of Ultrasonic Pretreatment on Biomethane Potential of Two-Phase Olive Mill Solid Waste: Kinetic Approach and Process Performance. <i>Scientific World Journal</i> , The, 2014, 2014, 1-9.	0.8	15
67	Improvement in nitrification through the use of natural zeolite: influence of the biomass concentration and inoculum source. <i>International Journal of Environmental Science and Technology</i> , 2014, 11, 43-52.	1.8	14
68	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
69	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
70	Effect of dissolved oxygen and temperature on macromolecular composition and PHB storage of activated sludge. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2014, 49, 857-862.	0.9	6
71	Start-up and performance of UASB reactors using zeolite for improvement of nitrate removal process. <i>Ecological Engineering</i> , 2014, 70, 437-445.	1.6	18
72	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

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73	Total ammoniacal nitrogen biofiltration of wastewaters from aquaculture systems using <i>Macrocyctis</i> spp.. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2013, 48, 400-407.	0.9	1
74	Thermophilic anaerobic digestion of sewage sludge: focus on the influence of the start-up. A review. Critical Reviews in Biotechnology, 2013, 33, 448-460.	5.1	60
75	Anaerobic digestion of sunflower oil cake: a current overview. Water Science and Technology, 2013, 67, 410-417.	1.2	3
76	Effects of chemical and thermochemical pretreatments on sunflower oil cake in biochemical methane potential assays. Journal of Chemical Technology and Biotechnology, 2013, 88, 924-929.	1.6	15
77	Biochemical methane potential of two-phase olive mill solid waste: Influence of thermal pretreatment on the process kinetics. Bioresource Technology, 2013, 140, 249-255.	4.8	65
78	First international comparative study of volatile fatty acids in aqueous samples by chromatographic techniques: Evaluating sources of error. TrAC - Trends in Analytical Chemistry, 2013, 51, 127-143.	5.8	34
79	The effect of biogas sparging on cow manure characteristics and its subsequent anaerobic biodegradation. International Biodeterioration and Biodegradation, 2013, 83, 10-16.	1.9	16
80	Influence of the type and source of inoculum on the start-up of anammox sequencing batch reactors (SBRs). Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2013, 48, 1301-1310.	0.9	5
81	Performance and kinetic evaluation of the semi-continuous anaerobic digestion of sunflower oil cake pretreated with ultrasound. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2013, 48, 1548-1556.	0.9	3
82	Influence of the food to microorganisms (F/M) ratio and temperature on batch anaerobic digestion processes with and without zeolite addition. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2012, 47, 1785-1794.	0.9	9
83	Evaluation of natural zeolite as microorganism support medium in nitrifying batch reactors: Influence of zeolite particle size. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2012, 47, 420-427.	0.9	16
84	Modelling of the temperature-phased batch anaerobic digestion of raw sludge from an urban wastewater treatment plant. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2012, 47, 221-227.	0.9	7
85	Assessment of the anaerobic acidogenesis of wet olive cake from a two-phase olive oil mill. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2012, 47, 1439-1445.	0.9	4
86	Application of natural zeolites in anaerobic digestion processes: A review. Applied Clay Science, 2012, 58, 125-133.	2.6	202
87	Effect of hydrothermal pretreatment of sunflower oil cake on biomethane potential focusing on fibre composition. Bioresource Technology, 2012, 123, 424-429.	4.8	88
88	Anaerobic digestion of solid organic substrates in batch mode: An overview relating to methane yields and experimental procedures. Renewable and Sustainable Energy Reviews, 2012, 16, 861-877.	8.2	390
89	Impact of ultrasonic pretreatment under different operational conditions on the mesophilic anaerobic digestion of sunflower oil cake in batch mode. Ultrasonics Sonochemistry, 2012, 19, 1003-1010.	3.8	32
90	Comparison of two mathematical models for correlating the organic matter removal efficiency with hydraulic retention time in a hybrid anaerobic baffled reactor treating molasses. Bioprocess and Biosystems Engineering, 2012, 35, 389-397.	1.7	6

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91	Nitrogen and phosphorus removal using a novel integrated system of natural zeolite and lime. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2011, 46, 1385-1391.	0.9	25
92	Biogas Production. , 2011, , 785-798.		16
93	Evaluation of the water quality in the Guadarrama river at the section of Las Rozasâ€Madrid, Spain. Water and Environment Journal, 2011, 25, 55-66.	1.0	9
94	Influence of particle size and chemical composition on the performance and kinetics of anaerobic digestion process of sunflower oil cake in batch mode. Biochemical Engineering Journal, 2011, 58-59, 162-167.	1.8	63
95	Biochemical methane potential (BMP) of solid organic substrates: evaluation of anaerobic biodegradability using data from an international interlaboratory study. Journal of Chemical Technology and Biotechnology, 2011, 86, 1088-1098.	1.6	411
96	The effects of hydraulic loading and NaCl concentrations on the regeneration of exhausted homoionic natural zeolite. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2011, 46, 596-600.	0.9	5
97	Feasibility of sunflower oil cake degradation with three different anaerobic consortia. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2011, 46, 1409-1416.	0.9	9
98	Effect of adding nitrate on the performance of a multistage biofilter used for anaerobic treatment of high-strength wastewater. Chemical Engineering Journal, 2010, 156, 250-256.	6.6	9
99	Kinetic modelling and performance prediction of a hybrid anaerobic baffled reactor treating synthetic wastewater at mesophilic temperature. Process Biochemistry, 2010, 45, 1616-1623.	1.8	28
100	Quality improvement in determination of chemical oxygen demand in samples considered difficult to analyze, through participation in proficiency-testing schemes. TrAC - Trends in Analytical Chemistry, 2010, 29, 1082-1091.	5.8	24
101	Kinetic study of the methanogenic step of a two-stage anaerobic digestion process treating olive mill solid residue. Chemical Engineering Journal, 2010, 160, 215-219.	6.6	12
102	Kinetic evaluation of the psychrophilic anaerobic digestion of synthetic domestic sewage using an upflow filter. Bioresource Technology, 2010, 101, 131-137.	4.8	21
103	Kinetic evaluation and performance of pilot-scale fed-batch aerated lagoons treating winery wastewaters. Bioresource Technology, 2010, 101, 3452-3456.	4.8	20
104	Preliminary trials of in situ ammonia stripping from source segregated domestic food waste digestate using biogas: Effect of temperature and flow rate. Bioresource Technology, 2010, 101, 9486-9492.	4.8	67
105	The impact of ammonia nitrogen concentration and zeolite addition on the specific methanogenic activity of granular and flocculent anaerobic sludges. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2010, 45, 883-889.	0.9	28
106	Influence of heavy metal supplementation on specific methanogenic activity and microbial communities detected in batch anaerobic digesters. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2010, 45, 1307-1314.	0.9	21
107	Kinetics of anaerobic degradation of screened dairy manure by upflow fixed bed digesters: Effect of natural zeolite addition. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2009, 44, 146-154.	0.9	19
108	Performance evaluation of a two-phase anaerobic digestion process of synthetic domestic wastewater at ambient temperature. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2009, 44, 673-681.	0.9	7

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109	Anaerobic treatment of synthetic medium-strength wastewater using a multistage biofilm reactor. <i>Bioresource Technology</i> , 2009, 100, 1740-1745.	4.8	46
110	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
111	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
112	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
113	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
114	Evaluation of the hydrolytic 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
115	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
116	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
117	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
118	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
119	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
120	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
121	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
122	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
123	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
124	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
125	Batch culture growth of <i>Chlorella zofingiensis</i> on effluent derived from two-stage anaerobic digestion of two-phase olive mill solid waste. <i>Electronic Journal of Biotechnology</i> , 2008, 11, 0-0.	1.2	13
126	Treatment of wastewater from red and tropical fruit wine production by zeolite anaerobic fluidized bed reactor. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2008, 43, 437-442.	0.7	10

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127	Evaluation of the quality of the water in El Hondo natural park located in the east of Spain. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2007, 42, 969-981.	0.9	5
128	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
129	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
130	Piggery waste treatment by using down-flow anaerobic fixed bed reactors. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2007, 42, 727-734.	0.7	1
131	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
132	Aerobic degradation kinetic of the effluent derived from the anaerobic digestion of two-phase olive mill solid residue. <i>International Biodeterioration and Biodegradation</i> , 2007, 60, 60-67.	1.9	4
133	Real evidence about zeolite as microorganisms immobilizer in anaerobic fluidized bed reactors. <i>Process Biochemistry</i> , 2007, 42, 721-728.	1.8	82
134	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
135	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
136	Evaluation of a laboratory-scale stabilization pond for tertiary treatment of distillery waste previously treated by a combined anaerobic filter-aerobic trickling system. <i>Ecological Engineering</i> , 2006, 27, 100-108.	1.6	14
137	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
138	Kinetic models of an anaerobic bioreactor for restoring wastewater generated by industrial chickpea protein production. <i>International Biodeterioration and Biodegradation</i> , 2006, 57, 114-120.	1.9	14
139	Mathematical modelling of the aerobic degradation of two-phase olive mill effluents in a batch reactor. <i>Biochemical Engineering Journal</i> , 2006, 30, 308-315.	1.8	13
140	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
141	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
142	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
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