

Marlene D Roeckel

List of Publications by Year in descending order

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53
papers

994
citations

471061

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29
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55
all docs

55
docs citations

55
times ranked

1145
citing authors

#	ARTICLE	IF	CITATIONS
1	Shelf-life extension on fillets of Atlantic Salmon (<i>Salmo salar</i>) using natural additives, superchilling and modified atmosphere packaging. <i>Food Control</i> , 2009, 20, 1036-1042.	2.8	91
2	Anaerobic treatment of fishery wastewater using a marine sediment inoculum. <i>Water Research</i> , 1997, 31, 2147-2160.	5.3	86
3	Startup and oxygen concentration effects in a continuous granular mixed flow autotrophic nitrogen removal reactor. <i>Bioresource Technology</i> , 2015, 190, 345-351.	4.8	52
4	The presence of organic matter during autotrophic nitrogen removal: Problem or opportunity?. <i>Separation and Purification Technology</i> , 2016, 166, 102-108.	3.9	47
5	Comparison of the composition of <i>Pinus radiata</i> bark extracts obtained at bench- and pilot-scales. <i>Industrial Crops and Products</i> , 2012, 38, 21-26.	2.5	46
6	Influence of biomass acclimation on the performance of a partial nitrification-anammox reactor treating industrial saline effluents. <i>Chemosphere</i> , 2018, 194, 131-138.	4.2	44
7	Effluent composition prediction of a two-stage anaerobic digestion process: machine learning and stoichiometry techniques. <i>Environmental Science and Pollution Research</i> , 2018, 25, 21149-21163.	2.7	42
8	Treatment of recycled wastewaters from fishmeal factory by an anaerobic filter. <i>Biotechnology Letters</i> , 1997, 19, 117-122.	1.1	39
9	NOB suppression and adaptation strategies in the partial nitrification-anammox process for a poultry manure anaerobic digester. <i>Process Biochemistry</i> , 2017, 58, 258-265.	1.8	33
10	The Effect of Sodium Chloride on the Two-Step Kinetics of the Nitrifying Process. <i>Water Environment Research</i> , 2004, 76, 73-80.	1.3	29
11	Kinetics of cross-inhibited denitrification of a high load wastewater. <i>Enzyme and Microbial Technology</i> , 2007, 40, 1627-1634.	1.6	28
12	Scaling up parameters for shelf-life extension of Atlantic Salmon (<i>Salmo salar</i>) fillets using superchilling and modified atmosphere packaging. <i>Food Control</i> , 2010, 21, 857-862.	2.8	24
13	Inhibition of the angiotensin-converting enzyme by grape seed and skin proanthocyanidins extracted from <i>Vitis vinifera</i> L. cv. PaAs. <i>LWT - Food Science and Technology</i> , 2011, 44, 860-865.	2.5	24
14	Dynamic modeling of partial nitrification in a rotating disk biofilm reactor: Calibration, validation and simulation. <i>Biochemical Engineering Journal</i> , 2010, 52, 7-18.	1.8	21
15	Rate of ammonia oxidation in a synthetic saline wastewater by a nitrifying mixed-culture. <i>Journal of Chemical Technology and Biotechnology</i> , 2005, 80, 1261-1267.	1.6	19
16	Effect of pre-treatment with carbon monoxide and film properties on the quality of vacuum packaging of beef chops. <i>Packaging Technology and Science</i> , 2008, 21, 395-404.	1.3	19
17	Modification of chitosan to deliver grapes proanthocyanidins: Physicochemical and biological evaluation. <i>LWT - Food Science and Technology</i> , 2016, 73, 640-648.	2.5	19
18	Achieving Clean Technology in the Fish-Meal Industry by Addition of a New Process Step. <i>Journal of Chemical Technology and Biotechnology</i> , 1996, 67, 96-104.	1.6	17

#	ARTICLE	IF	CITATIONS
19	Title is missing!. Biotechnology Letters, 1997, 19, 241-244.	1.1	17
20	Operating Parameters for High Nitrite Accumulation during Nitrification in a Rotating Biological Nitrifying Contactor. Water Environment Research, 2007, 79, 1006-1014.	1.3	17
21	Model of simultaneous denitrification and methanogenesis in an Upflow Packed-Bed Biofilm Reactor: Nitrogen compounds' inhibition and pseudo two-dimensional biofilm model. Journal of Chemical Technology and Biotechnology, 2009, 84, 254-268.	1.6	17
22	Modeling of the denitrification/anaerobic digestion process of salmon fishery wastewater in a biofilm tubular reactor. Journal of Environmental Management, 2011, 92, 1591-1608.	3.8	17
23	Recovery of proteins from fishmeal factory wastewaters. Process Biochemistry, 1994, 29, 39-46.	1.8	16
24	Influence of the structure and composition of the PaÑs grape proanthocyanidins on the inhibition of angiotensin I-converting enzyme (ACE). Food Chemistry, 2012, 134, 346-350.	4.2	16
25	Nitrifying Biomass Acclimation to High Ammonia Concentration. Journal of Environmental Engineering, ASCE, 2002, 128, 367-375.	0.7	15
26	THE EFFECT OF SODIUM CHLORIDE ON THE DENITRIFICATION OF SALINE FISHERY WASTEWATERS. Environmental Technology (United Kingdom), 2008, 29, 871-879.	1.2	15
27	Nitrification rates in a saline medium at different dissolved oxygen concentrations. Biotechnology Letters, 2001, 23, 1597-1602.	1.1	12
28	High Nitrite Buildup During Nitrification in a Rotating Disk Reactor. Water Environment Research, 2003, 75, 151-162.	1.3	11
29	Characterization of Arsenite-Oxidizing Bacteria Isolated from Arsenic-Rich Sediments, Atacama Desert, Chile. Microorganisms, 2021, 9, 483.	1.6	11
30	Use of biomass for the removal of heavy metals at low concentrations from freshwater for Chilean Atlantic salmon farms. Aquacultural Engineering, 2012, 49, 1-9.	1.4	10
31	GROWTH AND CHARACTERIZATION OF THE HISTAMINE-FORMING BACTERIA OF JACK MACKEREL (TRACHURUS) Tj ETQq1 1 0,784314 0,9 10		
32	EFFECT OF THE BENCH SCALE EXTRACTION CONDITIONS ON Pinus radiata BARK EXTRACT YIELD, ANTIOXIDANT PROPERTIES AND COMPOSITION. Maderas: Ciencia Y Tecnologia, 2013, , 0-0.	0.7	9
33	Microscopic Modeling of PaÑs Grape Seed Extract Absorption in the Small Intestine. AAPS PharmSciTech, 2014, 15, 103-110.	1.5	9
34	The prediction of partial-nitrification-anammox performance in real industrial wastewater based on granular size. Journal of Environmental Management, 2021, 286, 112255.	3.8	9
35	Fat removal from process waters of the fish meal industry. A study of three flotation methods. Environmental Technology (United Kingdom), 1994, 15, 29-39.	1.2	8
36	Evaluation of clean technology processes in the marine products processing industry. Journal of Chemical Technology and Biotechnology, 1998, 73, 217-226.	1.6	8

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37	Modeling of simultaneous denitrification â€“ Anaerobic digestion â€“ Organic matter aerobic oxidation and nitrification in an anoxicâ€“anaerobicâ€“aerobic compact filter reactor. Journal of Biotechnology, 2012, 160, 176-188.	1.9	8
38	Simultaneous C and N removal from saline salmon effluents in filter reactors comprising anoxic-anaerobic-aerobic processes: Effect of recycle ratio. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2014, 49, 584-592.	0.9	8
39	Modeling of the Nanoparticles Absorption Under a Gastrointestinal Simulated Ambient Condition. AAPS PharmSciTech, 2017, 18, 2691-2701.	1.5	8
40	Optimization of a Sequential Anaerobic-Aerobic Treatment of a Saline Fishing Effluent. Chemical Engineering Research and Design, 1999, 77, 275-290.	2.7	7
41	Kinetics of syntrophic acetogenesis in a saline medium. Journal of Chemical Technology and Biotechnology, 2008, 83, 1433-1440.	1.6	7
42	Antioxidant and anti-inflammatory activities of <i>Pinus radiata</i> bark extract in salmonid cell lines. Aquaculture Research, 2017, 48, 3568-3578.	0.9	7
43	Low oxygen start-up of partial nitrificationâ€“anammox process: mechanical or gas agitation?. Journal of Chemical Technology and Biotechnology, 2019, 94, 475-483.	1.6	7
44	Title is missing!. Biotechnology Letters, 1997, 11, 163-166.	0.5	4
45	ORGANIC AND NITROGENOUS MATTER EFFECTS ON THE DENITRIFICATION OF SALINE AND PROTEIN-RICH EFFLUENTS. Environmental Technology (United Kingdom), 2008, 29, 881-890.	1.2	4
46	Technical and economical optimization of a full-scale poultry manure treatment process: total ammonia nitrogen balance. Environmental Technology (United Kingdom), 2016, 37, 2865-2878.	1.2	4
47	EXPERIMENTAL STUDY ON MIXING: POWER CONSUMPTION AND DEGREE OF SUSPENSION. Chemical Engineering Communications, 1986, 44, 331-346.	1.5	3
48	Optimization of the simultaneous removal of nitrogen and organic matter from fishery wastewaters. Environmental Progress, 2005, 24, 297-304.	0.8	3
49	Modelling of integrated anoxicâ€“anaerobicâ€“aerobic treatment for salmon fishery wastewater in an upflow fixed-bed biofilm reactor. Environmental Technology (United Kingdom), 2012, 33, 607-622.	1.2	3
50	Simultaneous removal of C and N from fish effluents in filter reactors: Effect of recirculation ratio on the axial distribution of microbial communities. Journal of Environmental Management, 2015, 161, 366-374.	3.8	3
51	Efficient poultry manure management: anaerobic digestion with short hydraulic retention time to achieve high methane production. Poultry Science, 2019, 98, 6636-6643.	1.5	3
52	Clean technology in fish processing industries. Journal of Cleaner Production, 1994, 2, 31-35.	4.6	1
53	Heavy metals removal from influents to prevent mortality in salmon fry. Aquacultural Engineering, 2014, 58, 103-106.	1.4	1