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List of Publications by Year in descending order

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72
papers

2,098
citations

236833

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docs citations

73
times ranked

2448
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of current density on the efficiency of a membrane electro-bioreactor for removal of micropollutants and phosphorus, and reduction of fouling: A pilot plant case study. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 104874.	3.3	19
2	Efficacy of atrazine pesticide reduction in aqueous solution using activated carbon, ozone and a combination of both. <i>Science of the Total Environment</i> , 2021, 764, 144301.	3.9	13
3	Unravelling the removal mechanisms of bacterial and viral surrogates in aerobic granular sludge systems. <i>Water Research</i> , 2021, 195, 116992.	5.3	8
4	Carbamazepine and Diclofenac Removal Double Treatment: Oxidation and Adsorption. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 7163.	1.2	6
5	Activated Carbon and Ozone to Reduce Simazine in Water. <i>Water (Switzerland)</i> , 2020, 12, 2900.	1.2	8
6	Removal of emerging pollutants in water treatment plants: adsorption of methyl and propylparaben onto powdered activated carbon. <i>Adsorption</i> , 2019, 25, 983-999.	1.4	32
7	Fate of parabens and 4-hydroxybenzoic acid in aquifer materials columns during step experiments with fresh and sea waters. <i>Journal of Hydrology</i> , 2018, 557, 335-347.	2.3	5
8	Desalination and energy consumption. What can we expect in the near future?. <i>Desalination</i> , 2018, 427, 1-9.	4.0	174
9	Removal of micropollutants from urban wastewater using a UASB reactor coupled to a MBR at different organic loading rates. <i>Urban Water Journal</i> , 2018, 15, 437-444.	1.0	18
10	The use of combined treatments for reducing parabens in surface waters: Ion-exchange resin and nanofiltration. <i>Science of the Total Environment</i> , 2018, 639, 228-236.	3.9	24
11	Eliminaci3n de pesticidas mediante un biorreactor de membrana y dos tiempos diferentes de retenci3n celular. <i>Tecnolog3a Y Ciencias Del Agua</i> , 2018, 9, 198-217.	0.1	5
12	Urban Water Cycle Simulation/Management Models: A Review. <i>Water (Switzerland)</i> , 2017, 9, 285.	1.2	19
13	Forecasting Water Demand in Residential, Commercial, and Industrial Zones in Bogot3, Colombia, Using Least-Squares Support Vector Machines. <i>Mathematical Problems in Engineering</i> , 2016, 2016, 1-10.	0.6	17
14	The elimination of siloxanes from the biogas of a wastewater treatment plant by means of an adsorption process. <i>Water Science and Technology</i> , 2016, 74, 2927-2934.	1.2	2
15	A case study of urban wastewater reclamation in Spain: comparison of water quality produced by using alternative processes and related costs. <i>Journal of Water Reuse and Desalination</i> , 2016, 6, 72-81.	1.2	28
16	Water reduction in waste-activated sludge by resettling and filtration in batch. Phase (1): pilot-scale experiments to optimize performance. <i>Environmental Technology (United Kingdom)</i> , 2014, 35, 1928-1934.	1.2	0
17	Evolution of extracellular polymeric substances produced in two submerged membrane bioreactors working at high sludge age. <i>WIT Transactions on the Built Environment</i> , 2014, , .	0.0	0
18	Influence of sludge retention time on filtration performance and biomass characteristics in a hollow fiber membrane bioreactor. <i>WIT Transactions on the Built Environment</i> , 2014, , .	0.0	0

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19	Characterization of soluble and bound EPS obtained from 2 submerged membrane bioreactors by 3D-EEM and HPSEC. <i>Talanta</i> , 2013, 115, 706-712.	2.9	50
20	Reduction of emerging micropollutants, organic matter, nutrients and salinity from real wastewater by combined MBR+NF/RO treatment. <i>Separation and Purification Technology</i> , 2013, 110, 132-143.	3.9	89
21	Start-up of decentralised MBRs Part II: the use of additives as initial inoculum. <i>Desalination and Water Treatment</i> , 2012, 41, 265-278.	1.0	2
22	Influence of EPS and MLSS concentrations on mixed liquor physical parameters of two membrane bioreactors. <i>Desalination and Water Treatment</i> , 2012, 46, 46-59.	1.0	9
23	Influence of organic loading rate on the performance of ultrafiltration and microfiltration membrane bioreactors at high sludge retention time. <i>Chemical Engineering Journal</i> , 2012, 181-182, 132-143.	6.6	32
24	Start-up of decentralized MBRs. <i>Desalination</i> , 2012, 285, 324-335.	4.0	6
25	Analysis of the filterability in industrial MBRs. Influence of activated sludge parameters and constituents on filterability. <i>Journal of Membrane Science</i> , 2011, 385-386, 96-109.	4.1	25
26	MBR performance: Operational problems in industry. <i>Filtration and Separation</i> , 2011, 48, 36-41.	0.2	4
27	Comparison of ion exchange resins used in reduction of boron in desalinated water for human consumption. <i>Desalination</i> , 2011, 278, 244-249.	4.0	24
28	Kinetic behaviour of sodium and boron in brackish water membranes. <i>Journal of Membrane Science</i> , 2011, 368, 86-94.	4.1	20
29	Endocrine disrupting compounds: A comparison of removal between conventional activated sludge and membrane bioreactors. <i>Desalination</i> , 2011, 272, 240-245.	4.0	56
30	Approximate cost of the elimination of boron in desalinated water by reverse osmosis and ion exchange resins. <i>Desalination</i> , 2011, 273, 421-427.	4.0	40
31	Reduction of chlorination byproducts in surface water using ceramic nanofiltration membranes. <i>Desalination</i> , 2011, 277, 147-155.	4.0	33
32	Influence of temperature variations on the cake resistance and EPS of MBR mixed liquor fractions. <i>Desalination and Water Treatment</i> , 2010, 18, 1-11.	1.0	6
33	Removal of Nickel by Means of Micellar-Enhanced Ultrafiltration (MEUF) Using Two Anionic Surfactants. <i>Water, Air, and Soil Pollution</i> , 2010, 208, 5-15.	1.1	24
34	Fate of linear alkylbenzene sulfonate in agricultural soil columns during inflow of surfactant pulses. <i>Journal of Hydrology</i> , 2010, 395, 141-152.	2.3	8
35	Reduction of disinfection by-products in natural waters using nanofiltration membranes. <i>Desalination</i> , 2010, 250, 702-706.	4.0	10
36	Monitoring and analysis of the energy cost of an MBR. <i>Desalination</i> , 2010, 250, 997-1001.	4.0	105

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37	Effect of different extraction methods on bound EPS from MBR sludges. Part I: Influence of extraction methods over three-dimensional EEM fluorescence spectroscopy fingerprint. <i>Desalination</i> , 2010, 261, 19-26.	4.0	106
38	Effect of different extraction methods on bound EPS from MBR sludges. <i>Desalination</i> , 2010, 262, 106-109.	4.0	30
39	Effect of pressure and pH over the removal of disinfection by-products using nanofiltration membranes in discontinuous systems. <i>Desalination and Water Treatment</i> , 2010, 23, 3-12.	1.0	4
40	Removal of metal ions at low concentration by micellar-enhanced ultrafiltration (MEUF) using sodium dodecyl sulfate (SDS) and linear alkylbenzene sulfonate (LAS). <i>Separation and Purification Technology</i> , 2009, 65, 337-342.	3.9	153
41	Removal of natural organic matter by cationic and anionic polyacrylonitrile membranes. The effect of pressure, ionic strength and pH. <i>Separation and Purification Technology</i> , 2009, 68, 305-311.	3.9	14
42	Analysis of the temperature influence on the specific resistance from different fractions of the mixed liquor in a Membrane Bioreactor. <i>WIT Transactions on Ecology and the Environment</i> , 2009, , .	0.0	0
43	Removal of natural organic matter and THM formation potential by ultra- and nanofiltration of surface water. <i>Water Research</i> , 2008, 42, 714-722.	5.3	118
44	Study of the extracellular polymeric substances (EPS) in different types of membrane bioreactor (MBR) effluents. <i>WIT Transactions on Ecology and the Environment</i> , 2008, , .	0.0	5
45	Removal of linear alkylbenzene sulfonates and their degradation intermediates at low temperatures during activated sludge treatment. <i>Chemosphere</i> , 2006, 64, 1157-1166.	4.2	35
46	Effect of temperature and organic nutrients on the biodegradation of linear alkylbenzene sulfonate (LAS) during the composting of anaerobically digested sludge from a wastewater treatment plant. <i>Waste Management</i> , 2006, 26, 1237-1245.	3.7	26
47	pH, ionic strength and flow velocity effects on the NOM filtration with TiO ₂ /ZrO ₂ membranes. <i>Separation and Purification Technology</i> , 2006, 52, 325-331.	3.9	34
48	Effect of temperature on the biodegradation of linear alkylbenzene sulfonate and alcohol ethoxylate. <i>Journal of Surfactants and Detergents</i> , 2006, 9, 69-75.	1.0	19
49	Effects of Linear Alkylbenzene Sulphonates (LASs) on Exogenous Organic Matter Content and Evolution in Sewage Sludge-Amended Soils. <i>Communications in Soil Science and Plant Analysis</i> , 2006, 37, 2615-2625.	0.6	0
50	Effects of Linear Alkylbenzene Sulfonates (LASs) in Sewage Sludge-Amended Soils on Nutrient Contents of Broccoli Plants. <i>Communications in Soil Science and Plant Analysis</i> , 2006, 37, 2605-2614.	0.6	4
51	Temperature Effects in Anaerobic Biodegradation of Soaps in Anaerobic Screening Tests. <i>Tenside, Surfactants, Detergents</i> , 2005, 42, 40-43.	0.5	5
52	Analysis of the variation in the permeate flux and of the efficiency of the recovery of mercury by polyelectrolyte enhanced ultrafiltration (PE-UF). <i>Desalination</i> , 2003, 151, 247-251.	4.0	14
53	A reverse osmosis potable water plant at Alicante University: first years of operation. <i>Desalination</i> , 2001, 137, 91-102.	4.0	16
54	Influence of pH in the elimination of boron by means of reverse osmosis. <i>Desalination</i> , 2001, 140, 145-152.	4.0	126

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55	Analysis of the influence of pH and pressure on the elimination of boron in reverse osmosis. Desalination, 2000, 128, 269-273.	4.0	156
56	Biodegradation of soap in anaerobic digesters and on sludge amended soils. Water Research, 1999, 33, 105-108.	5.3	17
57	KINETIC STUDY OF THE PYROLYSIS OF SEWAGE SLUDGE. Waste Management and Research, 1997, 15, 293-305.	2.2	2
58	Removal of anionic and nonionic surfactants in a wastewater treatment plant with anaerobic digestion. A comparative study. Water Research, 1997, 31, 1925-1930.	5.3	82
59	Modeling eutrophication kinetics in reservoir microcosms. Water Research, 1997, 31, 2511-2519.	5.3	14
60	Alicante University, closed water cycle, reverse osmosis and water treatment plants. Desalination, 1997, 109, 315-321.	4.0	8
61	Quaternary liquid-liquid equilibrium: water-acetic acid-2-butanone-cyclohexane at 25°C. Fluid Phase Equilibria, 1995, 106, 203-211.	1.4	9
62	Stability of kinetic models from waste stabilization ponds. Water Research, 1994, 28, 2125-2132.	5.3	7
63	Las monitoring in a lagoon treatment plant. Water Research, 1994, 28, 2183-2189.	5.3	22
64	Polychlorinated biphenyls and organochlorine pesticides in marine sediments and seawater along the coast of Alicante, Spain. Marine Pollution Bulletin, 1992, 24, 441-446.	2.3	27
65	Evaluation of the methods of correlation and interpolation of quaternary liquid-liquid equilibrium data. Application to the system water-ethanol-chloroform-toluene at 25°C. Fluid Phase Equilibria, 1986, 25, 147-160.	1.4	2
66	Determination of quaternary liquid-liquid equilibrium data using either measurements of a single physical property or the analysis of only one of the components. Application to the quaternary system: water-ethanol-chloroform-toluene at 25°C. Fluid Phase Equilibria, 1985, 23, 269-292.	1.4	7
67	Quaternary liquid-liquid equilibrium: water-ethanol-chloroform-toluene at 25.degree.C. Experimental determination and graphical and analytical correlation of equilibrium data. Journal of Chemical & Engineering Data, 1985, 30, 412-416.	1.0	33
68	Quaternary liquid-liquid equilibrium: water-acetic acid-1-butanol-n-butyl acetate at 25°C. Fluid Phase Equilibria, 1984, 18, 171-183.	1.4	31
69	Liquid-liquid extraction: A graphical method for equilibrium stage calculations for quaternary systems. Fluid Phase Equilibria, 1984, 15, 257-265.	1.4	9
70	Quaternary liquid-liquid equilibrium. Water-ethanol-1-butanol-chloroform at 25.degree.C. Experimental determination and graphical representation of equilibrium data. Journal of Chemical & Engineering Data, 1984, 29, 147-151.	1.0	27
71	Temperature influence on the ternary system 1-butanol-butanone-water. Journal of Chemical & Engineering Data, 1984, 29, 143-146.	1.0	11
72	Reduction of haloacetic acids in natural surface water by integrated treatment: coagulation and membrane processes. , 0, 63, 24-33.		2