Enrique Nebot

List of Publications by Year
in descending order

66 papers	2,164 citations	186265 28 h-index	243625 44 g-index
67 all docs	67 docs citations	67 times ranked	2198 citing authors

#	Article	IF	Citations
1	On the Efficacy of H2O2 or S2O82â^' at Promoting the Inactivation of a Consortium of Cyanobacteria and Bacteria in Algae-Laden Water. Microorganisms, 2022, 10, 735.	3.6	5
2	Improving the microalgae inactivating efficacy of ultraviolet ballast water treatment in combination with hydrogen peroxide or peroxymonosulfate salt. Marine Pollution Bulletin, 2021, 162, 111886.	5.0	21
3	Evaluation of three photosynthetic species smaller than ten microns as possible standard test organisms of ultraviolet-based ballast water treatment. Marine Pollution Bulletin, 2021, 170, 112643.	5.0	7
4	Use of AIS data for the environmental characterization of world cruise ship traffic. International Journal of Sustainable Transportation, 2020, 14, 465-474.	4.1	23
5	Effect of the length of dark storage following ultraviolet irradiation of Tetraselmis suecica and its implications for ballast water management. Science of the Total Environment, 2020, 711, 134611.	8.0	14
6	A comparison of photolytic, photochemical and photocatalytic processes for disinfection of recirculation aquaculture systems (RAS) streams. Water Research, 2020, 181, 115928.	11.3	26
7	Analyzing cruise ship itineraries patterns and vessels diversity in ports of the European maritime region: A hierarchical clustering approach. Journal of Transport Geography, 2020, 85, 102731.	5.0	5
8	Application of persulfate salts for enhancing UV disinfection in marine waters. Water Research, 2019, 163, 114866.	11.3	42
9	Disinfection performance using a UV/persulfate system: effects derived from different aqueous matrices. Photochemical and Photobiological Sciences, 2019, 18, 878-883.	2.9	27
10	Comparing the inactivating efficacy of enteric bacteria in seawater treated with different configurations of continuous flowâ€through ultraviolet devices: singleâ€pass and recirculation. Journal of Chemical Technology and Biotechnology, 2019, 94, 2980-2989.	3.2	5
11	Chemical and microbiological characterization of cruise vessel wastewater discharges under repair conditions. Ecotoxicology and Environmental Safety, 2019, 169, 68-75.	6.0	15
12	Photocatalytic inactivation of microalgae: efficacy and cell damage evaluation by growth curves modeling. Journal of Applied Phycology, 2019, 31, 1835-1843.	2.8	8
13	Study of marine bacteria inactivation by photochemical processes: disinfection kinetics and growth modeling after treatment. Environmental Science and Pollution Research, 2018, 25, 27693-27703.	5.3	18
14	Inactivation of marine heterotrophic bacteria in ballast water by an Electrochemical Advanced Oxidation Process. Water Research, 2018, 140, 377-386.	11.3	51
15	Inactivation of a wild isolated Klebsiella pneumoniae by photo-chemical processes: UV-C, UV-C/H2O2 and UV-C/H2O2/Fe3+. Catalysis Today, 2018, 313, 94-99.	4.4	22
16	Comparative studies of different membrane distillation configurations and membranes for potential use on board cruise vessels. Desalination, 2018, 429, 44-51.	8.2	40
17	UV-based technologies for marine water disinfection and the application to ballast water: Does salinity interfere with disinfection processes?. Science of the Total Environment, 2017, 581-582, 144-152.	8.0	36
18	Assessment of imaging-in-flow system (FlowCAM) for systematic ballast water management. Science of the Total Environment, 2017, 603-604, 550-561.	8.0	22

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19	Proximity as an integral factor in the evaluation of the territorial risk under the European Seveso Directive: Application in Andalusia (South Spain). Chemical Engineering Research and Design, 2016, 99, 137-148.	5.6	4
20	Evaluation of ultraviolet disinfection of microalgae by growth modeling: application to ballast water treatment. Journal of Applied Phycology, 2016, 28, 2831-2842.	2.8	30
21	Determining disinfection efficiency on E. faecalis in saltwater by photolysis of H2O2: Implications for ballast water treatment. Chemical Engineering Journal, 2016, 283, 1339-1348.	12.7	52
22	Enhancement of methane production in mesophilic anaerobic digestion of secondary sewage sludge by advanced thermal hydrolysis pretreatment. Water Research, 2015, 71, 330-340.	11.3	155
23	Evolution of the chemical-environmental risk of territorial compatibility under the framework of the Seveso Directive: A case study of the autonomous community of Andalusia (southern Spain). Journal of Loss Prevention in the Process Industries, 2015, 34, 177-190.	3.3	3
24	Assessment of the antifouling effect of five different treatment strategies on a seawater cooling system. Applied Thermal Engineering, 2015, 85, 124-134.	6.0	45
25	Temperature enhanced effects of chlorine exposure on the health status of the sentinel organism Mytilus galloprovincialis. Environmental Science and Pollution Research, 2014, 21, 1680-1690.	5.3	4
26	Improvement of ballast water disinfection using a photocatalytic (<scp>UV</scp>â€ +) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 467 Td (Technology and Biotechnology, 2014, 89, 1203-1210.	3.2	28
27	Monitoring and assessment of an industrial antifouling treatment. Seasonal effects and influence of water velocity in an open once-through seawater cooling system. Applied Thermal Engineering, 2014, 67, 378-387.	6.0	22
28	Improving UV seawater disinfection with immobilized TiO2: Study of the viability of photocatalysis (UV254/TiO2) as seawater disinfection technology. Journal of Photochemistry and Photobiology A: Chemistry, 2013, 271, 16-23.	3.9	49
29	Comparative effect of simulated solar light, UV, UV/H2O2 and photo-Fenton treatment (UVâ€“Vis/H2O2/Fe2+,3+) in the Escherichia coli inactivation in artificial seawater. Water Research, 2013, 47, 6367-6379.	11.3	114
30	New kinetic model for predicting the photoreactivation of bacteria with sunlight. Journal of Photochemistry and Photobiology B: Biology, 2012, 117, 278-285.	3.8	18
31	Advanced Thermal Hydrolysis: Optimization of a Novel Thermochemical Process to Aid Sewage Sludge Treatment. Environmental Science & Technology, 2012, 46, 6158-6166.	10.0	62
32	Radiological risk assessment of naturally occurring radioactive materials in marine sediments and its application in industrialized coastal areas: Bay of Algeciras, Spain. Environmental Earth Sciences, 2012, 66, 1175-1181.	2.7	24
33	Advanced Thermal Hydrolysis of secondary sewage sludge: A novel process combining thermal hydrolysis and hydrogen peroxide addition. Resources, Conservation and Recycling, 2012, 59, 52-57.	10.8	63
34	Effect of recirculation and initial concentration of microorganisms on the disinfection kinetics of Escherichia coli. Desalination, 2011, 280, 20-26.	8.2	29
35	Source and Fate of Heavy Metals in Marine Sediments from a Semi-Enclosed Deep Embayment Subjected to Severe Anthropogenic Activities. Water, Air, and Soil Pollution, 2011, 221, 191-202.	2.4	19
36	Fecal Pollution in Coastal Marine Sediments from a Semi-Enclosed Deep Embayment Subjected to Anthropogenic Activities: An Issue to Be Considered in Environmental Quality Management Frameworks Development. EcoHealth, 2010, 7, 473-484.	2.0	12

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37	Degradation models and ecotoxicity in marine waters of two antifouling compounds: Sodium hypochlorite and an alkylamine surfactant. Science of the Total Environment, 2010, 408, 1779-1785.	8.0	37
38	Sublethal responses of the common mussel (Mytilus galloprovincialis) exposed to sodium hypochlorite and MexelÂ®432 used as antifoulants. Ecotoxicology and Environmental Safety, 2010, 73, 825-834.	6.0	23
39	Biomarker responses in Solea senegalensis exposed to sodium hypochlorite used as antifouling. Chemosphere, 2010, 78, 885-893.	8.2	42
40	Sublethal effects of the organic antifoulant MexelÂ®432 on osmoregulation and xenobiotic detoxification in the flatfish Solea senegalensis. Chemosphere, 2010, 79, 78-85.	8.2	22
41	Efficacy of different antifouling treatments for seawater cooling systems. Biofouling, 2010, 26, 923-930.	2.2	28
42	Effect of the test media and toxicity of LAS on the growth of Isochrysis galbana. Ecotoxicology, 2008, 17, 738-746.	2.4	25
43	Kinetic model for oxygen concentration dependence in the supercritical water oxidation of an industrial wastewater. Chemical Engineering Journal, 2008, 144, 361-367.	12.7	33
44	Supercritical water gasification of industrial organic wastes. Journal of Supercritical Fluids, 2008, 46, 329-334.	3.2	93
45	Pilot plan protocol for optimization of UV dose required to obtain an appropriate municipal wastewater disinfection. Journal of Water Supply: Research and Technology - AQUA, 2008, 57, 57-63.	1.4	4
46	Photoreactivation and Dark Repair in UV-Treated Microorganisms: Effect of Temperature. Applied and Environmental Microbiology, 2007, 73, 1594-1600.	3.1	54
47	Microbiological purification kinetics of wine-distillery wastewaters. Journal of Chemical Technology and Biotechnology, 2007, 58, 141-149.	3.2	18
48	Modelling of reactivation after UV disinfection: Effect of UV-C dose on subsequent photoreactivation and dark repair. Water Research, 2007, 41, 3141-3151.	11.3	118
49	Model for fouling deposition on power plant steam condensers cooled with seawater: Effect of water velocity and tube material. International Journal of Heat and Mass Transfer, 2007, 50, 3351-3358.	4.8	77
50	Hydrothermal oxidation: Application to the treatment of different cutting fluid wastes. Journal of Hazardous Materials, 2007, 144, 639-644.	12.4	58
51	Kinetics and Mechanism of Wet Air Oxidation of Butyric Acid. Industrial & Engineering Chemistry Research, 2006, 45, 4117-4122.	3.7	10
52	In situ experimental study for the optimization of chlorine dosage in seawater cooling systems. Applied Thermal Engineering, 2006, 26, 1893-1900.	6.0	34
53	Dilution and autodepuration processes in a coastal system affected by urban wastewater discharges: Case study of the Iro River estuary (southwestern Spain). Ciencias Marinas, 2005, 31, 221-230.	0.4	4
54	Wet air oxidation of long-chain carboxylic acids. Chemical Engineering Journal, 2004, 100, 43-50.	12.7	22

#	Article	IF	Citations
55	Hydrothermal Oxidation of Oily Wastes: an Alternative to Conventional Treatment Methods. Engineering in Life Sciences, 2003, 3, 85-89.	3.6	10
56	A set of marine microalgae bioassays for the evaluation of biological water quality in enclosure areas in south of Spain. Water Science and Technology, 2003, 47, 85-92.	2.5	5
57	Portable pilot plant for evaluating marine biofouling growth and control in heat exchangers-condensers. Water Science and Technology, 2003, 47, 99-104.	2.5	9
58	Portable pilot plant for evaluating marine biofouling growth and control in heat exchangers-condensers. Water Science and Technology, 2003, 47, 99-104.	2.5	0
59	Elimination of cutting oil wastes by promoted hydrothermal oxidation. Journal of Hazardous Materials, 2001, 88, 95-106.	12.4	67
60	Generalized kinetic models for supercritical water oxidation of cutting oil wastes. Journal of Supercritical Fluids, 2001, 21, 135-145.	3.2	43
61	Kinetic comparison between subcritical and supercritical water oxidation of phenol. Chemical Engineering Journal, 2001, 81, 287-299.	12.7	88
62	Wet air oxidation of oily wastes generated aboard ships: kinetic modeling. Journal of Hazardous Materials, 1999, 67, 61-73.	12.4	29
63	Kinetics of wet air oxidation of phenol. Chemical Engineering Journal, 1997, 67, 115-121.	12.7	34
64	Colonisation of a porous sintered-glass support in anaerobic thermophilic bioreactors. Bioresource Technology, 1997, 59, 177-183.	9.6	23
65	Methanogenic and acidogenic activity test in an anaerobic thermophilic reactor. Biotechnology Letters, 1996, 10, 249.	0.5	5
66	Effect of the Feed Frequency on the Performance of Anaerobic Filters. Anaerobe, 1995, 1, 113-120.	2.1	29