# Enrique Nebot

List of Publications by Year
in descending order



| 66 | 2,164 | 186209 28 | 243529 44 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 67 | 67 | 67 | 2198 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Enhancement of methane production in mesophilic anaerobic digestion of secondary sewage sludge by advanced thermal hydrolysis pretreatment. Water Research, 2015, 71, 330-340. | 5.3 | 155 |
| 2 | Modelling of reactivation after UV disinfection: Effect of UV-C dose on subsequent photoreactivation and dark repair. Water Research, 2007, 41, 3141-3151. | 5.3 | 118 |
| 3 | 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. | 5.3 | 114 |
| 4 | Supercritical water gasification of industrial organic wastes. Journal of Supercritical Fluids, 2008, 46, 329-334. | 1.6 | 93 |
| 5 | Kinetic comparison between subcritical and supercritical water oxidation of phenol. Chemical Engineering Journal, 2001, 81, 287-299. | 6.6 | 88 |
| 6 | 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. | 2.5 | 77 |
| 7 | Elimination of cutting oil wastes by promoted hydrothermal oxidation. Journal of Hazardous Materials, 2001, 88, 95-106. | 6.5 | 67 |
| 8 | 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. | 5.3 | 63 |
| 9 | Advanced Thermal Hydrolysis: Optimization of a Novel Thermochemical Process to Aid Sewage Sludge Treatment. Environmental Science & Technology, 2012, 46, 6158-6166. | 4.6 | 62 |
| 10 | Hydrothermal oxidation: Application to the treatment of different cutting fluid wastes. Journal of Hazardous Materials, 2007, 144, 639-644. | 6.5 | 58 |
| 11 | Photoreactivation and Dark Repair in UV-Treated Microorganisms: Effect of Temperature. Applied and Environmental Microbiology, 2007, 73, 1594-1600. | 1.4 | 54 |
| 12 | Determining disinfection efficiency on E. faecalis in saltwater by photolysis of H2O2: Implications for ballast water treatment. Chemical Engineering Journal, 2016, 283, 1339-1348. | 6.6 | 52 |
| 13 | Inactivation of marine heterotrophic bacteria in ballast water by an Electrochemical Advanced Oxidation Process. Water Research, 2018, 140, 377-386. | 5.3 | 51 |
| 14 | 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. | 2.0 | 49 |
| 15 | Assessment of the antifouling effect of five different treatment strategies on a seawater cooling system. Applied Thermal Engineering, 2015, 85, 124-134. | 3.0 | 45 |
| 16 | Generalized kinetic models for supercritical water oxidation of cutting oil wastes. Journal of Supercritical Fluids, 2001, 21, 135-145. | 1.6 | 43 |
| 17 | Biomarker responses in Solea senegalensis exposed to sodium hypochlorite used as antifouling. Chemosphere, 2010, 78, 885-893. | 4.2 | 42 |
| 18 | Application of persulfate salts for enhancing UV disinfection in marine waters. Water Research, 2019, 163, 114866. | 5.3 | 42 |

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|---|---|---|---|
| 19 | Comparative studies of different membrane distillation configurations and membranes for potential use on board cruise vessels. Desalination, 2018, 429, 44-51. | 4.0 | 40 |
| 20 | 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. | 3.9 | 37 |
| 21 | 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. | 3.9 | 36 |
| 22 | Kinetics of wet air oxidation of phenol. Chemical Engineering Journal, 1997, 67, 115-121. | 6.6 | 34 |
| 23 | In situ experimental study for the optimization of chlorine dosage in seawater cooling systems. Applied Thermal Engineering, 2006, 26, 1893-1900. | 3.0 | 34 |
| 24 | Kinetic model for oxygen concentration dependence in the supercritical water oxidation of an industrial wastewater. Chemical Engineering Journal, 2008, 144, 361-367. | 6.6 | 33 |
| 25 | Evaluation of ultraviolet disinfection of microalgae by growth modeling: application to ballast water treatment. Journal of Applied Phycology, 2016, 28, 2831-2842. | 1.5 | 30 |
| 26 | Effect of the Feed Frequency on the Performance of Anaerobic Filters. Anaerobe, 1995, 1, 113-120. | 1.0 | 29 |
| 27 | Wet air oxidation of oily wastes generated aboard ships: kinetic modeling. Journal of Hazardous Materials, 1999, 67, 61-73. | 6.5 | 29 |
| 28 | Effect of recirculation and initial concentration of microorganisms on the disinfection kinetics of Escherichia coli. Desalination, 2011, 280, 20-26. | 4.0 | 29 |
| 29 | Efficacy of different antifouling treatments for seawater cooling systems. Biofouling, 2010, 26, 923-930. | 0.8 | 28 |
| 30 | Improvement of ballast water disinfection using a photocatalytic (<scp>UV</scp>â€€ +) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 307 Td (<br>Technology and Biotechnology, 2014, 89, 1203-1210. | 1.6 | 28 |
| 31 | Disinfection performance using a UV/persulfate system: effects derived from different aqueous matrices. Photochemical and Photobiological Sciences, 2019, 18, 878-883. | 1.6 | 27 |
| 32 | A comparison of photolytic, photochemical and photocatalytic processes for disinfection of recirculation aquaculture systems (RAS) streams. Water Research, 2020, 181, 115928. | 5.3 | 26 |
| 33 | Effect of the test media and toxicity of LAS on the growth of Isochrysis galbana. Ecotoxicology, 2008, 17, 738-746. | 1.1 | 25 |
| 34 | 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. | 1.3 | 24 |
| 35 | Colonisation of a porous sintered-glass support in anaerobic thermophilic bioreactors. Bioresource Technology, 1997, 59, 177-183. | 4.8 | 23 |
| 36 | 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. | 2.9 | 23 |

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| 37 | Use of AIS data for the environmental characterization of world cruise ship traffic. International Journal of Sustainable Transportation, 2020, 14, 465-474. | 2.1 | 23 |
| 38 | Wet air oxidation of long-chain carboxylic acids. Chemical Engineering Journal, 2004, 100, 43-50. | 6.6 | 22 |
| 39 | Sublethal effects of the organic antifoulant MexelÂ®432 on osmoregulation and xenobiotic detoxification in the flatfish Solea senegalensis. Chemosphere, 2010, 79, 78-85. | 4.2 | 22 |
| 40 | 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. | 3.0 | 22 |
| 41 | Assessment of imaging-in-flow system (FlowCAM) for systematic ballast water management. Science of the Total Environment, 2017, 603-604, 550-561. | 3.9 | 22 |
| 42 | 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. | 2.2 | 22 |
| 43 | Improving the microalgae inactivating efficacy of ultraviolet ballast water treatment in combination with hydrogen peroxide or peroxymonosulfate salt. Marine Pollution Bulletin, 2021, 162, 111886. | 2.3 | 21 |
| 44 | 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. | 1.1 | 19 |
| 45 | Microbiological purification kinetics of wine-distillery wastewaters. Journal of Chemical Technology and Biotechnology, 2007, 58, 141-149. | 1.6 | 18 |
| 46 | New kinetic model for predicting the photoreactivation of bacteria with sunlight. Journal of Photochemistry and Photobiology B: Biology, 2012, 117, 278-285. | 1.7 | 18 |
| 47 | Study of marine bacteria inactivation by photochemical processes: disinfection kinetics and growth modeling after treatment. Environmental Science and Pollution Research, 2018, 25, 27693-27703. | 2.7 | 18 |
| 48 | Chemical and microbiological characterization of cruise vessel wastewater discharges under repair conditions. Ecotoxicology and Environmental Safety, 2019, 169, 68-75. | 2.9 | 15 |
| 49 | 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. | 3.9 | 14 |
| 50 | 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. | 0.9 | 12 |
| 51 | Hydrothermal Oxidation of Oily Wastes: an Alternative to Conventional Treatment Methods. Engineering in Life Sciences, 2003, 3, 85-89. | 2.0 | 10 |
| 52 | Kinetics and Mechanism of Wet Air Oxidation of Butyric Acid. Industrial & Engineering Chemistry Research, 2006, 45, 4117-4122. | 1.8 | 10 |
| 53 | Portable pilot plant for evaluating marine biofouling growth and control in heat exchangers-condensers. Water Science and Technology, 2003, 47, 99-104. | 1.2 | 9 |
| 54 | Photocatalytic inactivation of microalgae: efficacy and cell damage evaluation by growth curves modeling. Journal of Applied Phycology, 2019, 31, 1835-1843. | 1.5 | 8 |

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| 55 | 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. | 2.3 | 7 |
| 56 | Methanogenic and acidogenic activity test in an anaerobic thermophilic reactor. Biotechnology Letters, 1996, 10, 249. | 0.5 | 5 |
| 57 | 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. | 1.2 | 5 |
| 58 | 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. | 1.6 | 5 |
| 59 | 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. | 2.3 | 5 |
| 60 | 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. | 1.6 | 5 |
| 61 | 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. | 0.6 | 4 |
| 62 | 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. | 2.7 | 4 |
| 63 | 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. | 2.7 | 4 |
| 64 | 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 |
| 65 | 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. | 1.7 | 3 |
| 66 | Portable pilot plant for evaluating marine biofouling growth and control in heat exchangers-condensers. Water Science and Technology, 2003, 47, 99-104. | 1.2 | 0 |