# Rui A R Boaventura

## List of Publications by Year in Descending Order



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|---|---|---|---|
| 278 papers | 12,316 citations | 60 h-index | 95 g-index |
| 280 ext. papers | 13,932 ext. citations | 9.1 avg, IF | 6.88 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 278 | Tannin-based coagulants: Current development and prospects on synthesis and uses.. *Science of the Total Environment*, **2022**, 822, 153454 | 10.2 | 3 |
| 277 | Antimony removal from water by pine bark tannin resin: Batch and fixed-bed adsorption. *Journal of Environmental Management*, **2022**, 302, 114100 | 7.9 | 1 |
| 276 | Establishing the state-of-the-art on the adsorption of coexisting pnictogens in water: A literature review. *Chemosphere*, **2022**, 286, 131947 | 8.4 | |
| 275 | Multistage treatment for olive mill wastewater: Assessing legal compliance and operational costs. *Journal of Environmental Chemical Engineering*, **2022**, 10, 107442 | 6.8 | 0 |
| 274 | Efficient removal of arsenic from aqueous solution by continuous adsorption onto iron-coated cork granulates.. *Journal of Hazardous Materials*, **2022**, 432, 128657 | 12.8 | 0 |
| 273 | Superior operational stability of immobilized L-asparaginase over surface-modified carbon nanotubes. *Scientific Reports*, **2021**, 11, 21529 | 4.9 | 0 |
| 272 | Turning Carbon Dioxide and Ethane into Ethanol by Solar-Driven Heterogeneous Photocatalysis over RuO2- and NiO-co-Doped SrTiO3. *Catalysts*, **2021**, 11, 461 | 4 | 3 |
| 271 | The role of ozone combined with UVC/HO process for the tertiary treatment of a real slaughterhouse wastewater. *Journal of Environmental Management*, **2021**, 289, 112480 | 7.9 | 4 |
| 270 | Bromate removal from water intended for human consumption by heterogeneous photocatalysis: Effect of major dissolved water constituents. *Chemosphere*, **2021**, 263, 128111 | 8.4 | 7 |
| 269 | Multicomponent adsorption of pentavalent As, Sb and P onto iron-coated cork granulates. *Journal of Hazardous Materials*, **2021**, 406, 124339 | 12.8 | 5 |
| 268 | A tube-in-tube membrane microreactor for tertiary treatment of urban wastewaters by photo-Fenton at neutral pH: A proof of concept. *Chemosphere*, **2021**, 263, 128049 | 8.4 | 9 |
| 267 | Current Trends of Arsenic Adsorption in Continuous Mode: Literature Review and Future Perspectives. *Sustainability*, **2021**, 13, 1186 | 3.6 | 7 |
| 266 | How does the pre-treatment of landfill leachate impact the performance of O and O/UVC processes?. *Chemosphere*, **2021**, 278, 130389 | 8.4 | 5 |
| 265 | Uptake and Recovery of Gold from Simulated Hydrometallurgical Liquors by Adsorption on Pine Bark Tannin Resin. *Water (Switzerland)*, **2020**, 12, 3456 | 3 | 4 |
| 264 | Single and combined electrochemical oxidation driven processes for the treatment of slaughterhouse wastewater. *Journal of Cleaner Production*, **2020**, 270, 121858 | 10.3 | 12 |
| 263 | Development of a treatment train for the remediation of a hazardous industrial waste landfill leachate: A big challenge. *Science of the Total Environment*, **2020**, 741, 140165 | 10.2 | 7 |
| 262 | Complexation mechanisms in arsenic and phosphorus adsorption onto iron-coated cork granulates. *Journal of Environmental Chemical Engineering*, **2020**, 8, 104184 | 6.8 | 13 |

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| 261 | Ozone-driven processes for mature urban landfill leachate treatment: Organic matter degradation, biodegradability enhancement and treatment costs for different reactors configuration. *Science of the Total Environment*, **2020**, 724, 138083 | 10.2 | 25 |
| 260 | Tube-in-tube membrane reactor for heterogeneous TiO2 photocatalysis with radial addition of H2O2. *Chemical Engineering Journal*, **2020**, 395, 124998 | 14.7 | 20 |
| 259 | Removal of antimony from water by iron-coated cork granulates. *Separation and Purification Technology*, **2020**, 233, 116020 | 8.3 | 19 |
| 258 | Treatment of biodigested coffee processing wastewater using Fenton's oxidation and coagulation/flocculation. *Environmental Pollution*, **2020**, 259, 113796 | 9.3 | 7 |
| 257 | Enhancing methane yield from crude glycerol anaerobic digestion by coupling with ultrasound or A. niger/E. coli biodegradation. *Environmental Science and Pollution Research*, **2020**, 27, 1461-1474 | 5.1 | 9 |
| 256 | Use of cork granules as an effective sustainable material to clean-up spills of crude oil and derivatives. *Environmental Science and Pollution Research*, **2020**, 27, 366-378 | 5.1 | 1 |
| 255 | Integration of Fenton's reaction based processes and cation exchange processes in textile wastewater treatment as a strategy for water reuse. *Journal of Environmental Management*, **2020**, 272, 111082 | 7.9 | 12 |
| 254 | Development and characterization of a novel l-asparaginase/MWCNT nanobioconjugate.. *RSC Advances*, **2020**, 10, 31205-31213 | 3.7 | 12 |
| 253 | Tube-in-tube membrane microreactor for photochemical UVC/H2O2 processes: A proof of concept. *Chemical Engineering Journal*, **2020**, 379, 122341 | 14.7 | 13 |
| 252 | Performance and prospects of different adsorbents for phosphorus uptake and recovery from water. *Chemical Engineering Journal*, **2020**, 381, 122566 | 14.7 | 155 |
| 251 | Quality assessment of water intended for human consumption from Kwanza, Dande and Bengo rivers (Angola). *Environmental Pollution*, **2019**, 254, 113037 | 9.3 | 17 |
| 250 | Removal of bromate from drinking water using a heterogeneous photocatalytic mili-reactor: impact of the reactor material and water matrix. *Environmental Science and Pollution Research*, **2019**, 26, 33281-33293 | 5.1 | 4 |
| 249 | Overcoming limitations in photochemical UVC/HO systems using a mili-photoreactor (NETmix): Oxytetracycline oxidation. *Science of the Total Environment*, **2019**, 660, 982-992 | 10.2 | 11 |
| 248 | Intensification of heterogeneous TiO photocatalysis using the NETmix mili-photoreactor under microscale illumination for oxytetracycline oxidation. *Science of the Total Environment*, **2019**, 681, 467-474 | 10.2 | 15 |
| 247 | Evaluation of a tannin-based coagulant on the decolorization of synthetic effluents. *Journal of Environmental Chemical Engineering*, **2019**, 7, 103125 | 6.8 | 21 |
| 246 | Treatment train for mature landfill leachates: Optimization studies. *Science of the Total Environment*, **2019**, 673, 470-479 | 10.2 | 24 |
| 245 | Intensifying heterogeneous TiO photocatalysis for bromate reduction using the NETmix photoreactor. *Science of the Total Environment*, **2019**, 664, 805-816 | 10.2 | 18 |
| 244 | An innovative photoreactor, FluHelik, to promote UVC/HO photochemical reactions: Tertiary treatment of an urban wastewater. *Science of the Total Environment*, **2019**, 667, 197-207 | 10.2 | 20 |

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| 243 | Selecting the best piping arrangement for scaling-up an annular channel reactor: An experimental and computational fluid dynamics study. *Science of the Total Environment*, **2019**, 667, 821-832 | 10.2 | 16 |
| 242 | Development of an integrated treatment strategy for a leather tannery landfill leachate. *Waste Management*, **2019**, 89, 114-128 | 8.6 | 18 |
| 241 | Photocatalytic membrane reactor performance towards oxytetracycline removal from synthetic and real matrices: Suspended vs immobilized TiO2-P25. *Chemical Engineering Journal*, **2019**, 378, 122114 | 14.7 | 33 |
| 240 | Ozonation and ozone-enhanced photocatalysis for VOC removal from air streams: Process optimization, synergy and mechanism assessment. *Science of the Total Environment*, **2019**, 687, 1357-1368 | 10.2 | 42 |
| 239 | Tannin-Adsorbents for Water Decontamination and for the Recovery of Critical Metals: Current State and Future Perspectives. *Biotechnology Journal*, **2019**, 14, e1900060 | 5.6 | 12 |
| 238 | Advances in bromate reduction by heterogeneous photocatalysis: The use of a static mixer as photocatalyst support. *Applied Catalysis B: Environmental*, **2019**, 249, 322-332 | 21.8 | 10 |
| 237 | Effect of catalyst coated surface, illumination mechanism and light source in heterogeneous TiO2 photocatalysis using a mili-photoreactor for n-decane oxidation at gas phase. *Chemical Engineering Journal*, **2019**, 366, 560-568 | 14.7 | 19 |
| 236 | Multistage treatment technology for leachate from mature urban landfill: Full scale operation performance and challenges. *Chemical Engineering Journal*, **2019**, 376, 120573 | 14.7 | 18 |
| 235 | As(III) and Cr(VI) oxyanion removal from water by advanced oxidation/reduction processes-a review. *Environmental Science and Pollution Research*, **2019**, 26, 2203-2227 | 5.1 | 48 |
| 234 | Sulphur compounds removal from an industrial landfill leachate by catalytic oxidation and chemical precipitation: From a hazardous effluent to a value-added product. *Science of the Total Environment* , **2019**, 655, 1249-1260 | 10.2 | 20 |
| 233 | A step forward in heterogeneous photocatalysis: Process intensification by using a static mixer as catalyst support. *Chemical Engineering Journal*, **2018**, 343, 597-606 | 14.7 | 43 |
| 232 | Strategies to reduce mass and photons transfer limitations in heterogeneous photocatalytic processes: Hexavalent chromium reduction studies. *Journal of Environmental Management*, **2018**, 217, 555-564 | 7.9 | 25 |
| 231 | A facile method to prepare translucent anatase thin films in monolithic structures for gas stream purification. *Environmental Science and Pollution Research*, **2018**, 25, 27796-27807 | 5.1 | 1 |
| 230 | Mineralization of humic acids (HAs) by a solar photo-Fenton reaction mediated by ferrioxalate complexes: commercial HAs vs extracted from leachates. *Environmental Science and Pollution Research*, **2018**, 25, 27783-27795 | 5.1 | 5 |
| 229 | Arsenate and arsenite adsorption onto iron-coated cork granulates. *Science of the Total Environment*, **2018**, 642, 1075-1089 | 10.2 | 41 |
| 228 | Application of a micro-meso-structured reactor (NETmix) to promote photochemical UVC/HO processes - oxidation of As(iii) to As(v). *Photochemical and Photobiological Sciences*, **2018**, 17, 1179-1188 | 4.2 | 5 |
| 227 | Recovery and valorization of tannins from a forest waste as an adsorbent for antimony uptake. *Journal of Cleaner Production*, **2018**, 198, 1324-1335 | 10.3 | 20 |
| 226 | Cost-effective solar collector to promote photo-Fenton reactions: A case study on the treatment of urban mature leachate. *Journal of Cleaner Production*, **2018**, 199, 369-382 | 10.3 | 18 |

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| 225 | Brown marine macroalgae as natural cation exchangers for toxic metal removal from industrial wastewaters: A review. *Journal of Environmental Management*, **2018**, 223, 215-253 | 7.9 | 44 |
| 224 | Integrating water quality responses to best management practices in Portugal. *Environmental Science and Pollution Research*, **2018**, 25, 1587-1596 | 5.1 | 11 |
| 223 | Macroalgae Biomass as Sorbent for Metal Ions **2018**, 69-112 | | 7 |
| 222 | Chemical and electrochemical advanced oxidation processes as a polishing step for textile wastewater treatment: A study regarding the discharge into the environment and the reuse in the textile industry. *Journal of Cleaner Production*, **2018**, 198, 430-442 | 10.3 | 40 |
| 221 | Photo-Fenton oxidation of 3-amino-5-methylisoxazole: a by-product from biological breakdown of some pharmaceutical compounds. *Environmental Science and Pollution Research*, **2017**, 24, 6195-6204 | 5.1 | 8 |
| 220 | Intensification of heterogeneous TiO2 photocatalysis using an innovative micro-meso-structured-reactor for Cr(VI) reduction under simulated solar light. *Chemical Engineering Journal*, **2017**, 318, 76-88 | 14.7 | 61 |
| 219 | Mineral oil recovery from cork granules by a mechanical compression method: Compression cycles analysis. *Journal of Cleaner Production*, **2017**, 147, 442-450 | 10.3 | 2 |
| 218 | Cation exchange prediction model for copper binding onto raw brown marine macro-algae Ascophyllum nodosum: Batch and fixed-bed studies. *Chemical Engineering Journal*, **2017**, 316, 255-276 | 14.7 | 15 |
| 217 | Arsenic removal from water using iron-coated seaweeds. *Journal of Environmental Management*, **2017**, 192, 224-233 | 7.9 | 59 |
| 216 | Ferrioxalate complexes as strategy to drive a photo-FENTON reaction at mild pH conditions: A case study on levofloxacin oxidation. *Journal of Photochemistry and Photobiology A: Chemistry*, **2017**, 345, 109-123 | 4.7 | 44 |
| 215 | How the performance of a biological pre-oxidation step can affect a downstream photo-Fenton process on the remediation of mature landfill leachates: Assessment of kinetic parameters and characterization of the bacterial communities. *Separation and Purification Technology*, **2017**, 175, 274-286 | 8.3 | 19 |
| 214 | Biosorption of antimony oxyanions by brown seaweeds: Batch and column studies. *Journal of Environmental Chemical Engineering*, **2017**, 5, 3463-3471 | 6.8 | 26 |
| 213 | Combination of chemical coagulation, photo-Fenton oxidation and biodegradation for the treatment of vinasse from sugar cane ethanol distillery. *Journal of Cleaner Production*, **2017**, 142, 3634-3644 | 10.3 | 35 |
| 212 | An innovative multistage treatment system for sanitary landfill leachate depuration: Studies at pilot-scale. *Science of the Total Environment*, **2017**, 576, 99-117 | 10.2 | 41 |
| 211 | Electrochemical advanced oxidation processes: A review on their application to synthetic and real wastewaters. *Applied Catalysis B: Environmental*, **2017**, 202, 217-261 | 21.8 | 1108 |
| 210 | Green macroalgae from the Romanian coast of Black Sea: Physico-chemical characterization and future perspectives on their use as metal anions biosorbents. *Chemical Engineering Research and Design*, **2017**, 108, 34-43 | 5.5 | 19 |
| 209 | Photocatalytic reduction of Cr(VI) over TiO2-coated cellulose acetate monolithic structures using solar light. *Applied Catalysis B: Environmental*, **2017**, 203, 18-30 | 21.8 | 154 |
| 208 | Bacteria and fungi inactivation by photocatalysis under UVA irradiation: liquid and gas phase. *Environmental Science and Pollution Research*, **2017**, 24, 6372-6381 | 5.1 | 29 |

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| 207 | Remediation of a synthetic textile wastewater from polyester-cotton dyeing combining biological and photochemical oxidation processes. *Separation and Purification Technology*, **2017**, 172, 450-462 | 8.3 | 55 |
| 206 | Intensification of heterogeneous TiO 2 photocatalysis using an innovative micro-meso-structured-photoreactor for n -decane oxidation at gas phase. *Chemical Engineering Journal*, **2017**, 310, 331-341 | 14.7 | 47 |
| 205 | Treatment and Energy Valorisation of an Agro-Industrial Effluent in Upflow Anaerobic Sludge Reactor (UASB). *IOP Conference Series: Earth and Environmental Science*, **2017**, 95, 042045 | 0.3 | |
| 204 | Anaerobic Digestion Performance in the Energy Recovery of Kiwi Residues. *IOP Conference Series: Earth and Environmental Science*, **2017**, 95, 042044 | 0.3 | |
| 203 | Electrochemical advanced oxidation processes for sanitary landfill leachate remediation: Evaluation of operational variables. *Applied Catalysis B: Environmental*, **2016**, 182, 161-171 | 21.8 | 54 |
| 202 | Marine macro-alga Sargassum cymosum as electron donor for hexavalent chromium reduction to trivalent state in aqueous solutions. *Chemical Engineering Journal*, **2016**, 283, 903-910 | 14.7 | 22 |
| 201 | Scale-up and cost analysis of a photo-Fenton system for sanitary landfill leachate treatment. *Chemical Engineering Journal*, **2016**, 283, 76-88 | 14.7 | 62 |
| 200 | Tertiary treatment of a municipal wastewater toward pharmaceuticals removal by chemical and electrochemical advanced oxidation processes. *Water Research*, **2016**, 105, 251-263 | 12.5 | 92 |
| 199 | Solar photocatalytic reduction of Cr(VI) over Fe(III) in the presence of organic sacrificial agents. *Applied Catalysis B: Environmental*, **2016**, 192, 208-219 | 21.8 | 52 |
| 198 | Treatment of sugarcane vinasse by combination of coagulation/flocculation and Fenton's oxidation. *Journal of Environmental Management*, **2016**, 181, 237-248 | 7.9 | 34 |
| 197 | Brown macro-algae as natural cation exchangers for the treatment of zinc containing wastewaters generated in the galvanizing process. *Journal of Cleaner Production*, **2016**, 119, 38-49 | 10.3 | 37 |
| 196 | Adsorption of cationic and anionic azo dyes on sepiolite clay: Equilibrium and kinetic studies in batch mode. *Journal of Environmental Chemical Engineering*, **2016**, 4, 1473-1483 | 6.8 | 86 |
| 195 | Design of a fixed-bed ion-exchange process for the treatment of rinse waters generated in the galvanization process using Laminaria hyperborea as natural cation exchanger. *Water Research*, **2016**, 90, 354-368 | 12.5 | 22 |
| 194 | Assessment of AOPs as a polishing step in the decolourisation of bio-treated textile wastewater: Technical and economic considerations. *Journal of Photochemistry and Photobiology A: Chemistry*, **2016**, 317, 26-38 | 4.7 | 26 |
| 193 | Removal of metal ions from a petrochemical wastewater using brown macro-algae as natural cation-exchangers. *Chemical Engineering Journal*, **2016**, 286, 1-15 | 14.7 | 78 |
| 192 | Coupling of acrylic dyeing wastewater treatment by heterogeneous Fenton oxidation in a continuous stirred tank reactor with biological degradation in a sequential batch reactor. *Journal of Environmental Management*, **2016**, 166, 193-203 | 7.9 | 53 |
| 191 | New insights on the removal of mineral oil from oil-in-water emulsions using cork by-products: Effect of salt and surfactants content. *Chemical Engineering Journal*, **2016**, 285, 709-717 | 14.7 | 28 |
| 190 | Nitrogen Removal from Landfill Leachate by Microalgae. *International Journal of Molecular Sciences*, **2016**, 17, | 6.3 | 32 |

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| 189 | Oil and grease removal from wastewaters: Sorption treatment as an alternative to state-of-the-art technologies. A critical review. *Chemical Engineering Journal*, **2016**, 297, 229-255 | 14.7 | 166 |
| 188 | Assessing the influence of oil and grease and salt content on fish canning wastewater biodegradation through respirometric tests. *Journal of Cleaner Production*, **2016**, 127, 343-351 | 10.3 | 23 |
| 187 | Fish canning industry wastewater variability assessment using multivariate statistical methods. *Chemical Engineering Research and Design*, **2016**, 102, 263-276 | 5.5 | 13 |
| 186 | Bentonitic clay as adsorbent for the decolourisation of dyehouse effluents. *Journal of Cleaner Production*, **2016**, 126, 667-676 | 10.3 | 26 |
| 185 | Antimony oxyanions uptake by green marine macroalgae. *Journal of Environmental Chemical Engineering*, **2016**, 4, 3441-3450 | 6.8 | 19 |
| 184 | Treatment of vegetable oil refinery wastewater by sorption of oil and grease onto regranulated cork □A study in batch and continuous mode. *Chemical Engineering Journal*, **2015**, 268, 92-101 | 14.7 | 22 |
| 183 | Biodegradability and toxicity assessment of a real textile wastewater effluent treated by an optimized electrocoagulation process. *Environmental Technology (United Kingdom)*, **2015**, 36, 496-506 | 2.6 | 24 |
| 182 | Treatment of a simulated textile wastewater in a sequencing batch reactor (SBR) with addition of a low-cost adsorbent. *Journal of Hazardous Materials*, **2015**, 291, 74-82 | 12.8 | 71 |
| 181 | Remediation of a winery wastewater combining aerobic biological oxidation and electrochemical advanced oxidation processes. *Water Research*, **2015**, 75, 95-108 | 12.5 | 54 |
| 180 | The role of emulsion properties and stability in vegetable oil uptake by regranulated cork sorbents. *Journal of Chemical Technology and Biotechnology*, **2015**, 90, 1601-1610 | 3.5 | 4 |
| 179 | Evaluation of a solar/UV annular pilot scale reactor for 24 h continuous photocatalytic oxidation of n-decane. *Chemical Engineering Journal*, **2015**, 280, 409-416 | 14.7 | 20 |
| 178 | Performance evaluation of the main units of a refinery wastewater treatment plant □A case study. *Journal of Environmental Chemical Engineering*, **2015**, 3, 2095-2103 | 6.8 | 13 |
| 177 | Enhancement of a solar photo-Fenton reaction by using ferrioxalate complexes for the treatment of a synthetic cotton-textile dyeing wastewater. *Chemical Engineering Journal*, **2015**, 277, 86-96 | 14.7 | 86 |
| 176 | Fish canning wastewater treatment by activated sludge: Application of factorial design optimization. *Water Resources and Industry*, **2015**, 10, 29-38 | 4.5 | 18 |
| 175 | Selenium contaminated waters: An overview of analytical methods, treatment options and recent advances in sorption methods. *Science of the Total Environment*, **2015**, 521-522, 246-60 | 10.2 | 179 |
| 174 | Oil desorption and recovery from cork sorbents. *Journal of Environmental Chemical Engineering*, **2015**, 3, 2917-2923 | 6.8 | 5 |
| 173 | Insights into solar photo-Fenton reaction parameters in the oxidation of a sanitary landfill leachate at lab-scale. *Journal of Environmental Management*, **2015**, 164, 32-40 | 7.9 | 29 |
| 172 | Photocatalytic oxidation of gaseous perchloroethylene over TiO 2 based paint. *Journal of Photochemistry and Photobiology A: Chemistry*, **2015**, 311, 41-52 | 4.7 | 27 |

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| 171 | Synthesis and characterization of N-modified titania nanotubes for photocatalytic applications. *Environmental Science and Pollution Research*, **2015**, 22, 810-9 | 5.1 | 11 |
| 170 | N-modified TiO 2 photocatalytic activity towards diphenhydramine degradation and Escherichia coli inactivation in aqueous solutions. *Applied Catalysis B: Environmental*, **2015**, 162, 66-74 | 21.8 | 54 |
| 169 | Fish canning industry wastewater treatment for water reuse – a case study. *Journal of Cleaner Production*, **2015**, 87, 603-612 | 10.3 | 65 |
| 168 | Gas phase oxidation of n-decane and PCE by photocatalysis using an annular photoreactor packed with a monolithic catalytic bed coated with P25 and PC500. *Applied Catalysis B: Environmental*, **2015** , 165, 306-315 | 21.8 | 45 |
| 167 | Ion exchange prediction model for multi-metal systems obtained from single-metal systems using the macroalga Pelvetia canaliculata (Phaeophyceae) as a natural cation exchanger. *Chemical Engineering Journal*, **2015**, 260, 694-705 | 14.7 | 10 |
| 166 | Degradation of trimethoprim antibiotic by UVA photoelectro-Fenton process mediated by Fe(III)–carboxylate complexes. *Applied Catalysis B: Environmental*, **2015**, 162, 34-44 | 21.8 | 69 |
| 165 | Performance evaluation of different solar advanced oxidation processes applied to the treatment of a real textile dyeing wastewater. *Environmental Science and Pollution Research*, **2015**, 22, 833-45 | 5.1 | 33 |
| 164 | Solar photocatalytic gas-phase degradation of n-decane--a comparative study using cellulose acetate monoliths coated with P25 or sol-gel TiO2 films. *Environmental Science and Pollution Research*, **2015**, 22, 820-32 | 5.1 | 10 |
| 163 | Modeling of the hydrodynamics and energy expenditure of oxidation ditch aerated with hydrojets using CFD codes. *Water Quality Research Journal of Canada*, **2015**, 50, 83 | 1.7 | 8 |
| 162 | Ion-exchange breakthrough curves for single and multi-metal systems using marine macroalgae Pelvetia canaliculata as a natural cation exchanger. *Chemical Engineering Journal*, **2015**, 269, 359-370 | 14.7 | 22 |
| 161 | Incorporation of electrochemical advanced oxidation processes in a multistage treatment system for sanitary landfill leachate. *Water Research*, **2015**, 81, 375-87 | 12.5 | 82 |
| 160 | Oxidation of microcystin-LR and cylindrospermopsin by heterogeneous photocatalysis using a tubular photoreactor packed with different TiO2 coated supports. *Chemical Engineering Journal*, **2015**, 266, 100-111 | 14.7 | 26 |
| 159 | Effect of TiO2 photocatalysis on the destruction of Microcystis aeruginosa cells and degradation of cyanotoxins microcystin-LR and cylindrospermopsin. *Chemical Engineering Journal*, **2015**, 268, 144-152 | 14.7 | 61 |
| 158 | Enhancement of a solar photo-Fenton reaction with ferric-organic ligands for the treatment of acrylic-textile dyeing wastewater. *Journal of Environmental Management*, **2015**, 152, 120-31 | 7.9 | 71 |
| 157 | Arsenic and antimony in water and wastewater: overview of removal techniques with special reference to latest advances in adsorption. *Journal of Environmental Management*, **2015**, 151, 326-42 | 7.9 | 365 |
| 156 | Insights into solar photo-Fenton process using iron(III)–organic ligand complexes applied to real textile wastewater treatment. *Chemical Engineering Journal*, **2015**, 266, 203-212 | 14.7 | 71 |
| 155 | BIOSORPTION OF ANTIMONY BY BROWN ALGAE S. muticum AND A. nodosum. *Environmental Engineering and Management Journal*, **2015**, 14, 455-463 | 0.6 | 29 |
| 154 | Complexation of lead by organic matter in Luanda Bay, Angola. *Environmental Monitoring and Assessment*, **2015**, 188, 563 | 3.1 | 2 |

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| 153 | Decontamination of an Industrial Cotton Dyeing Wastewater by Chemical and Biological Processes. *Industrial & Engineering Chemistry Research*, **2014**, 53, 2412-2421 | 3.9 | 38 |
| 152 | Optimization of River Water Quality Surveys by Multivariate Analysis of Physicochemical, Bacteriological and Ecotoxicological Data. *Water Resources Management*, **2014**, 28, 1345-1361 | 3.7 | 22 |
| 151 | Enhancement of the photo-Fenton reaction at near neutral pH through the use of ferrioxalate complexes: A case study on trimethoprim and sulfamethoxazole antibiotics removal from aqueous solutions. *Chemical Engineering Journal*, **2014**, 247, 302-313 | 14.7 | 80 |
| 150 | Integrated hydrological and water quality model for river management: a case study on Lena River. *Science of the Total Environment*, **2014**, 485-486, 474-489 | 10.2 | 53 |
| 149 | Synthetic textile dyeing wastewater treatment by integration of advanced oxidation and biological processes Performance analysis with costs reduction. *Journal of Environmental Chemical Engineering*, **2014**, 2, 1027-1039 | 6.8 | 66 |
| 148 | Marine macroalgae Pelvetia canaliculata (Phaeophyceae) as a natural cation exchanger for cadmium and lead ions separation in aqueous solutions. *Chemical Engineering Journal*, **2014**, 242, 294-305 | 14.7 | 40 |
| 147 | Watershed model parameter estimation and uncertainty in data-limited environments. *Environmental Modelling and Software*, **2014**, 51, 84-93 | 5.2 | 44 |
| 146 | Multiple linear and principal component regressions for modelling ecotoxicity bioassay response. *Environmental Technology (United Kingdom)*, **2014**, 35, 945-55 | 2.6 | 4 |
| 145 | Solar photocatalytic oxidation of recalcitrant natural metabolic by-products of amoxicillin biodegradation. *Water Research*, **2014**, 65, 307-20 | 12.5 | 28 |
| 144 | Intensification of a solar photo-Fenton reaction at near neutral pH with ferrioxalate complexes: A case study on diclofenac removal from aqueous solutions. *Chemical Engineering Journal*, **2014**, 256, 448-457 | 14.7 | 66 |
| 143 | Optimization of a primary gravity separation treatment for vegetable oil refinery wastewaters. *Clean Technologies and Environmental Policy*, **2014**, 16, 1725-1734 | 4.3 | 17 |
| 142 | Primary treatment optimization of a fish canning wastewater from a Portuguese plant. *Water Resources and Industry*, **2014**, 6, 51-63 | 4.5 | 20 |
| 141 | Are TiO2-based exterior paints useful catalysts for gas-phase photooxidation processes? A case study on n-decane abatement for air detoxification. *Applied Catalysis B: Environmental*, **2014**, 147, 988-999 | 21.8 | 39 |
| 140 | Marine macroalgae Pelvetia canaliculata (Linnaeus) as natural cation exchanger for metal ions separation: A case study on copper and zinc ions removal. *Chemical Engineering Journal*, **2014**, 247, 320-329 | 14.7 | 34 |
| 139 | Assessment of a multistage system based on electrocoagulation, solar photo-Fenton and biological oxidation processes for real textile wastewater treatment. *Chemical Engineering Journal*, **2014**, 252, 120-130 | 14.7 | 72 |
| 138 | Chemical oxidation of fish canning wastewater by Fenton's reagent. *Journal of Environmental Chemical Engineering*, **2014**, 2, 2372-2376 | 6.8 | 13 |
| 137 | Process enhancement at near neutral pH of a homogeneous photo-Fenton reaction using ferricarboxylate complexes: Application to oxytetracycline degradation. *Chemical Engineering Journal*, **2014**, 253, 217-228 | 14.7 | 64 |
| 136 | Degradation of the antibiotic trimethoprim by electrochemical advanced oxidation processes using a carbon-PTFE air-diffusion cathode and a boron-doped diamond or platinum anode. *Applied Catalysis B: Environmental*, **2014**, 160-161, 492-505 | 21.8 | 143 |

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| 135 | Integrated reduction/oxidation reactions and sorption processes for Cr(VI) removal from aqueous solutions using Laminaria digitata macro-algae. *Chemical Engineering Journal*, **2014**, 237, 443-454 | 14.7 | 62 |
| 134 | A new strategy for treating a cotton dyeing wastewater - integration of physical-chemical and advanced oxidation processes. *International Journal of Environment and Waste Management*, **2014**, 14, 232 | 0.9 | 1 |
| 133 | Technical and economic feasibility of polyester dyeing wastewater treatment by coagulation/flocculation and Fenton's oxidation. *Environmental Technology (United Kingdom)*, **2014**, 35, 1307-19 | 2.6 | 22 |
| 132 | Assessment of solar driven TiO2-assisted photocatalysis efficiency on amoxicillin degradation. *Environmental Science and Pollution Research*, **2014**, 21, 1292-303 | 5.1 | 23 |
| 131 | Insights into real cotton-textile dyeing wastewater treatment using solar advanced oxidation processes. *Environmental Science and Pollution Research*, **2014**, 21, 932-45 | 5.1 | 81 |
| 130 | Decolorization and mineralization of Sunset Yellow FCF azo dye by anodic oxidation, electro-Fenton, UVA photoelectro-Fenton and solar photoelectro-Fenton processes. *Applied Catalysis B: Environmental*, **2013**, 142-143, 877-890 | 21.8 | 144 |
| 129 | Insights into solar TiO2-assisted photocatalytic oxidation of two antibiotics employed in aquatic animal production, oxolinic acid and oxytetracycline. *Science of the Total Environment*, **2013**, 463-464, 274-83 | 10.2 | 78 |
| 128 | Comparative analysis of trace contaminants in leachates before and after a pre-oxidation using a solar photo-Fenton reaction. *Environmental Science and Pollution Research*, **2013**, 20, 5994-6006 | 5.1 | 19 |
| 127 | Applicability of MIEX( )DOC process for organics removal from NOM laden water. *Environmental Science and Pollution Research*, **2013**, 20, 3890-9 | 5.1 | 17 |
| 126 | Biodegradability enhancement of a leachate after biological lagooning using a solar driven photo-Fenton reaction, and further combination with an activated sludge biological process, at pre-industrial scale. *Water Research*, **2013**, 47, 3543-57 | 12.5 | 37 |
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