

Abdeltif Amrane

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279
papers

5,784
citations

39
h-index

58
g-index

285
ext. papers

6,714
ext. citations

4.9
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6.13
L-index

| # | Paper | IF | Citations |
|-----|--|------|-----------|
| 279 | Evaluation of different carbon and nitrogen sources in production of biosurfactant by <i>Pseudomonas fluorescens</i> . <i>Desalination</i> , 2008 , 223, 143-151 | 10.3 | 195 |
| 278 | Ionic liquids: applications and future trends in bioreactor technology. <i>Bioresource Technology</i> , 2010 , 101, 8923-30 | 11 | 171 |
| 277 | Kinetic modelling of the adsorption of nitrates by ion exchange resin. <i>Chemical Engineering Journal</i> , 2006 , 125, 111-117 | 14.7 | 156 |
| 276 | Biodegradation and biosorption of tetracycline and tylosin antibiotics in activated sludge system. <i>Process Biochemistry</i> , 2009 , 44, 1302-1306 | 4.8 | 130 |
| 275 | Silicone oil: An effective absorbent for the removal of hydrophobic volatile organic compounds. <i>Journal of Chemical Technology and Biotechnology</i> , 2010 , 85, 309-313 | 3.5 | 96 |
| 274 | Removal of tetracycline hydrochloride from water based on direct anodic oxidation (Pb/PbO ₂ electrode) coupled to activated sludge culture. <i>Chemical Engineering Journal</i> , 2013 , 221, 418-425 | 14.7 | 92 |
| 273 | Removal of antibiotics by an integrated process coupling photocatalysis and biological treatment □ Case of tetracycline and tylosin. <i>International Biodeterioration and Biodegradation</i> , 2011 , 65, 997-1003 | 4.8 | 91 |
| 272 | Effective heterogeneous electro-Fenton process for the degradation of a malodorous compound, indole, using iron loaded alginate beads as a reusable catalyst. <i>Applied Catalysis B: Environmental</i> , 2016 , 182, 47-58 | 21.8 | 80 |
| 271 | Toxicity and biodegradability of ionic liquids: New perspectives towards whole-cell biotechnological applications. <i>Chemical Engineering Journal</i> , 2011 , 174, 27-32 | 14.7 | 76 |
| 270 | Degradation of enoxacin antibiotic by the electro-Fenton process: Optimization, biodegradability improvement and degradation mechanism. <i>Journal of Environmental Management</i> , 2016 , 165, 96-105 | 7.9 | 73 |
| 269 | Bioaugmentation: Possible solution in the treatment of Bio-Refractory Organic Compounds (Bio-ROCs). <i>Biochemical Engineering Journal</i> , 2012 , 69, 75-86 | 4.2 | 72 |
| 268 | Removal of tetracycline by electrocoagulation: Kinetic and isotherm modeling through adsorption. <i>Journal of Environmental Chemical Engineering</i> , 2014 , 2, 177-184 | 6.8 | 71 |
| 267 | Relevance of an electrochemical process prior to a biological treatment for the removal of an organophosphorous pesticide, phosmet. <i>Journal of Hazardous Materials</i> , 2010 , 181, 617-23 | 12.8 | 68 |
| 266 | Biodegradation by activated sludge and toxicity of tetracycline into a semi-industrial membrane bioreactor. <i>Bioresource Technology</i> , 2009 , 100, 3769-74 | 11 | 67 |
| 265 | Electro-Fenton catalyzed with magnetic chitosan beads for the removal of Chlordimeform insecticide. <i>Applied Catalysis B: Environmental</i> , 2018 , 226, 346-359 | 21.8 | 66 |
| 264 | Photocatalytic reduction of Cr(VI) on the new hetero-system CuAl ₂ O ₄ /TiO ₂ . <i>Journal of Hazardous Materials</i> , 2011 , 186, 1124-30 | 12.8 | 66 |
| 263 | Electrochemical oxidation of 2,4-Dichlorophenoxyacetic acid: Analysis of by-products and improvement of the biodegradability. <i>Chemical Engineering Journal</i> , 2012 , 195-196, 208-217 | 14.7 | 65 |

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| 262 | Tetracycline degradation and mineralization by the coupling of an electro-Fenton pretreatment and a biological process. <i>Journal of Chemical Technology and Biotechnology</i> , 2013 , 88, 1380-1386 | 3.5 | 64 |
| 261 | Potential of ionic liquids for VOC absorption and biodegradation in multiphase systems. <i>Chemical Engineering Science</i> , 2011 , 66, 2707-2712 | 4.4 | 64 |
| 260 | Lactic acid production from lactose in batch culture: analysis of the data with the help of a mathematical model; relevance for nitrogen source and preculture assessment. <i>Applied Microbiology and Biotechnology</i> , 1994 , 40, 644-649 | 5.7 | 62 |
| 259 | VOC absorption in a countercurrent packed-bed column using water/silicone oil mixtures: Influence of silicone oil volume fraction. <i>Chemical Engineering Journal</i> , 2011 , 168, 241-248 | 14.7 | 59 |
| 258 | Effect of pH and salinity on the emulsifying capacity and naphthalene solubility of a biosurfactant produced by <i>Pseudomonas fluorescens</i> . <i>Journal of Hazardous Materials</i> , 2010 , 180, 131-6 | 12.8 | 55 |
| 257 | Biodegradability Improvement of Sulfamethazine Solutions by Means of an electro-Fenton Process. <i>Water, Air, and Soil Pollution</i> , 2012 , 223, 2023-2034 | 2.6 | 54 |
| 256 | Combined process for 2,4-Dichlorophenoxyacetic acid treatment—Coupling of an electrochemical system with a biological treatment. <i>Biochemical Engineering Journal</i> , 2013 , 70, 17-22 | 4.2 | 51 |
| 255 | A Quantitative Structure Activity Relationship for acute oral toxicity of pesticides on rats: Validation, domain of application and prediction. <i>Journal of Hazardous Materials</i> , 2016 , 303, 28-40 | 12.8 | 49 |
| 254 | Retention of phosphorous ions on natural and engineered waste pumice: Characterization, equilibrium, competing ions, regeneration, kinetic, equilibrium and thermodynamic study. <i>Applied Surface Science</i> , 2013 , 284, 419-431 | 6.7 | 49 |
| 253 | Feasibility of an electrochemical pre-treatment prior to a biological treatment for tetracycline removal. <i>Separation and Purification Technology</i> , 2011 , 83, 151-156 | 8.3 | 49 |
| 252 | Photocatalytic Reactors Dedicated to the Degradation of Hazardous Organic Pollutants: Kinetics, Mechanistic Aspects, and Design —A Review. <i>Chemical Engineering Communications</i> , 2016 , 203, 1415-1431 | 12.2 | 48 |
| 251 | Determination of partition coefficients of three volatile organic compounds (dimethylsulphide, dimethyldisulphide and toluene) in water/silicone oil mixtures. <i>Chemical Engineering Journal</i> , 2010 , 162, 927-934 | 14.7 | 47 |
| 250 | Indirect electroreduction as pretreatment to enhance biodegradability of metronidazole. <i>Journal of Hazardous Materials</i> , 2014 , 278, 172-9 | 12.8 | 45 |
| 249 | Removal of Hydrophobic Volatile Organic Compounds in an Integrated Process Coupling Absorption and Biodegradation—Selection of an Organic Liquid Phase. <i>Water, Air, and Soil Pollution</i> , 2012 , 223, 4969-4997 | 2.6 | 45 |
| 248 | Determination of the Henry's constant and the mass transfer rate of VOCs in solvents. <i>Chemical Engineering Journal</i> , 2009 , 150, 426-430 | 14.7 | 45 |
| 247 | Growth and lactic acid production coupling for <i>Lactobacillus helveticus</i> cultivated on supplemented whey: influence of peptidic nitrogen deficiency. <i>Journal of Biotechnology</i> , 1997 , 55, 1-8 | 3.7 | 45 |
| 246 | Synthesis of novel biocomposite powder for simultaneous removal of hazardous ciprofloxacin and methylene blue: Central composite design, kinetic and isotherm studies using Brouers-Sotolongo family models. <i>Journal of Hazardous Materials</i> , 2020 , 387, 121675 | 12.8 | 44 |
| 245 | Assessment of VOC absorption in hydrophobic ionic liquids: Measurement of partition and diffusion coefficients and simulation of a packed column. <i>Chemical Engineering Journal</i> , 2019 , 360, 1416-1426 | 14.7 | 44 |

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| 244 | Improvement of the activated sludge treatment by its combination with electro Fenton for the mineralization of sulfamethazine. <i>International Biodeterioration and Biodegradation</i> , 2014 , 88, 29-36 | 4.8 | 42 |
| 243 | Innovative integrated process for the treatment of azo dyes: coupling of photocatalysis and biological treatment. <i>Desalination</i> , 2008 , 222, 331-339 | 10.3 | 42 |
| 242 | Molecular dynamic simulation and DFT computational studies on the adsorption performances of methylene blue in aqueous solutions by orange peel-modified phosphoric acid. <i>Journal of Molecular Structure</i> , 2020 , 1202, 127290 | 3.4 | 41 |
| 241 | Preparation of novel kaolin-based particle electrodes for treating methyl orange wastewater. <i>Applied Clay Science</i> , 2014 , 99, 178-186 | 5.2 | 40 |
| 240 | Potential of newly isolated wild Streptomyces strains as agents for the biodegradation of a recalcitrant pharmaceutical, carbamazepine. <i>Environmental Technology (United Kingdom)</i> , 2014 , 35, 3082-3091 | 2.6 | 39 |
| 239 | Electrochemical Pre-Treatment Combined with Biological Treatment for the Degradation of Methylene Blue Dye: Pb/PbO ₂ Electrode and Modeling-Optimization through Central Composite Design. <i>Industrial & Engineering Chemistry Research</i> , 2013 , 52, 14743-14751 | 3.9 | 39 |
| 238 | Biofiltration of high concentration of H ₂ S in waste air under extreme acidic conditions. <i>New Biotechnology</i> , 2016 , 33, 136-43 | 6.4 | 38 |
| 237 | Photocatalytic degradation of bezacryl yellow in batch reactors–feasibility of the combination of photocatalysis and a biological treatment. <i>Environmental Technology (United Kingdom)</i> , 2015 , 36, 1-10 | 2.6 | 37 |
| 236 | Heat Attachment Method for the Immobilization of TiO ₂ on Glass Plates: Application to Photodegradation of Basic Yellow Dye and Optimization of Operating Parameters, Using Response Surface Methodology. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 3813-3819 | 3.9 | 37 |
| 235 | Influence of yeast extract concentration on batch cultures of Lactobacillus helveticus: growth and production coupling. <i>World Journal of Microbiology and Biotechnology</i> , 1998 , 14, 529-534 | 4.4 | 37 |
| 234 | Growth of Geotrichum candidum and Penicillium camembertii in liquid media in relation with the consumption of carbon and nitrogen sources and the release of ammonia and carbon dioxide. <i>Enzyme and Microbial Technology</i> , 2002 , 31, 533-542 | 3.8 | 37 |
| 233 | Reactive oxygen and iron species monitoring to investigate the electro-Fenton performances. Impact of the electrochemical process on the biodegradability of metronidazole and its by-products. <i>Chemosphere</i> , 2018 , 199, 486-494 | 8.4 | 36 |
| 232 | Impact of nutrients supply and pH changes on the elimination of hydrogen sulfide, dimethyl disulfide and ethanethiol by biofiltration. <i>Chemical Engineering Journal</i> , 2014 , 258, 420-426 | 14.7 | 36 |
| 231 | Molecular modeling of cationic dyes adsorption on agricultural Algerian olive cake waste. <i>Journal of Molecular Liquids</i> , 2018 , 264, 127-133 | 6 | 36 |
| 230 | Metronidazole removal by means of a combined system coupling an electro-Fenton process and a conventional biological treatment: By-products monitoring and performance enhancement. <i>Journal of Hazardous Materials</i> , 2018 , 359, 85-95 | 12.8 | 35 |
| 229 | Microwave-enhanced Fenton-like system, Cu(II)/H ₂ O ₂ , for olive mill wastewater treatment. <i>Environmental Technology (United Kingdom)</i> , 2013 , 34, 853-60 | 2.6 | 34 |
| 228 | Mineralization of synthetic and industrial pharmaceutical effluent containing trimethoprim by combining electro-Fenton and activated sludge treatment. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2015 , 53, 58-67 | 5.3 | 33 |
| 227 | Combination of an electrochemical pretreatment with a biological oxidation for the mineralization of nonbiodegradable organic dyes: Basic yellow 28 dye. <i>Environmental Progress and Sustainable Energy</i> , 2014 , 33, 160-169 | 2.5 | 33 |

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| 226 | Optimization of medium composition for enhanced chitin extraction from <i>Parapenaeus longirostris</i> by <i>Lactobacillus helveticus</i> using response surface methodology. <i>Food Hydrocolloids</i> , 2013 , 31, 392-403 | 10.6 | 32 |
| 225 | Efficiency of DMSO as hydroxyl radical probe in an Electrochemical Advanced Oxidation Process □ Reactive oxygen species monitoring and impact of the current density. <i>Electrochimica Acta</i> , 2017 , 246, 1-8 | 6.7 | 31 |
| 224 | Equilibrium sorption isotherms for nitrate on resin Amberlite IRA 400. <i>Journal of Hazardous Materials</i> , 2009 , 165, 27-33 | 12.8 | 31 |
| 223 | Response surface optimization of experimental conditions for carbamazepine biodegradation by <i>Streptomyces</i> MIUG 4.89. <i>New Biotechnology</i> , 2015 , 32, 347-57 | 6.4 | 30 |
| 222 | Hydrophobic VOC absorption in two-phase partitioning bioreactors; influence of silicone oil volume fraction on absorber diameter. <i>Chemical Engineering Science</i> , 2012 , 71, 146-152 | 4.4 | 30 |
| 221 | A novel concept of bioreactor: Specialized function two-stage continuous reactor, and its application to lactose conversion into lactic acid. <i>Journal of Biotechnology</i> , 1996 , 45, 195-203 | 3.7 | 30 |
| 220 | Mathematical model for lactic acid production from lactose in batch culture: Model development and simulation. <i>Journal of Chemical Technology and Biotechnology</i> , 1994 , 60, 241-246 | 3.5 | 30 |
| 219 | Application of acidic treated pumice as an adsorbent for the removal of azo dye from aqueous solutions: kinetic, equilibrium and thermodynamic studies. <i>Iranian Journal of Environmental Health Science & Engineering</i> , 2012 , 9, 9 | | 29 |
| 218 | Photocatalysis as a pre-treatment prior to a biological degradation of cyproconazole. <i>Desalination</i> , 2011 , 281, 61-67 | 10.3 | 29 |
| 217 | Direct and indirect electrochemical reduction prior to a biological treatment for dimetridazole removal. <i>Journal of Hazardous Materials</i> , 2017 , 335, 10-17 | 12.8 | 28 |
| 216 | Relevance of a combined process coupling electro-Fenton and biological treatment for the remediation of sulfamethazine solutions □ Application to an industrial pharmaceutical effluent. <i>Comptes Rendus Chimie</i> , 2015 , 18, 39-44 | 2.7 | 28 |
| 215 | QSAR modeling in ecotoxicological risk assessment: application to the prediction of acute contact toxicity of pesticides on bees (<i>Apis mellifera</i> L.). <i>Environmental Science and Pollution Research</i> , 2018 , 25, 896-907 | 5.1 | 28 |
| 214 | Dark fermentative hydrogen production by anaerobic sludge growing on glucose and ammonium resulting from nitrate electroreduction. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 5445-5455 | 6.7 | 28 |
| 213 | Reactive species monitoring and their contribution for removal of textile effluent with photocatalysis under UV and visible lights: Dynamics and mechanism. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018 , 365, 94-102 | 4.7 | 28 |
| 212 | Batch cultures of supplemented whey permeate using <i>Lactobacillus helveticus</i> : unstructured model for biomass formation, substrate consumption and lactic acid production. <i>Enzyme and Microbial Technology</i> , 2001 , 28, 827-834 | 3.8 | 28 |
| 211 | Synthesis and toxicity evaluation of hydrophobic ionic liquids for volatile organic compounds biodegradation in a two-phase partitioning bioreactor. <i>Journal of Hazardous Materials</i> , 2016 , 307, 221-30 | 12.8 | 27 |
| 210 | Electro-Fenton pretreatment for the improvement of tylosin biodegradability. <i>Environmental Science and Pollution Research</i> , 2014 , 21, 8534-42 | 5.1 | 27 |
| 209 | Characterization and selection of waste oils for the absorption and biodegradation of VOC of different hydrophobicities. <i>Chemical Engineering Research and Design</i> , 2018 , 138, 482-489 | 5.5 | 27 |

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| 208 | Relevance of a hybrid process coupling adsorption and visible light photocatalysis involving a new hetero-system CuCo ₂ O ₄ /TiO ₂ for the removal of hexavalent chromium. <i>Journal of Environmental Chemical Engineering</i> , 2015 , 3, 548-559 | 6.8 | 26 |
| 207 | Combination of the Electro/Fe/peroxydisulfate (PDS) process with activated sludge culture for the degradation of sulfamethazine. <i>Environmental Toxicology and Pharmacology</i> , 2017 , 53, 34-39 | 5.8 | 25 |
| 206 | Valorization of an agricultural waste, Stipa tenassicima fibers, by biosorption of an anionic azo dye, Congo red. <i>Desalination and Water Treatment</i> , 2015 , 54, 245-254 | | 25 |
| 205 | Combined electrochemical treatment/biological process for the removal of a commercial herbicide solution, U46D ₃ . <i>Separation and Purification Technology</i> , 2014 , 132, 704-711 | 8.3 | 25 |
| 204 | A new turbidimetric device for on-line monitoring of growth of filamentous microorganisms. <i>Journal of Microbiological Methods</i> , 1998 , 33, 37-43 | 2.8 | 25 |
| 203 | Carbon and nitrogen substrates consumption, ammonia release and proton transfer in relation with growth of <i>Geotrichum candidum</i> and <i>Penicillium camemberti</i> on a solid medium. <i>Journal of Biotechnology</i> , 2002 , 95, 99-108 | 3.7 | 25 |
| 202 | Photocatalytic Performance of CuO/TiO ₂ Deposited by HiPIMS on Polyester under Visible Light LEDs: Oxidants, Ions Effect, and Reactive Oxygen Species Investigation. <i>Materials</i> , 2019 , 12, | 3.5 | 24 |
| 201 | Preparation and characterization of cross-linked enzyme aggregates (CLEAs) of Brassica rapa peroxidase. <i>Biocatalysis and Agricultural Biotechnology</i> , 2015 , 4, 208-213 | 4.2 | 24 |
| 200 | The combination of photocatalysis process (UV/TiO ₂ (P25) and UV/ZnO) with activated sludge culture for the degradation of sulfamethazine. <i>Separation Science and Technology</i> , 2018 , 53, 1423-1433 | 2.5 | 24 |
| 199 | Effect of the dissolved oxygen on the bioproduction of glycerol and ethanol by <i>Hansenula anomala</i> growing under salt stress conditions. <i>Journal of Biotechnology</i> , 2006 , 125, 95-103 | 3.7 | 24 |
| 198 | A new bipyridyl cobalt complex for reductive dechlorination of pesticides. <i>Electrochimica Acta</i> , 2016 , 207, 313-320 | 6.7 | 24 |
| 197 | Direct electrochemical oxidation of a pesticide, 2,4-dichlorophenoxyacetic acid, at the surface of a graphite felt electrode: Biodegradability improvement. <i>Comptes Rendus Chimie</i> , 2015 , 18, 32-38 | 2.7 | 23 |
| 196 | Computational study of acid blue 80 dye adsorption on low cost agricultural Algerian olive cake waste: Statistical mechanics and molecular dynamic simulations. <i>Journal of Molecular Liquids</i> , 2018 , 271, 40-50 | 6 | 23 |
| 195 | Artificial neural network modeling of cefixime photodegradation by synthesized CoBiO nanoparticles. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 15436-15452 | 5.1 | 23 |
| 194 | A comparative study of ceramic nanoparticles synthesized for antibiotic removal: catalysis characterization and photocatalytic performance modeling. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 13900-13912 | 5.1 | 23 |
| 193 | Removal of hydrogen sulfide in air using cellular concrete waste: Biotic and abiotic filtrations. <i>Chemical Engineering Journal</i> , 2017 , 319, 268-278 | 14.7 | 22 |
| 192 | Optimization of the volume fraction of the NAPL, silicone oil, and biodegradation kinetics of toluene and DMDS in a TPPB. <i>International Biodeterioration and Biodegradation</i> , 2012 , 71, 9-14 | 4.8 | 22 |
| 191 | Unstructured model for batch cultures without pH control of <i>Lactobacillus helveticus</i> Inhibitory effect of the undissociated lactic acid. <i>Biochemical Engineering Journal</i> , 2007 , 35, 289-294 | 4.2 | 22 |

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| 190 | Combined use of waste materials Recovery of chitin from shrimp shells by lactic acid fermentation supplemented with date juice waste or glucose. <i>Journal of Chemical Technology and Biotechnology</i> , 2008 , 83, 1664-1669 | 3.5 | 22 |
| 189 | Analysis of growth and production coupling for batch cultures of <i>Lactobacillus helveticus</i> with the help of an unstructured model. <i>Process Biochemistry</i> , 1999 , 34, 1-10 | 4.8 | 22 |
| 188 | Differentiation of pH and free lactic acid effects on the various growth and production phases of <i>lactobacillus helveticus</i> . <i>Journal of Chemical Technology and Biotechnology</i> , 1999 , 74, 33-40 | 3.5 | 22 |
| 187 | Biofiltration of H ₂ S in air Experimental comparisons of original packing materials and modeling. <i>Biochemical Engineering Journal</i> , 2016 , 112, 153-160 | 4.2 | 22 |
| 186 | Removal of the anionic dye Biebrich scarlet from water by adsorption to calcined and non-calcined MgAl layered double hydroxides. <i>Desalination and Water Treatment</i> , 2016 , 57, 22061-22073 | | 21 |
| 185 | Artificial neural network-based equation to predict the toxicity of herbicides on rats. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2016 , 154, 7-15 | 3.8 | 21 |
| 184 | Toluene degradation in a two-phase partitioning bioreactor involving a hydrophobic ionic liquid as a non-aqueous phase liquid. <i>International Biodeterioration and Biodegradation</i> , 2017 , 117, 31-38 | 4.8 | 21 |
| 183 | Preparation of Silver-Modified Nickel Foams by Galvanic Displacement and Their Use as Cathodes for the Reductive Dechlorination of Herbicides. <i>ChemElectroChem</i> , 2016 , 3, 2084-2092 | 4.3 | 21 |
| 182 | Characterization and Selection of Packing Materials for Biofiltration of Rendering Odourous Emissions. <i>Water, Air, and Soil Pollution</i> , 2013 , 224, 1 | 2.6 | 20 |
| 181 | Characterization of gaseous odorous emissions from a rendering plant by GC/MS and treatment by biofiltration. <i>Journal of Environmental Management</i> , 2013 , 128, 981-7 | 7.9 | 20 |
| 180 | Alachlor dechlorination prior to an electro-Fenton process: Influence on the biodegradability of the treated solution. <i>Separation and Purification Technology</i> , 2020 , 232, 115936 | 8.3 | 20 |
| 179 | Integration of Adsorption and Photocatalytic Degradation of Methylene Blue Using (hbox {TiO}_{2}) Supported on Granular Activated Carbon. <i>Arabian Journal for Science and Engineering</i> , 2017 , 42, 1475-1486 | 2.5 | 19 |
| 178 | Novel activated carbon prepared from an agricultural waste, <i>Stipa tenacissima</i> , based on ZnCl ₂ activation Characterization and application to the removal of methylene blue. <i>Desalination and Water Treatment</i> , 2016 , 57, 24056-24069 | | 19 |
| 177 | Residue of dates from the food industry as a new cheap feedstock for ethanol production. <i>Biomass and Bioenergy</i> , 2014 , 69, 66-70 | 5.3 | 19 |
| 176 | Removal of a mixture tetracycline-tylosin from water based on anodic oxidation on a glassy carbon electrode coupled to activated sludge. <i>Environmental Technology (United Kingdom)</i> , 2015 , 36, 1837-46 | 2.6 | 19 |
| 175 | Kinetics of toluene and sulfur compounds removal by means of an integrated process involving the coupling of absorption and biodegradation. <i>Journal of Chemical Technology and Biotechnology</i> , 2010 , 85, 1156-1161 | 3.5 | 19 |
| 174 | Enhanced proteolytic activities of <i>Geotrichum candidum</i> and <i>Penicillium camembertii</i> in mixed culture. <i>Enzyme and Microbial Technology</i> , 2006 , 39, 325-331 | 3.8 | 19 |
| 173 | Evidences for synergistic effects of <i>Geotrichum candidum</i> on <i>Penicillium camembertii</i> growing on cheese juice. <i>Enzyme and Microbial Technology</i> , 2005 , 37, 218-224 | 3.8 | 19 |

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| 172 | Influence of media composition on lactic acid production rate from whey by <i>Lactobacillus helveticus</i> . <i>Biotechnology Letters</i> , 1993 , 15, 239-244 | 3 | 19 |
| 171 | Combined process for removal of tetracycline antibiotic [Coupling pre-treatment with a nickel-modified graphite felt electrode and a biological treatment. <i>International Biodeterioration and Biodegradation</i> , 2015 , 103, 147-153 | 4.8 | 18 |
| 170 | The use of a forest waste biomass, cone of <i>Pinus brutia</i> for the removal of an anionic azo dye Congo red from aqueous medium. <i>Desalination and Water Treatment</i> , 2015 , 55, 1956-1965 | | 18 |
| 169 | Heterogeneous Fenton like degradation of olive Mill wastewater using ozone in the presence of BiFeO ₃ photocatalyst. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019 , 383, 112012 | 4.7 | 18 |
| 168 | Absorption and Biodegradation of Hydrophobic Volatile Organic Compounds in Ionic Liquids. <i>Water, Air, and Soil Pollution</i> , 2013 , 224, 1 | 2.6 | 18 |
| 167 | Absorption and biodegradation of hydrophobic volatile organic compounds: determination of Henry's constants and biodegradation levels. <i>Water Science and Technology</i> , 2009 , 59, 1315-22 | 2.2 | 18 |
| 166 | Relevance of Photocatalysis prior to Biological Treatment of Organic Pollutants [Selection Criteria. <i>Chemical Engineering and Technology</i> , 2012 , 35, 238-246 | 2 | 17 |
| 165 | Removal of Cr(VI) from Model Solutions by a Combined Electrocoagulation Sorption Process. <i>Chemical Engineering and Technology</i> , 2013 , 36, 147-155 | 2 | 17 |
| 164 | Integration of photocatalysis and biological treatment for azo dye removal--application to AR183. <i>Environmental Technology (United Kingdom)</i> , 2011 , 32, 507-14 | 2.6 | 17 |
| 163 | Lactic acid production rates during the different growth phases of <i>Lactobacillus helveticus</i> cultivated on whey supplemented with yeast extract. <i>Biotechnology Letters</i> , 1998 , 20, 379-383 | 3 | 17 |
| 162 | Effect of medium osmolarity on the bioproduction of glycerol and ethanol by <i>Hansenula anomala</i> growing on glucose and ammonium. <i>Applied Microbiology and Biotechnology</i> , 2005 , 69, 341-9 | 5.7 | 17 |
| 161 | Synthesis and Characterization of ZnBi ₂ O ₄ Nanoparticles: Photocatalytic Performance for Antibiotic Removal under Different Light Sources. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 3975 | 2.6 | 17 |
| 160 | Cationic Surfactant-modified Clay as an Adsorbent for the Removal of Synthetic Dyes from Aqueous Solutions. <i>International Journal of Chemical Reactor Engineering</i> , 2018 , 16, | 1.2 | 16 |
| 159 | Absorption of toluene in silicone oil: Effect of the solvent viscosity on hydrodynamics and mass transfer. <i>Chemical Engineering Research and Design</i> , 2016 , 109, 32-40 | 5.5 | 16 |
| 158 | A generalised unstructured model for batch cultures of <i>Lactobacillus helveticus</i> . <i>Enzyme and Microbial Technology</i> , 2007 , 41, 377-382 | 3.8 | 16 |
| 157 | Adsorption of ethyl violet dye in aqueous solution by forest wastes, wild carob. <i>Desalination and Water Treatment</i> , 2016 , 57, 9859-9870 | | 15 |
| 156 | Absorption and biodegradation of toluene: Optimization of its initial concentration and the biodegradable non-aqueous phase liquid volume fraction. <i>International Biodeterioration and Biodegradation</i> , 2015 , 104, 350-355 | 4.8 | 15 |
| 155 | The feasibility of combining an electrochemical treatment on a carbon felt electrode and a biological treatment for the degradation of tetracycline and tylosin [Application of the experimental design methodology. <i>Separation Science and Technology</i> , 2018 , 53, 337-348 | 2.5 | 15 |

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| 154 | Flow electrolysis on high surface electrode for biodegradability enhancement of sulfamethazine solutions. <i>Journal of Electroanalytical Chemistry</i> , 2013 , 707, 122-128 | 4.1 | 15 |
| 153 | Electrochemical Reduction Prior to Electro-Fenton Oxidation of Azo Dyes: Impact of the Pretreatment on Biodegradability. <i>Water, Air, and Soil Pollution</i> , 2013 , 224, 1 | 2.6 | 15 |
| 152 | Photocatalytic performance of TiO ₂ impregnated polyester for the degradation of Reactive Green 12: Implications of the surface pretreatment and the microstructure. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017 , 346, 493-501 | 4.7 | 15 |
| 151 | Analysis of the kinetics of growth and lactic acid production for <i>Lactobacillus helveticus</i> growing on supplemented whey permeate. <i>Journal of Chemical Technology and Biotechnology</i> , 2005 , 80, 345-352 | 3.5 | 15 |
| 150 | A new model for the reconstruction of biomass history from carbon dioxide emission during batch cultivation of <i>Geotrichum candidum</i> . <i>Journal of Bioscience and Bioengineering</i> , 2001 , 91, 570-575 | 3.3 | 15 |
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