Abdeltif Amrane

List of Publications by Year
in descending order

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284	7,795	50276	95266
papers	citations	46 h-index	68 g-index

285	285	285	7056
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Evaluation of different carbon and nitrogen sources in production of biosurfactant by Pseudomonas fluorescens. Desalination, 2008, 223, 143-151.	8.2	249
2	Kinetic modelling of the adsorption of nitrates by ion exchange resin. Chemical Engineering Journal, 2006, 125, 111-117.	12.7	209
3	Ionic liquids: Applications and future trends in bioreactor technology. Bioresource Technology, 2010, 101, 8923-8930.	9.6	181
4	Biodegradation and biosorption of tetracycline and tylosin antibiotics in activated sludge system. Process Biochemistry, 2009, 44, 1302-1306.	3.7	162
5	Silicone oil: An effective absorbent for the removal of hydrophobic volatile organic compounds. Journal of Chemical Technology and Biotechnology, 2010, 85, 309-313.	3.2	111
6	Removal of antibiotics by an integrated process coupling photocatalysis and biological treatment â€“ Case of tetracycline and tylosin. International Biodeterioration and Biodegradation, 2011, 65, 997-1003.	3.9	110
7	Removal of tetracycline hydrochloride from water based on direct anodic oxidation (Pb/PbO2) Tj ETQq1 1 0.784314 rgBT /Overlock 10	12.7	108
8	Effective heterogeneous electro-Fenton process for the degradation of a malodorous compound, indole, using iron loaded alginate beads as a reusable catalyst. Applied Catalysis B: Environmental, 2016, 182, 47-58.	20.2	99
9	Degradation of enoxacin antibiotic by the electro-Fenton process: Optimization, biodegradability improvement and degradation mechanism. Journal of Environmental Management, 2016, 165, 96-105.	7.8	97
10	Removal of tetracycline by electrocoagulation: Kinetic and isotherm modeling through adsorption. Journal of Environmental Chemical Engineering, 2014, 2, 177-184.	6.7	91
11	Bioaugmentation: Possible solution in the treatment of Bio-Refractory Organic Compounds (Bio-ROCs). Biochemical Engineering Journal, 2012, 69, 75-86.	3.6	89
12	Electro-Fenton catalyzed with magnetic chitosan beads for the removal of Chlordimeform insecticide. Applied Catalysis B: Environmental, 2018, 226, 346-359.	20.2	89
13	Toxicity and biodegradability of ionic liquids: New perspectives towards whole-cell biotechnological applications. Chemical Engineering Journal, 2011, 174, 27-32.	12.7	86
14	Potential of ionic liquids for VOC absorption and biodegradation in multiphase systems. Chemical Engineering Science, 2011, 66, 2707-2712.	3.8	84
15	Tetracycline degradation and mineralization by the coupling of an electroâ€Fenton pretreatment and a biological process. Journal of Chemical Technology and Biotechnology, 2013, 88, 1380-1386.	3.2	82
16	VOC absorption in a countercurrent packed-bed column using water/silicone oil mixtures: Influence of silicone oil volume fraction. Chemical Engineering Journal, 2011, 168, 241-248.	12.7	80
17	Photocatalytic reduction of Cr(VI) on the new hetero-system CuAl2O4/TiO2. Journal of Hazardous Materials, 2011, 186, 1124-1130.	12.4	79
18	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. Journal of Hazardous Materials, 2020, 387, 121675.	12.4	77

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19	Molecular dynamic simulation and DFT computational studies on the adsorption performances of methylene blue in aqueous solutions by orange peel-modified phosphoric acid. Journal of Molecular Structure, 2020, 1202, 127290.	3.6	77
20	Relevance of an electrochemical process prior to a biological treatment for the removal of an organophosphorous pesticide, phosmet. Journal of Hazardous Materials, 2010, 181, 617-623.	12.4	75
21	Biodegradation by activated sludge and toxicity of tetracycline into a semi-industrial membrane bioreactor. Bioresource Technology, 2009, 100, 3769-3774.	9.6	73
22	Electrochemical oxidation of 2,4-Dichlorophenoxyacetic acid: Analysis of by-products and improvement of the biodegradability. Chemical Engineering Journal, 2012, 195-196, 208-217.	12.7	73
23	Assessment of VOC absorption in hydrophobic ionic liquids: Measurement of partition and diffusion coefficients and simulation of a packed column. Chemical Engineering Journal, 2019, 360, 1416-1426.	12.7	73
24	A Quantitative Structure Activity Relationship for acute oral toxicity of pesticides on rats: Validation, domain of application and prediction. Journal of Hazardous Materials, 2016, 303, 28-40.	12.4	71
25	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. Applied Microbiology and Biotechnology, 1994, 40, 644-649.	3.6	69
26	Metronidazole removal by means of a combined system coupling an electro-Fenton process and a conventional biological treatment: By-products monitoring and performance enhancement. Journal of Hazardous Materials, 2018, 359, 85-95.	12.4	66
27	Effect of pH and salinity on the emulsifying capacity and naphthalene solubility of a biosurfactant produced by Pseudomonas fluorescens. Journal of Hazardous Materials, 2010, 180, 131-136.	12.4	65
28	Photocatalytic Reactors Dedicated to the Degradation of Hazardous Organic Pollutants: Kinetics, Mechanistic Aspects, and Design â€“ A Review. Chemical Engineering Communications, 2016, 203, 1415-1431.	2.6	65
29	Retention of phosphorous ions on natural and engineered waste pumice: Characterization, equilibrium, competing ions, regeneration, kinetic, equilibrium and thermodynamic study. Applied Surface Science, 2013, 284, 419-431.	6.1	63
30	Biodegradability Improvement of Sulfamethazine Solutions by Means of an electro-Fenton Process. Water, Air, and Soil Pollution, 2012, 223, 2023-2034.	2.4	61
31	Feasibility of an electrochemical pre-treatment prior to a biological treatment for tetracycline removal. Separation and Purification Technology, 2011, 83, 151-156.	7.9	60
32	Combined process for 2,4-Dichlorophenoxyacetic acid treatmentâ€”Coupling of an electrochemical system with a biological treatment. Biochemical Engineering Journal, 2013, 70, 17-22.	3.6	59
33	Peroxidase enzymes as green catalysts for bioremediation and biotechnological applications: A review. Science of the Total Environment, 2022, 806, 150500.	8.0	59
34	Determination of the Henry's constant and the mass transfer rate of VOCs in solvents. Chemical Engineering Journal, 2009, 150, 426-430.	12.7	58
35	Indirect electroreduction as pretreatment to enhance biodegradability of metronidazole. Journal of Hazardous Materials, 2014, 278, 172-179.	12.4	58
36	Potential of newly isolated wildStreptomycesstrains as agents for the biodegradation of a recalcitrant pharmaceutical, carbamazepine. Environmental Technology (United Kingdom), 2014, 35, 3082-3091.	2.2	57

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37	Preparation of novel kaolin-based particle electrodes for treating methyl orange wastewater. Applied Clay Science, 2014, 99, 178-186.	5.2	55
38	Removal of Hydrophobic Volatile Organic Compounds in an Integrated Process Coupling Absorption and Biodegradationâ€"Selection of an Organic Liquid Phase. Water, Air, and Soil Pollution, 2012, 223, 4969-4997.	2.4	53
39	Determination of partition coefficients of three volatile organic compounds (dimethylsulphide,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 162, 927-934.	12.7	52
40	Growth and lactic acid production coupling for Lactobacillus helveticus cultivated on supplemented whey: influence of peptidic nitrogen deficiency. Journal of Biotechnology, 1997, 55, 1-8.	3.8	50
41	Improvement of the activated sludge treatment by its combination with electro Fenton for the mineralization of sulfamethazine. International Biodeterioration and Biodegradation, 2014, 88, 29-36.	3.9	50
42	Title is missing!. World Journal of Microbiology and Biotechnology, 1998, 14, 529-534.	3.6	49
43	Photocatalytic Performance of CuxO/TiO2 Deposited by HiPIMS on Polyester under Visible Light LEDs: Oxidants, Ions Effect, and Reactive Oxygen Species Investigation. Materials, 2019, 12, 412.	2.9	49
44	Biofiltration of high concentration of H2S in waste air under extreme acidic conditions. New Biotechnology, 2016, 33, 136-143.	4.4	48
45	Efficiency of DMSO as hydroxyl radical probe in an Electrochemical Advanced Oxidation Process â˜' Reactive oxygen species monitoring and impact of the current density. Electrochimica Acta, 2017, 246, 1-8.	5.2	48
46	Innovative integrated process for the treatment of azo dyes: coupling of photocatalysis and biological treatment. Desalination, 2008, 222, 331-339.	8.2	46
47	Optimization of medium composition for enhanced chitin extraction from Parapenaeus longirostris by Lactobacillus helveticus using response surface methodology. Food Hydrocolloids, 2013, 31, 392-403.	10.7	46
48	Heat Attachment Method for the Immobilization of TiO₂ on Glass Plates: Application to Photodegradation of Basic Yellow Dye and Optimization of Operating Parameters, Using Response Surface Methodology. Industrial & Engineering Chemistry Research, 2014, 53, 3813-3819.	3.7	46
49	Mineralization of synthetic and industrial pharmaceutical effluent containing trimethoprim by combining electro-Fenton and activated sludge treatment. Journal of the Taiwan Institute of Chemical Engineers, 2015, 53, 58-67.	5.3	46
50	Molecular modeling of cationic dyes adsorption on agricultural Algerian olive cake waste. Journal of Molecular Liquids, 2018, 264, 127-133.	4.9	46
51	Reactive species monitoring and their contribution for removal of textile effluent with photocatalysis under UV and visible lights: Dynamics and mechanism. Journal of Photochemistry and Photobiology A: Chemistry, 2018, 365, 94-102.	3.9	45
52	Artificial neural network modeling of cefixime photodegradation by synthesized CoBi2O4 nanoparticles. Environmental Science and Pollution Research, 2021, 28, 15436-15452.	5.3	45
53	Electrochemical Pre-Treatment Combined with Biological Treatment for the Degradation of Methylene Blue Dye: Pb/PbO₂ Electrode and Modeling-Optimization through Central Composite Design. Industrial & Engineering Chemistry Research, 2013, 52, 14743-14751.	3.7	44
54	Impact of nutrients supply and pH changes on the elimination of hydrogen sulfide, dimethyl disulfide and ethanethiol by biofiltration. Chemical Engineering Journal, 2014, 258, 420-426.	12.7	44

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55	Direct and indirect electrochemical reduction prior to a biological treatment for dimetridazole removal. Journal of Hazardous Materials, 2017, 335, 10-17.	12.4	44
56	Microwave-enhanced Fenton-like system, Cu(II)/H₂O₂, for olive mill wastewater treatment. Environmental Technology (United Kingdom), 2013, 34, 853-860.	2.2	43
57	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. Chemosphere, 2018, 199, 486-494.	8.2	43
58	Characterization and selection of waste oils for the absorption and biodegradation of VOC of different hydrophobicities. Chemical Engineering Research and Design, 2018, 138, 482-489.	5.6	43
59	Application of acidic treated pumice as an adsorbent for the removal of azo dye from aqueous solutions: kinetic, equilibrium and thermodynamic studies. Iranian Journal of Environmental Health Science & Engineering, 2012, 9, 9.	1.8	40
60	A novel system coupling an electro-Fenton process and an advanced biological process to remove a pharmaceutical compound, metronidazole. Journal of Hazardous Materials, 2021, 415, 125705.	12.4	40
61	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. Enzyme and Microbial Technology, 2002, 31, 533-542.	3.2	39
62	Photocatalytic degradation of bezacryl yellow in batch reactors â€“ feasibility of the combination of photocatalysis and a biological treatment. Environmental Technology (United Kingdom), 2015, 36, 1-10.	2.2	39
63	Dark fermentative hydrogen production by anaerobic sludge growing on glucose and ammonium resulting from nitrate electroreduction. International Journal of Hydrogen Energy, 2016, 41, 5445-5455.	7.1	39
64	A comparative study of ceramic nanoparticles synthesized for antibiotic removal: catalysis characterization and photocatalytic performance modeling. Environmental Science and Pollution Research, 2021, 28, 13900-13912.	5.3	39
65	Synthesis and Characterization of ZnBi2O4 Nanoparticles: Photocatalytic Performance for Antibiotic Removal under Different Light Sources. Applied Sciences (Switzerland), 2021, 11, 3975.	2.5	39
66	Relevance of a combined process coupling electro-Fenton and biological treatment for the remediation of sulfamethazine solutionsÂâ€“ÂApplication to an industrial pharmaceutical effluent. Comptes Rendus Chimie, 2015, 18, 39-44.	0.5	38
67	Combination of an electrochemical pretreatment with a biological oxidation for the mineralization of nonbiodegradable organic dyes: Basic yellow 28 dye. Environmental Progress and Sustainable Energy, 2014, 33, 160-169.	2.3	37
68	QSAR modeling in ecotoxicological risk assessment: application to the prediction of acute contact toxicity of pesticides on bees (Apis mellifera L.). Environmental Science and Pollution Research, 2018, 25, 896-907.	5.3	37
69	Equilibrium sorption isotherms for nitrate on resin Amberlite IRA 400. Journal of Hazardous Materials, 2009, 165, 27-33.	12.4	36
70	Mathematical model for lactic acid production from lactose in batch culture: Model development and simulation. Journal of Chemical Technology and Biotechnology, 1994, 60, 241-246.	3.2	35
71	A novel concept of bioreactor: Specialized function two-stage continuous reactor, and its application to lactose conversion into lactic acid. Journal of Biotechnology, 1996, 45, 195-203.	3.8	35
72	Hydrophobic VOC absorption in two-phase partitioning bioreactors; influence of silicone oil volume fraction on absorber diameter. Chemical Engineering Science, 2012, 71, 146-152.	3.8	34

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73	Response surface optimization of experimental conditions for carbamazepine biodegradation by Streptomyces MIUG 4.89. New Biotechnology, 2015, 32, 347-357.	4.4	34
74	Combination of the Electro/Fe3+/peroxydisulfate (PDS) process with activated sludge culture for the degradation of sulfamethazine. Environmental Toxicology and Pharmacology, 2017, 53, 34-39.	4.0	34
75	Computational study of acid blue 80 dye adsorption on low cost agricultural Algerian olive cake waste: Statistical mechanics and molecular dynamic simulations. Journal of Molecular Liquids, 2018, 271, 40-50.	4.9	34
76	Alachlor dechlorination prior to an electro-Fenton process: Influence on the biodegradability of the treated solution. Separation and Purification Technology, 2020, 232, 115936.	7.9	34
77	Combining photocatalytic process and biological treatment for Reactive Green 12 degradation: optimization, mineralization, and phytotoxicity with seed germination. Environmental Science and Pollution Research, 2021, 28, 12490-12499.	5.3	34
78	Photocatalysis as a pre-treatment prior to a biological degradation of cyproconazole. Desalination, 2011, 281, 61-67.	8.2	32
79	Relevance of a hybrid process coupling adsorption and visible light photocatalysis involving a new hetero-system CuCo2O4/TiO2 for the removal of hexavalent chromium. Journal of Environmental Chemical Engineering, 2015, 3, 548-559.	6.7	32
80	Electro-Fenton pretreatment for the improvement of tylosin biodegradability. Environmental Science and Pollution Research, 2014, 21, 8534-8542.	5.3	31
81	Artificial neural network-based equation to predict the toxicity of herbicides on rats. Chemometrics and Intelligent Laboratory Systems, 2016, 154, 7-15.	3.5	31
82	Batch cultures of supplemented whey permeate using Lactobacillus helveticus: unstructured model for biomass formation, substrate consumption and lactic acid production. Enzyme and Microbial Technology, 2001, 28, 827-834.	3.2	30
83	Valorization of an agricultural waste,Stipa tenassicimafibers, by biosorption of an anionic azo dye, Congo red. Desalination and Water Treatment, 2015, 54, 245-254.	1.0	30
84	A new bipyridyl cobalt complex for reductive dechlorination of pesticides. Electrochimica Acta, 2016, 207, 313-320.	5.2	30
85	Synthesis and toxicity evaluation of hydrophobic ionic liquids for volatile organic compounds biodegradation in a two-phase partitioning bioreactor. Journal of Hazardous Materials, 2016, 307, 221-230.	12.4	30
86	Bismuth Sillenite Crystals as Recent Photocatalysts for Water Treatment and Energy Generation: A Critical Review. Catalysts, 2022, 12, 500.	3.5	30
87	Influence of media composition on lactic acid production rate from whey by Lactobacillus helveticus. Biotechnology Letters, 1993, 15, 239-244.	2.2	29
88	Effect of the dissolved oxygen on the bioproduction of glycerol and ethanol by Hansenula anomala growing under salt stress conditions. Journal of Biotechnology, 2006, 125, 95-103.	3.8	29
89	Combined use of waste materialsâ€"recovery of chitin from shrimp shells by lactic acid fermentation supplemented with date juice waste or glucose. Journal of Chemical Technology and Biotechnology, 2008, 83, 1664-1669.	3.2	29
90	Heterogeneous Fenton like degradation of olive Mill wastewater using ozone in the presence of BiFeO3 photocatalyst. Journal of Photochemistry and Photobiology A: Chemistry, 2019, 383, 112012.	3.9	29

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91	A new turbidimetric device for on-line monitoring of growth of filamentous microorganisms. Journal of Microbiological Methods, 1998, 33, 37-43.	1.6	28
92	Combined electrochemical treatment/biological process for the removal of a commercial herbicide solution, U46DÂ®. Separation and Purification Technology, 2014, 132, 704-711.	7.9	28
93	Removal of the anionic dye Biebrich scarlet from water by adsorption to calcined and non-calcined Mgâ€“Al layered double hydroxides. Desalination and Water Treatment, 2016, 57, 22061-22073.	1.0	28
94	Removal of hydrogen sulfide in air using cellular concrete waste: Biotic and abiotic filtrations. Chemical Engineering Journal, 2017, 319, 268-278.	12.7	28
95	The combination of photocatalysis process (UV/TiO₂(P25) and UV/ZnO) with activated sludge culture for the degradation of sulfamethazine. Separation Science and Technology, 2018, 53, 1423-1433.	2.5	28
96	Optimization of the volume fraction of the NAPL, silicone oil, and biodegradation kinetics of toluene and DMDS in a TPPB. International Biodeterioration and Biodegradation, 2012, 71, 9-14.	3.9	27
97	Characterization of gaseous odorous emissions from a rendering plant by GC/MS and treatment by biofiltration. Journal of Environmental Management, 2013, 128, 981-987.	7.8	27
98	Preparation and characterization of cross-linked enzyme aggregates (CLEAs) of Brassica rapa peroxidase. Biocatalysis and Agricultural Biotechnology, 2015, 4, 208-213.	3.1	27
99	Preparation of Silverâ€Modified Nickel Foams by Galvanic Displacement and Their Use as Cathodes for the Reductive Dechlorination of Herbicides. ChemElectroChem, 2016, 3, 2084-2092.	3.4	27
100	Adsorptive removal of amoxicillin from wastewater using wheat grains: equilibrium, kinetic, thermodynamic studies and mass transfer. Desalination and Water Treatment, 2016, 57, 27035-27047.	1.0	27
101	Novel activated carbon prepared from an agricultural waste,Stipa tenacissima, based on ZnCl₂activationâ€"characterization and application to theÂremoval of methylene blue. Desalination and Water Treatment, 2016, 57, 24056-24069.	1.0	27
102	Analysis of growth and production coupling for batch cultures of Lactobacillus helveticus with the help of an unstructured model. Process Biochemistry, 1999, 34, 1-10.	3.7	26
103	Differentiation of pH and free lactic acid effects on the various growth and production phases oflactobacillus helveticus. Journal of Chemical Technology and Biotechnology, 1999, 74, 33-40.	3.2	26
104	Carbon and nitrogen substrates consumption, ammonia release and proton transfer in relation with growth of Geotrichum candidum and Penicillium camemberti on a solid medium. Journal of Biotechnology, 2002, 95, 99-108.	3.8	26
105	Evidences for synergistic effects of Geotrichum candidum on Penicillium camembertii growing on cheese juice. Enzyme and Microbial Technology, 2005, 37, 218-224.	3.2	26
106	Residue of dates from the food industry as a new cheap feedstock for ethanol production. Biomass and Bioenergy, 2014, 69, 66-70.	5.7	26
107	Biofiltration of H 2 S in airâ€"Experimental comparisons of original packing materials and modeling. Biochemical Engineering Journal, 2016, 112, 153-160.	3.6	26
108	Bio-based and cost effective method for phenolic compounds removal using cross-linked enzyme aggregates. Journal of Hazardous Materials, 2021, 403, 124021.	12.4	26

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109	A mathematical model for VOCs removal in a treatment process coupling absorption and biodegradation. Chemical Engineering Journal, 2021, 423, 130106.	12.7	26
110	A Review of the Use of Semiconductors as Catalysts in the Photocatalytic Inactivation of Microorganisms. Catalysts, 2021, 11, 1498.	3.5	26
111	Direct electrochemical oxidation of a pesticide, 2,4-dichlorophenoxyacetic acid, at the surface of a graphite felt electrode: Biodegradability improvement. Comptes Rendus Chimie, 2015, 18, 32-38.	0.5	25
112	Photocatalytic performance of TiO 2 impregnated polyester for the degradation of Reactive Green 12: Implications of the surface pretreatment and the microstructure. Journal of Photochemistry and Photobiology A: Chemistry, 2017, 346, 493-501.	3.9	25
113	Unstructured model for batch cultures without pH control of Lactobacillus helveticusâ€"Inhibitory effect of the undissociated lactic acid. Biochemical Engineering Journal, 2007, 35, 289-294.	3.6	24
114	Characterization and Selection of Packing Materials for Biofiltration of Rendering Odourous Emissions. Water, Air, and Soil Pollution, 2013, 224, 1.	2.4	24
115	Removal of a mixture tetracycline-tylosin from water based on anodic oxidation on a glassy carbon electrode coupled to activated sludge. Environmental Technology (United Kingdom), 2015, 36, 1837-1846.	2.2	24
116	Combined process for removal of tetracycline antibiotic â€“ Coupling pre-treatment with a nickel-modified graphite felt electrode and a biological treatment. International Biodeterioration and Biodegradation, 2015, 103, 147-153.	3.9	24
117	Absorption of toluene in silicone oil: Effect of the solvent viscosity on hydrodynamics and mass transfer. Chemical Engineering Research and Design, 2016, 109, 32-40.	5.6	24
118	Integration of Adsorption and Photocatalytic Degradation of Methylene Blue Using $$hbox {TiO}_{2}$$ TiO 2 Supported on Granular Activated Carbon. Arabian Journal for Science and Engineering, 2017, 42, 1475-1486.	3.0	24
119	Cationic Surfactant-modified Clay as an Adsorbent for the Removal of Synthetic Dyes from Aqueous Solutions. International Journal of Chemical Reactor Engineering, 2018, 16, .	1.1	24
120	Enhanced proteolytic activities of Geotrichum candidum and Penicillium camembertii in mixed culture. Enzyme and Microbial Technology, 2006, 39, 325-331.	3.2	23
121	Absorption and Biodegradation of Hydrophobic Volatile Organic Compounds in Ionic Liquids. Water, Air, and Soil Pollution, 2013, 224, 1.	2.4	23
122	Absorption and biodegradation of toluene: Optimization of its initial concentration and the biodegradable non-aqueous phase liquid volume fraction. International Biodeterioration and Biodegradation, 2015, 104, 350-355.	3.9	23
123	Kinetic degradation of amoxicillin by using the electro-Fenton process in the presence of a graphite rods from used batteries. Chinese Journal of Chemical Engineering, 2021, 32, 183-190.	3.5	23
124	The use of a forest waste biomass, cone ofPinus brutiafor the removal of an anionic azo dye Congo red from aqueous medium. Desalination and Water Treatment, 2015, 55, 1956-1965.	1.0	22
125	Toluene degradation in a two-phase partitioning bioreactor involving a hydrophobic ionic liquid as a non-aqueous phase liquid. International Biodeterioration and Biodegradation, 2017, 117, 31-38.	3.9	22
126	Absorption and biodegradation of hydrophobic volatile organic compounds: determination of Henry's constants and biodegradation levels. Water Science and Technology, 2009, 59, 1315-1322.	2.5	21

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127	Removal of Cr(VI) from Model Solutions by a Combined Electrocoagulation Sorption Process. Chemical Engineering and Technology, 2013, 36, 147-155.	1.5	21
128	Title is missing!. Biotechnology Letters, 1998, 20, 379-383.	2.2	20
129	Analysis of the kinetics of growth and lactic acid production forLactobacillus helveticus growing on supplemented whey permeate. Journal of Chemical Technology and Biotechnology, 2005, 80, 345-352.	3.2	20
130	Electrochemical Reduction Prior to Electro-Fenton Oxidation of Azo Dyes: Impact of the Pretreatment on Biodegradability. Water, Air, and Soil Pollution, 2013, 224, 1.	2.4	20
131	Removal of Amoxicillin Antibiotic from Aqueous Solution Using an Anionic Surfactant. Water, Air, and Soil Pollution, 2015, 226, 1.	2.4	20
132	Biosorption characteristics of methylene blue dye by two fungal biomasses. International Journal of Environmental Studies, 2021, 78, 365-381.	1.6	20
133	Temporal distribution and zoning of nitrate and fluoride concentrations in Behbahan drinking water distribution network and health risk assessment by using sensitivity analysis and Monte Carlo simulation. International Journal of Environmental Analytical Chemistry, 2023, 103, 3163-3180.	3.3	20
134	Metallic nanoparticles for electrocatalytic reduction of halogenated organic compounds: A review. Electrochimica Acta, 2021, 377, 138039.	5.2	20
135	Modeling the organic matter of water using the decision tree coupled with bootstrap aggregated and least-squares boosting. Environmental Technology and Innovation, 2022, 27, 102419.	6.1	20
136	A new model for the reconstruction of biomass history from carbon dioxide emission during batch cultivation of geotrichum candidum. Journal of Bioscience and Bioengineering, 2001, 91, 570-575.	2.2	19
137	Kinetics of toluene and sulfur compounds removal by means of an integrated process involving the coupling of absorption and biodegradation. Journal of Chemical Technology and Biotechnology, 2010, 85, 1156-1161.	3.2	19
138	Relevance of Photocatalysis prior to Biological Treatment of Organic Pollutants â€“ Selection Criteria. Chemical Engineering and Technology, 2012, 35, 238-246.	1.5	19
139	Adsorption of ethyl violet dye in aqueous solution by forest wastes, wild carob. Desalination and Water Treatment, 2016, 57, 9859-9870.	1.0	19
140	A New Mgâ€“Alâ€“Cuâ€“Fe-LDH Composite to Enhance the Adsorption of Acid Red 66 Dye: Characterization, Kinetics and Isotherm Analysis. Arabian Journal for Science and Engineering, 2019, 44, 5245-5261.	3.0	19
141	Iron oxide nanoparticles as heterogeneous electro-Fenton catalysts for the removal of AR18 azo dye. Environmental Technology (United Kingdom), 2020, 41, 2146-2153.	2.2	19
142	Photocatalytic Treatment of Wastewater Containing Simultaneous Organic and Inorganic Pollution: Competition and Operating Parameters Effects. Catalysts, 2021, 11, 855.	3.5	19
143	Effect of medium osmolarity on the bioproduction of glycerol and ethanol by Hansenula anomala growing on glucose and ammonium. Applied Microbiology and Biotechnology, 2005, 69, 341-349.	3.6	18
144	Integration of photocatalysis and biological treatment for azo dye removal â€“ application to AR183. Environmental Technology (United Kingdom), 2011, 32, 507-514.	2.2	18

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145	Removal of phenolic compounds from olive mill wastewater by a Fenton-like system H₂O₂/Cu(II)â€"thermodynamic and kinetic modeling. Desalination and Water Treatment, 2016, 57, 1874-1879.	1.0	18
146	The feasibility of combining an electrochemical treatment on a carbon felt electrode and a biological treatment for the degradation of tetracycline and tylosin â€" application of the experimental design methodology. Separation Science and Technology, 2018, 53, 337-348.	2.5	18
147	Enhanced docosahexaenoic acid production by Crypthecodinium cohnii under combined stress in two-stage cultivation with date syrup based medium. Algal Research, 2018, 34, 75-81.	4.6	18
148	ISOLATION AND IDENTIFICATION OF YEAST STRAINS FROM SUGARCANE MOLASSES, DATES AND FIGS FOR ETHANOL PRODUCTION UNDER CONDITIONS SIMULATING ALGAL HYDROLYSATE. Brazilian Journal of Chemical Engineering, 2019, 36, 157-169.	1.3	18
149	A generalised unstructured model for batch cultures of Lactobacillus helveticus. Enzyme and Microbial Technology, 2007, 41, 377-382.	3.2	17
150	Flow electrolysis on high surface electrode for biodegradability enhancement of sulfamethazine solutions. Journal of Electroanalytical Chemistry, 2013, 707, 122-128.	3.8	17
151	Characterization and selection of PDMS solvents for the absorption and biodegradation of hydrophobic <scp>VOCs</scp>. Journal of Chemical Technology and Biotechnology, 2016, 91, 1923-1927.	3.2	17
152	Predicting the concentration of sulfate (SO42-) in drinking water using artificial neural networks: a case study: MÃ©dÃ©a-Algeria. , 0, 217, 181-194.		17
153	Comparaison des paramÃ¨tres de croissance en milieux solides et liquides de Geotrichum candidum Geo17 et Penicillium camemberti LV2. Dairy Science and Technology, 1997, 77, 641-648.	0.9	17
154	Effect of inorganic phosphate on lactate production byLactobacillus helveticus grown on supplemented whey permeate. Journal of Chemical Technology and Biotechnology, 2000, 75, 223-228.	3.2	16
155	Successful Biodegradation of a Refractory Pharmaceutical Compound by an Indigenous Phenol-Tolerant Pseudomonas aeruginosa Strain. Water, Air, and Soil Pollution, 2018, 229, 1.	2.4	16
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