

Abdeltif Amrane

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

279
papers

5,784
citations

39
h-index

58
g-index

285
ext. papers

6,714
ext. citations

4.9
avg, IF

6.13
L-index

#	Paper	IF	Citations
279	Interfacial coupling effects on adsorptive and photocatalytic performances for photoresponsive graphene-wrapped SrTiO@Ag under UV-visible light: experimental and DFT approach.. <i>Environmental Science and Pollution Research</i> , 2022 , 29, 28098	5.1	1
278	Improvement of the biodegradability of diatrizoate by electroreduction of its amido groups. <i>Separation and Purification Technology</i> , 2022 , 285, 120317	8.3	0
277	Peroxidase enzymes as green catalysts for bioremediation and biotechnological applications: A review. <i>Science of the Total Environment</i> , 2022 , 806, 150500	10.2	5
276	Heterogeneous degradation of amoxicillin in the presence of synthesized alginate-Fe beads catalyst by the electro-Fenton process using a graphite cathode recovered from used batteries.. <i>Water Science and Technology</i> , 2022 , 85, 1840-1854	2.2	1
275	Modeling the organic matter of water using the decision tree coupled with bootstrap aggregated and least-squares boosting. <i>Environmental Technology and Innovation</i> , 2022 , 27, 102419	7	4
274	Bismuth Sillenite Crystals as Recent Photocatalysts for Water Treatment and Energy Generation: A Critical Review. <i>Catalysts</i> , 2022 , 12, 500	4	3
273	An Overview of the Valorization of Aquatic Plants in Effluent Depuration through Phytoremediation Processes. <i>Applied Microbiology</i> , 2022 , 2, 309-318		0
272	Contribution of Chemometric Modeling to Chemical Risks Assessment for Aquatic Plants 2021 , 391-416		
271	Platform molecule from sustainable raw materials; case study succinic acid. <i>Brazilian Journal of Chemical Engineering</i> , 2021 , 38, 215	1.7	2
270	Effect of mixed culture of yeast and microalgae on acetyl-CoA carboxylase and Glycerol-3-phosphate acyltransferase expression. <i>Journal of Bioscience and Bioengineering</i> , 2021 , 131, 364-372	3.3	2
269	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
268	A New Approach to Produce Succinic Acid Through a Co-Culture System. <i>Applied Biochemistry and Biotechnology</i> , 2021 , 193, 2872-2892	3.2	5
267	Metallic nanoparticles for electrocatalytic reduction of halogenated organic compounds: A review. <i>Electrochimica Acta</i> , 2021 , 377, 138039	6.7	5
266	Innovative photocatalytic luminous textiles optimized towards water treatment: Performance evaluation of photoreactors. <i>Chemical Engineering Journal</i> , 2021 , 416, 129195	14.7	6
265	Photocatalytic Treatment of Wastewater Containing Simultaneous Organic and Inorganic Pollution: Competition and Operating Parameters Effects. <i>Catalysts</i> , 2021 , 11, 855	4	8
264	Volatile organic compounds absorption in a structured packing fed with waste oils: Experimental and modeling assessments. <i>Chemical Engineering Science</i> , 2021 , 238, 116598	4.4	4
263	Well Knowledge of the Physiology of <i>Actinobacillus succinogenes</i> to Improve Succinic Acid Production. <i>Applied Microbiology</i> , 2021 , 1, 304-328		1

262	Biosorption characteristics of methylene blue dye by two fungal biomasses. <i>International Journal of Environmental Studies</i> , 2021 , 78, 365-381	1.8	5
261	Kinetic degradation of amoxicillin by using the electro-Fenton process in the presence of a graphite rods from used batteries. <i>Chinese Journal of Chemical Engineering</i> , 2021 , 32, 183-190	3.2	9
260	Combining photocatalytic process and biological treatment for Reactive Green 12 degradation: optimization, mineralization, and phytotoxicity with seed germination. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 12490-12499	5.1	14
259	Novel FeTiO ₂ /reduced graphene oxide heterojunction photocatalyst with improved adsorption capacity and visible light photoactivity: experimental and DFT approach. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 8507-8519	5.1	5
258	Bio-based and cost effective method for phenolic compounds removal using cross-linked enzyme aggregates. <i>Journal of Hazardous Materials</i> , 2021 , 403, 124021	12.8	13
257	Innovative sequential combination of fixed bed adsorption/desorption and photocatalysis cost-effective process to remove antibiotics in solution. <i>Progress in Organic Coatings</i> , 2021 , 151, 106014	4.8	3
256	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
255	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
254	Central composite design applied to paracetamol degradation by heat-activated peroxydisulfate oxidation process and its relevance as a pretreatment prior to a biological treatment. <i>Environmental Technology (United Kingdom)</i> , 2021 , 42, 905-913	2.6	10
253	A Grey Wolf Optimizer-based Fractional Calculus in Studies on Solar Drying. <i>Kemija U Industriji</i> , 2021 , 70, 39-47	0.3	1
252	Bottom-up construction of reduced-graphene-oxide-anchored spinel magnet Fe _{2.02} Ni _{1.01} O _{3.22} , anatase TiO ₂ and metallic Ag nanoparticles and their synergy in photocatalytic water reduction. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 105307	6.8	3
251	A novel system coupling an electro-Fenton process and an advanced biological process to remove a pharmaceutical compound, metronidazole. <i>Journal of Hazardous Materials</i> , 2021 , 415, 125705	12.8	11
250	Reconsideration of the contribution of photogenerated ROS in methyl orange degradation on TiO ₂ , Cu ₂ O, WO ₃ , and Bi ₂ O ₃ under low-intensity simulated solar light: mechanistic understanding of photocatalytic activity. <i>Euro-Mediterranean Journal for Environmental Integration</i> , 2021 , 6, 1	1.7	1
249	A mathematical model for VOCs removal in a treatment process coupling absorption and biodegradation. <i>Chemical Engineering Journal</i> , 2021 , 423, 130106	14.7	5
248	Treatment of dairy wastewater by electrocoagulation using A-U4G (2017-Al) alloy and pure aluminum as electrode material. <i>Euro-Mediterranean Journal for Environmental Integration</i> , 2021 , 6, 1	1.7	5
247	A Review of the Use of Semiconductors as Catalysts in the Photocatalytic Inactivation of Microorganisms. <i>Catalysts</i> , 2021 , 11, 1498	4	6
246	Separation of silicone oil droplets dispersed in activated sludge. <i>Separation Science and Technology</i> , 2020 , 55, 2369-2380	2.5	2
245	QSAR Approaches and Ecotoxicological Risk Assessment. <i>Methods in Pharmacology and Toxicology</i> , 2020 , 615-638	1.1	

244	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
243	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
242	Linoleic-acid-enhanced astaxanthin content of <i>Chlorella sorokiniana</i> (Chlorophyta) under normal and light shock conditions. <i>Phycologia</i> , 2020 , 59, 54-62	2.7	4
241	An effective toluene removal from waste-air by a simple process based on absorption in silicone oil (PDMS) and cross-linked Brassica rapa peroxidase (BRP-CLEAs) catalysis in organic medium: Optimization with RSM. <i>Environmental Progress and Sustainable Energy</i> , 2020 , 39, e13381	2.5	2
240	Effect of light intensity and wavelength on nitrogen and phosphate removal from municipal wastewater by microalgae under semi-batch cultivation. <i>Environmental Technology (United Kingdom)</i> , 2020 , 1-7	2.6	3
239	The use of encapsulation as a proposed solution to avoid problems encountered with conventional materials in powder form: Application in methylene blue removal from aqueous solutions. <i>Journal of Molecular Liquids</i> , 2020 , 316, 113841	6	4
238	Experimental evaluation and modeling of the hydrodynamics in structured packing operated with viscous waste oils. <i>Chemical Engineering Research and Design</i> , 2020 , 162, 273-283	5.5	2
237	Integration of photocatalysis with biological process for removal of tetracycline from water. <i>International Journal of Environmental Engineering</i> , 2020 , 10, 393	0.2	
236	Electrochemical Processes Coupled to a Biological Treatment for the Removal of Iodinated X-ray Contrast Media Compounds. <i>Frontiers in Chemistry</i> , 2020 , 8, 646	5	3
235	Nickel foam as a new material for chlortetracycline electrochemical oxidation: Biodegradability improvement and biological treatment. <i>Journal of Electroanalytical Chemistry</i> , 2020 , 878, 114543	4.1	4
234	Paracetamol degradation by photo-activated peroxydisulfate process (UV/PDS): kinetic study and optimization using central composite design. <i>Water Science and Technology</i> , 2020 , 82, 1404-1415	2.2	6
233	Sulfamethazine degradation by heterogeneous photocatalysis with ZnO immobilized on a glass plate using the heat attachment method and its impact on the biodegradability. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2020 , 131, 471-487	1.6	7
232	Carbon and nitrogen removal from a synthetic dairy effluent in a vertical-flow fixed bed bioreactor. <i>Bioresource Technology Reports</i> , 2020 , 12, 100581	4.1	3
231	Iron oxide nanoparticles as heterogeneous electro-Fenton catalysts for the removal of AR18 azo dye. <i>Environmental Technology (United Kingdom)</i> , 2020 , 41, 2146-2153	2.6	10
230	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
229	Use of hydrocarbons sludge as a substrate for the production of biosurfactants by <i>Pseudomonas aeruginosa</i> ATCC 27853. <i>Environmental Monitoring and Assessment</i> , 2020 , 192, 287	3.1	3
228	Liquid-liquid extraction and simultaneously spectrophotometric determination of Co (II) and W (VI) using crown ether (DB-18-C6) in aqueous media and in high speed steel. <i>International Journal of Environmental Analytical Chemistry</i> , 2020 , 1-11	1.8	0
227	Impact of bubble size on docosahexaenoic acid production by <i>Cryptocodium cohnii</i> in bubble column bioreactor. <i>Biomass Conversion and Biorefinery</i> , 2019 , 11, 1137	2.3	1

226	Low-Cost Photo-Fenton-Like Process for the Removal of Synthetic Dye in Aqueous Solution at Circumneutral pH. <i>Arabian Journal for Science and Engineering</i> , 2019 , 44, 9859-9867	2.5	2
225	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
224	Effect of linoleic acid and methyl jasmonate on astaxanthin content of <i>Scenedesmus acutus</i> and <i>Chlorella sorokiniana</i> under heterotrophic cultivation and salt shock conditions. <i>Journal of Applied Phycology</i> , 2019 , 31, 2811-2822	3.2	10
223	Development of a new cathode for the electro-Fenton process combining carbon felt and iron-containing organic/inorganic hybrids. <i>Comptes Rendus Chimie</i> , 2019 , 22, 238-249	2.7	1
222	Enoxacin degradation by photo-Fenton process combined with a biological treatment: optimization and improvement of by-products biodegradability. <i>International Journal of Environmental Science and Technology</i> , 2019 , 16, 655-666	3.3	5
221	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
220	ISOLATION AND IDENTIFICATION OF YEAST STRAINS FROM SUGARCANE MOLASSES, DATES AND FIGS FOR ETHANOL PRODUCTION UNDER CONDITIONS SIMULATING ALGAL HYDROLYSATE. <i>Brazilian Journal of Chemical Engineering</i> , 2019 , 36, 157-169	1.7	10
219	Electro Fenton removal of clopyralid in soil washing effluents. <i>Chemosphere</i> , 2019 , 237, 124447	8.4	10
218	Prediction of thermal conductivity of liquid and vapor refrigerants for pure and their binary, ternary mixtures using artificial neural network. <i>Thermophysics and Aeromechanics</i> , 2019 , 26, 561-579	0.9	0
217	A New Mg ₂ Al ₂ (OH) ₆ LDH Composite to Enhance the Adsorption of Acid Red 66 Dye: Characterization, Kinetics and Isotherm Analysis. <i>Arabian Journal for Science and Engineering</i> , 2019 , 44, 5245-5261	2.5	9
216	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
215	Batch Adsorption of Synthetic Dye by <i>Maclura Pomifera</i> , a New Eco-Friendly Waste Biomass: Experimental Studies and Modeling. <i>International Journal of Chemical Reactor Engineering</i> , 2019 , 17,	1.2	1
214	A combination of absorption and enzymatic biodegradation: phenol elimination from aqueous and organic phase. <i>Environmental Technology (United Kingdom)</i> , 2019 , 40, 625-632	2.6	7
213	High efficiency of methylene blue removal using a novel low-cost acid treated forest wastes, <i>Cupressus semperirens</i> cones: Experimental results and modeling. <i>Particulate Science and Technology</i> , 2019 , 37, 504-513	2	6
212	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
211	Successful Biodegradation of a Refractory Pharmaceutical Compound by an Indigenous Phenol-Tolerant <i>Pseudomonas aeruginosa</i> Strain. <i>Water, Air, and Soil Pollution</i> , 2018 , 229, 1	2.6	10
210	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
209	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

208	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
207	Physicochemical properties of some hydrophobic room-temperature ionic liquids applied to volatile organic compounds biodegradation processes. <i>Journal of Chemical Technology and Biotechnology</i> , 2018 , 93, 215-223	3.5	9
206	Adsorption of Congo Red Dye from Aqueous Solutions by Montmorillonite as a Low-cost Adsorbent. <i>International Journal of Chemical Reactor Engineering</i> , 2018 , 16,	1.2	11
205	Impact of (hbox {TiO}_{2}) Cation Exchange Resin Composite on the Removal of Ethyl Violet. <i>Arabian Journal for Science and Engineering</i> , 2018 , 43, 2451-2463	2.5	6
204	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
203	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
202	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
201	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
200	Enhanced docosahexaenoic acid production by <i>Cryptocodinium cohnii</i> under combined stress in two-stage cultivation with date syrup based medium. <i>Algal Research</i> , 2018 , 34, 75-81	5	12
199	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
198	Enhancement of ethanol production from synthetic medium model of hydrolysate of macroalgae. <i>Renewable Energy</i> , 2018 , 124, 3-10	8.1	10
197	Impact of activated sludge acclimation on the biodegradation of toluene absorbed in a hydrophobic ionic liquid. <i>International Journal of Environmental Science and Technology</i> , 2018 , 15, 621-630	3.3	1
196	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
195	Molecular modeling of cationic dyes adsorption on agricultural Algerian olive cake waste. <i>Journal of Molecular Liquids</i> , 2018 , 264, 127-133	6	36
194	Effect of acid and alkali treatments of a forest waste, <i>Pinus brutia</i> cones, on adsorption efficiency of methyl green. <i>Journal of Dispersion Science and Technology</i> , 2017 , 38, 463-471	1.5	9
193	Anti-inflammatory activity of essential oil of an endemic <i>Thymus fontanesii</i> Boiss. & Reut. with chemotype carvacrol, and its healing capacity on gastric lesions. <i>Journal of Food Biochemistry</i> , 2017 , 41, e12359	3.3	6
192	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
191	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

190	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
189	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
188	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
187	Toluene degradation by a water/silicone oil mixture for the design of Two Phase Partitioning Bioreactors. <i>Chinese Journal of Chemical Engineering</i> , 2017 , 25, 1512-1518	3.2	10
186	Sulfamethazine removal by means of a combined process coupling an oxidation pretreatment and activated sludge culture - preliminary results. <i>Environmental Technology (United Kingdom)</i> , 2017 , 38, 2684-2697	2.6	7
185	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
184	Identification of strain isolated from dates (<i>Phoenix dactylifera</i> L.) for enhancing very high gravity ethanol production. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 9886-9894	5.1	9
183	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
182	Environmental Toxicity of Pesticides, and Its Modeling by QSAR Approaches. <i>Challenges and Advances in Computational Chemistry and Physics</i> , 2017 , 471-501	0.7	6
181	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
180	Adsorption of ethyl violet dye in aqueous solution by forest wastes, wild carob. <i>Desalination and Water Treatment</i> , 2016 , 57, 9859-9870		15
179	Richness of drilling sludge taken from an oil field quagmire: potentiality and environmental interest. <i>International Journal of Environmental Science and Technology</i> , 2016 , 13, 2427-2436	3.3	2
178	Activated sludge acclimation for toluene and DEHP degradation in a two-phase partitioning bioreactor. <i>International Journal of Environmental Science and Technology</i> , 2016 , 13, 1883-1890	3.3	2
177	Photocatalytic Degradation of Oxytetracycline in Aqueous Solutions with TiO ₂ in Suspension and Prediction by Artificial Neural Networks. <i>International Journal of Chemical Kinetics</i> , 2016 , 48, 464-473	1.4	9
176	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	2.2	48
175	Removal of phenolic compounds from olive mill wastewater by a Fenton-like system H ₂ O ₂ /Cu(II) □ thermodynamic and kinetic modeling. <i>Desalination and Water Treatment</i> , 2016 , 57, 1874-1879		11
174	Enhancement of the biodegradability of a mixture of dyes (methylene blue and basic yellow 28) using the electrochemical process on a glassy carbon electrode. <i>Desalination and Water Treatment</i> , 2016 , 57, 12316-12323		8
173	Electrocatalytic reduction of metronidazole using titanocene/Nafion □ -modified graphite felt electrode. <i>Electrochimica Acta</i> , 2016 , 191, 821-831	6.7	13

172	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
171	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
170	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
169	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
168	A new combined green method for 2-Chlorophenol removal using cross-linked Brassica rapa peroxidase in silicone oil. <i>Chemosphere</i> , 2016 , 148, 55-60	8.4	12
167	Novel activated carbon prepared from an agricultural waste, Stipa tenacissima, 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
166	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
165	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
164	Application of shrinking core model to the adsorption of oxytetracycline onto peanut hull-derived activated carbon in a closed-loop fixed-bed reactor. <i>Desalination and Water Treatment</i> , 2016 , 57, 14304-14314		7
163	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
162	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
161	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
160	Characterization and selection of PDMS solvents for the absorption and biodegradation of hydrophobic VOCs. <i>Journal of Chemical Technology and Biotechnology</i> , 2016 , 91, 1923-1927	3.5	13
159	Adsorptive removal of amoxicillin from wastewater using wheat grains: equilibrium, kinetic, thermodynamic studies and mass transfer. <i>Desalination and Water Treatment</i> , 2016 , 57, 27035-27047		14
158	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
157	A new bipyridyl cobalt complex for reductive dechlorination of pesticides. <i>Electrochimica Acta</i> , 2016 , 207, 313-320	6.7	24
156	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
155	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

154	Interfacial Structure of Toluene at an Ionic Liquid/Vapor Interface: A Molecular Dynamics Simulation Investigation. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 9966-9972	3.8	11
153	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
152	The use of a forest waste biomass, cone of Pinus brutia for the removal of an anionic azo dye Congo red from aqueous medium. <i>Desalination and Water Treatment</i> , 2015 , 55, 1956-1965		18
151	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
150	Removal of Amoxicillin Antibiotic from Aqueous Solution Using an Anionic Surfactant. <i>Water, Air, and Soil Pollution</i> , 2015 , 226, 1	2.6	14
149	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
148	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
147	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
146	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
145	Toluene biodegradation in a solid/liquid system involving immobilized activated sludge and silicone oil as pollutant reservoir. <i>Environmental Technology (United Kingdom)</i> , 2015 , 36, 450-4	2.6	0
144	Response surface optimization of experimental conditions for carbamazepine biodegradation by Streptomyces MIUG 4.89. <i>New Biotechnology</i> , 2015 , 32, 347-57	6.4	30
143	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
142	Relevance of a hybrid process coupling adsorption and visible light photocatalysis involving a new hetero-system CuCo2O4/TiO2 for the removal of hexavalent chromium. <i>Journal of Environmental Chemical Engineering</i> , 2015 , 3, 548-559	6.8	26
141	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
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4	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. <i>International Journal of Environmental Analytical Chemistry</i> , 1-18	1.8	12
3	Statistical physics modelling of azo dyes biosorption onto modified powder of <i>Acorus calamus</i> in batch reactor. <i>Biomass Conversion and Biorefinery</i> , 1	2.3	2
2	Predicting the concentration of sulfate using machine learning methods. <i>Earth Science Informatics</i> , 1	2.5	3
1	Single-step and two-step syntheses of magnetic carbons from coffee residue: elimination of sulfamethazine by adsorption. <i>International Journal of Environmental Science and Technology</i> , 1	3.3	