

Hakim Lounici

List of Publications by Citations

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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.

72
papers

2,788
citations

30
h-index

51
g-index

74
ext. papers

3,061
ext. citations

6.4
avg, IF

4.9
L-index

#	Paper	IF	Citations
72	Antibacterial activity of chitin, chitosan and its oligomers prepared from shrimp shell waste. <i>Food Hydrocolloids</i> , 2012 , 29, 48-56	10.6	429
71	Defluoridation of septentrional Sahara water of north Africa by electrocoagulation process using bipolar aluminium electrodes. <i>Water Research</i> , 1998 , 32, 1604-1612	12.5	298
70	Batch zinc biosorption by a bacterial nonliving <i>Streptomyces rimosus</i> biomass. <i>Water Research</i> , 1999 , 33, 1347-1354	12.5	125
69	Study on the treatment of photovoltaic wastewater using electrocoagulation: fluoride removal with aluminium electrodes--characteristics of products. <i>Journal of Hazardous Materials</i> , 2009 , 169, 65-9	12.8	113
68	Anticancer activity of chemically prepared shrimp low molecular weight chitin evaluation with the human monocyte leukaemia cell line, THP-1. <i>International Journal of Biological Macromolecules</i> , 2013 , 52, 333-9	7.9	109
67	Treatment of the OUED SMAR town landfill leachate by an electrochemical reactor. <i>Desalination</i> , 2011 , 280, 347-353	10.3	75
66	Simultaneous removal of hexavalent chromium and COD from industrial wastewater by bipolar electrocoagulation. <i>Chemical Engineering and Processing: Process Intensification</i> , 2015 , 96, 94-99	3.7	74
65	Protein recovery by ultrafiltration during isolation of chitin from shrimp shells <i>Parapenaeus longirostris</i> . <i>Food Hydrocolloids</i> , 2013 , 32, 28-34	10.6	72
64	Equilibrium, kinetic and thermodynamic studies on aluminum biosorption by a mycelial biomass (<i>Streptomyces rimosus</i>). <i>Journal of Hazardous Materials</i> , 2010 , 183, 35-43	12.8	64
63	Electrocoagulation of chemical mechanical polishing wastewater. <i>Desalination</i> , 2007 , 214, 31-37	10.3	62
62	Electrochemical treatment of chemical mechanical polishing wastewater: removal of fluoride and sludge characteristics and operating cost. <i>Desalination</i> , 2008 , 223, 134-142	10.3	62
61	A compact process for the treatment of olive mill wastewater by combining OF and UV/H ₂ O ₂ techniques. <i>Desalination</i> , 2004 , 169, 81-88	10.3	59
60	Fluoride Removal from pretreated Photovoltaic Wastewater by Electrocoagulation: An Investigation of The Effect of Operational Parameters. <i>Procedia Engineering</i> , 2012 , 33, 385-391		53
59	Fish protein hydrolysate production from sardine solid waste by crude pepsin enzymatic hydrolysis in a bioreactor coupled to an ultrafiltration unit. <i>Materials Science and Engineering C</i> , 2012 , 32, 922-928	8.3	52
58	Preparation and Characterization of TiO ₂ /PVDF/PMMA Blend Membranes Using an Alternative Non-Toxic Solvent for UF/MF and Photocatalytic Application. <i>Molecules</i> , 2019 , 24,	4.8	51
57	Treatment of olive mill wastewater by the combination of ultrafiltration and bipolar electrochemical reactor processes. <i>Chemical Engineering and Processing: Process Intensification</i> , 2011 , 50, 37-41	3.7	51
56	Enhanced ultrafiltration of bovine serum albumin with pulsed electric field and fluidized activated alumina. <i>Desalination</i> , 2000 , 127, 59-68	10.3	43

55	Characterization and properties of <i>Pleurotus mutilus</i> fungal biomass as adsorbent of the removal of uranium(VI) from uranium leachate. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2013 , 295, 393-403	1.5	41
54	Removal of fluoride from photovoltaic wastewater by electrocoagulation and products characteristics. <i>Desalination and Water Treatment</i> , 2009 , 7, 236-241		40
53	Effect of shrimp chitosan coatings as affected by chitosan extraction processes on postharvest quality of strawberry. <i>Journal of Food Measurement and Characterization</i> , 2013 , 7, 215-221	2.8	38
52	Evaluating removal of metribuzin pesticide from contaminated groundwater using an electrochemical reactor combined with ultraviolet oxidation. <i>Desalination</i> , 2011 , 270, 84-89	10.3	38
51	Modeling and qualitative study of diesel biodegradation using biopile process in sandy soil. <i>International Biodeterioration and Biodegradation</i> , 2013 , 78, 43-48	4.8	36
50	A new lateral method for characterizing the electrical conductivity of ion-exchange membranes. <i>Journal of Membrane Science</i> , 2016 , 507, 34-42	9.6	35
49	Phytoremediation of soil contaminated with Zn using Canola(<i>Brassica napus</i> L). <i>Ecological Engineering</i> , 2016 , 95, 43-49	3.9	34
48	Effect of physico-chemical parameters on biohydrogen production and growth characteristics by batch culture of <i>Rhodobacter sphaeroides</i> CIP 60.6. <i>Applied Energy</i> , 2011 , 88, 2130-2135	10.7	34
47	Application of the electrosorption technique to remove Metribuzin pesticide. <i>Journal of Hazardous Materials</i> , 2009 , 161, 1035-9	12.8	33
46	Assessment of coating tomato fruit with shrimp shell chitosan and N,O-carboxymethyl chitosan on postharvest preservation. <i>Journal of Food Measurement and Characterization</i> , 2013 , 7, 66-74	2.8	32
45	Chitin oligomers and monomers production by coupling γ radiation and enzymatic hydrolysis. <i>Journal of Industrial and Engineering Chemistry</i> , 2015 , 26, 396-401	6.3	31
44	Microbiological aspects study of bioremediation of diesel-contaminated soils by biopile technique. <i>International Biodeterioration and Biodegradation</i> , 2012 , 75, 201-206	4.8	31
43	Effects of chitin and its derivatives on human cancer cells lines. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 15579-86	5.1	30
42	Coagulation Flocculation Test of Keddara Water Dam Using Chitosan and Sulfate Aluminium. <i>Procedia Engineering</i> , 2012 , 33, 254-260		29
41	Fluoride removal with electro-activated alumina. <i>Desalination</i> , 2004 , 161, 287-293	10.3	29
40	Sorption of Methyl Orange from Aqueous Solution on Chitosan Biomass. <i>Procedia Earth and Planetary Science</i> , 2015 , 15, 596-601		28
39	Study and modeling of the organophosphorus compound degradation by photolysis of hydrogen peroxide in aqueous media by using experimental response surface design. <i>Journal of Industrial and Engineering Chemistry</i> , 2016 , 33, 307-315	6.3	24
38	Chitosan Application for Treatment of Beni-Amrane Water Dam. <i>Energy Procedia</i> , 2013 , 36, 558-564	2.3	24

37	Antagonistic activity of <i>Bacillus</i> sp. obtained from an Algerian oilfield and chemical biocide THPS against sulfate-reducing bacteria consortium inducing corrosion in the oil industry. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2011 , 38, 391-404	4.2	24
36	Adsorption study of metribuzin pesticide on fungus <i>Pleurotus mutilus</i> . <i>International Biodeterioration and Biodegradation</i> , 2017 , 119, 687-695	4.8	22
35	Valorization of orange industry residues to form a natural coagulant and adsorbent. <i>Journal of Industrial and Engineering Chemistry</i> , 2018 , 64, 292-299	6.3	21
34	Towards sustainable water management in Algeria. <i>Desalination and Water Treatment</i> , 2012 , 50, 272-284		21
33	Removal of Phosphate from Wastewater by Adsorption on Marble Waste: Effect of Process Parameters and Kinetic Modeling. <i>International Journal of Environmental Research</i> , 2018 , 12, 13-27	2.9	18
32	Metal Ion Binding on Hydroxyapatite (Hap) and Study of the Velocity of Sedimentation. <i>Procedia Engineering</i> , 2012 , 33, 377-384		17
31	Chitosan use in chemical conditioning for dewatering municipal-activated sludge. <i>Water Science and Technology</i> , 2015 , 71, 810-6	2.2	16
30	Electrodialysis with bipolar membrane for regeneration of a spent activated carbon. <i>Journal of Hazardous Materials</i> , 2009 , 170, 197-202	12.8	16
29	Enzymatic saccharification of olive mill solid residue in a membrane reactor. <i>Journal of Membrane Science</i> , 2000 , 178, 121-130	9.6	16
28	Effectiveness of a photocatalytic organic membrane for solar degradation of methylene blue pollutant. <i>Desalination and Water Treatment</i> , 2016 , 57, 14067-14076		15
27	Electric fields applied in the ultrafiltration process. <i>Desalination</i> , 2001 , 138, 291	10.3	15
26	Desalting of phenylalanine solutions by electrodialysis with ion-exchange membranes. <i>Journal of Applied Electrochemistry</i> , 2000 , 30, 259-262	2.6	15
25	Treatment of Water Loaded With Orthophosphate by Electrocoagulation. <i>Procedia Engineering</i> , 2012 , 33, 155-162		13
24	Metribuzin removal with electro-activated granular carbon. <i>Chemical Engineering and Processing: Process Intensification</i> , 2012 , 55, 20-23	3.7	13
23	Modeling of the adsorption of metribuzin pesticide onto electro-activated granular carbon. <i>Desalination and Water Treatment</i> , 2016 , 57, 1865-1873		12
22	Biodegradation of Malathion with Indigenous Acclimated Activated Sludge in Batch Mode and in Continuous-Flow Packed-Bed Reactor. <i>Bioremediation Journal</i> , 2013 , 17, 294-304	2.3	12
21	Comparison of different models of substrate inhibition in aerobic batch biodegradation of malathion. <i>Turkish Journal of Engineering and Environmental Sciences</i> , 2013 , 37, 221-230		12
20	Evaluation of the Physical Stability of Zinc Oxide Suspensions Containing Sodium Poly-(acrylate) and Sodium Dodecylsulfate. <i>Journal of Dispersion Science and Technology</i> , 2011 , 32, 1786-1798	1.5	11

19	Investigation of aerosol trace element concentrations nearby Algiers for environmental monitoring using instrumental neutron activation analysis. <i>Atmospheric Research</i> , 2015 , 166, 49-59	5.4	10
18	Economic study of groundwater defluoridation of the North African Sahara. <i>Desalination and Water Treatment</i> , 2015 , 54, 2681-2691		10
17	Water denitrification by a hybrid process combining a new bioreactor and conventional electro dialysis. <i>Chemical Engineering and Processing: Process Intensification</i> , 2013 , 63, 1-6	3.7	10
16	Simultaneous removal of natural organic matter and turbidity from Oued El Harrach River by electrocoagulation using an experimental design approach. <i>Desalination and Water Treatment</i> , 2016 , 57, 14386-14395		9
15	Effectiveness of a physicochemical coagulation/flocculation process for the pretreatment of polluted water containing Hydron Blue Dye. <i>Desalination and Water Treatment</i> , 2016 , 57, 27003-27014		9
14	Enzymatic saccharification of solid residue of olive mill in a batch reactor. <i>Biochemical Engineering Journal</i> , 2000 , 6, 177-183	4.2	9
13	Antimicrobial activity of aqueous extracts from four plants on bacterial isolates from periodontitis patients. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 13394-13404	5.1	8
12	Biohydrogen production by dark and photo-fermentation processes 2013 ,		8
11	Immobilization of heavy metals by modified bentonite coupled coagulation/flocculation process in the presence of a biological flocculant. <i>Desalination and Water Treatment</i> , 2016 , 57, 6072-6080		7
10	Use of chitosan in coagulation flocculation of raw water of Keddara and Beni Amrane dams. <i>Water Science and Technology: Water Supply</i> , 2011 , 11, 202-210	1.4	7
9	Removal and recovery of copper from aqueous solutions by <i>Streptomyces rimosus</i> biomass: Enhancement of regeneration by desorption-electrolysis coupling. <i>Desalination and Water Treatment</i> , 2009 , 3, 210-216		7
8	Utilization of electro dialysis for the regeneration of granular activated carbon packed in beds saturated with H ₂ S. <i>Desalination</i> , 2006 , 200, 629-631	10.3	7
7	Mechanism of phenol adsorption onto electro-activated carbon granules. <i>Water Research</i> , 2004 , 38, 218-245	2.5	5
6	Utilisation of factorial experiments for the UV/H ₂ O ₂ process in a batch reactor. <i>Water S A</i> , 2001 , 27, 551	1.3	5
5	Green hydrogen production by <i>Rhodobacter sphaeroides</i> . <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2019 , 1-19	1.6	4
4	Evaluation of the robustness of the enzymatic hydrolysis in batch and continuous mode by a central composite design. <i>Journal of Food Processing and Preservation</i> , 2018 , 42, e13330	2.1	2
3	Preparation of an activated carbon involving magnetic properties. <i>Desalination and Water Treatment</i> , 2016 , 57, 25379-25387		1
2	Assessment of elemental composition in Algiers-Algeria, using instrumental neutron activation analysis on different environmental samples of lichens and tree barks. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2021 , 329, 1301-1311	1.5	0

- 1 First results on biostimulation of denitrifying activated sludge using low frequency ultrasound.
Water and Environment Journal, **2017**, 31, 463-469

1.7