Ahmed Ghrabi

List of Publications by Year
in descending order

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61 papers	1,581 citations	304602 22 h-index	315616 38 g-index
65 all docs	65 docs citations	65 times ranked	2036 citing authors

#	Article	IF	Citations
1	Landfill leachate treatment with ozone and ozone/hydrogen peroxide systems. Journal of Hazardous Materials, 2007, 140, 316-324.	6.5	261
2	Porous Mn-doped ZnO nanoparticles for enhanced solar and visible light photocatalysis. Materials and Design, 2016, 101, 309-316.	3.3	165
3	Aqueous synthesis and enhanced photocatalytic activity of ZnO/Fe2O3 heterostructures. Journal of Physics and Chemistry of Solids, 2014, 75, 1081-1087.	1.9	82
4	Nitrogen and bacterial removal in constructed wetlands treating domestic waste water. Desalination, 2005, 185, 383-389.	4.0	77
5	Biological treatment of grey water using sequencing batch reactor. Desalination, 2007, 215, 127-132.	4.0	69
6	Solar photocatalytic degradation of commercial textile azo dyes: Performance of pilot plant scale thin film fixed-bed reactor. Desalination, 2009, 246, 344-352.	4.0	59
7	Use of GIS based Inverse Distance Weighted interpolation to assess surface water quality: Case of Wadi El Bey, Tunisia. Environmental Technology and Innovation, 2021, 24, 101892.	3.0	57
8	Treatment of segregated black/grey domestic wastewater using constructed wetlands in the Mediterranean basin: the zer0-m experience. Water Science and Technology, 2010, 61, 97-105.	1.2	55
9	Efficiency of a coagulation/flocculationâ€“membrane filtration hybrid process for the treatment of vegetable oil refinery wastewater for safe reuse and recovery. Chemical Engineering Research and Design, 2020, 135, 323-341.	2.7	53
10	Impact of influent wastewater quality on nitrogen removal rates in multistage treatment wetlands. Environmental Science and Pollution Research, 2015, 22, 12840-12848.	2.7	51
11	Constructed wetland as a low cost and sustainable solution for wastewater treatment adapted to rural settlements: the Chorfech wastewater treatment pilot plant. Water Science and Technology, 2011, 63, 3006-3012.	1.2	48
12	Multi-stage constructed wetland systems for municipal wastewater treatment. Water Science and Technology, 2013, 67, 1590-1598.	1.2	38
13	Process optimization via response surface methodology in the physico-chemical treatment of vegetable oil refinery wastewater. Environmental Science and Pollution Research, 2019, 26, 18993-19011.	2.7	36
14	Characterization and anaerobic batch reactor treatment of Jebel Chakir Landfill leachate. Desalination, 2009, 246, 417-424.	4.0	33
15	Assessing the performances of an aerobic membrane bioreactor for textile wastewater treatment: Influence of dye mass loading rate and biomass concentration. Chemical Engineering Research and Design, 2020, 135, 364-382.	2.7	33
16	Stress response of mammalian cells incubated with landfill leachate. Environmental Toxicology and Chemistry, 2008, 27, 1084-1092.	2.2	28
17	Microbial characterization during aerobic biological treatment of landfill leachate (Tunisia). Desalination, 2009, 246, 378-388.	4.0	28
18	Removal kinetic of Escherichia coli and enterococci in a laboratory pilot scale wastewater maturation pond. Water Science and Technology, 2014, 69, 755-759.	1.2	28

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19	Coupling of anoxic and aerobic biological treatment of landfill leachate. Desalination, 2009, 246, 506-513.	4.0	26
20	Assessment of physico-chemical and microbiological surface water quality using multivariate statistical techniques: a case study of the Wadi El-Bey River, Tunisia. Arabian Journal of Geosciences, 2017, 10, 1.	0.6	24
21	ZnO Nanorods with High Photocatalytic and Antibacterial Activity under Solar Light Irradiation. Materials, 2018, 11, 2158.	1.3	24
22	Comparison of suspended and fixed photocatalytic reactor systems. Water Science and Technology, 2001, 44, 245-249.	1.2	23
23	Degradation of recalcitrant organic contaminants by solar photocatalysis. Water Science and Technology, 2007, 55, 119-125.	1.2	21
24	Photocatalytic degradation of the Acid Blue 113 textile azo dye in aqueous suspensions of four commercialized TiO₂ samples. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2008, 43, 202-209.	0.9	19
25	Aliphatic and Aromatic Biomarkers for Petroleum Hydrocarbon Investigation in Marine Sediment. Journal of Petroleum Science Research, 2013, 2, 145.	0.7	19
26	Descriptive and multivariable analysis of the physico-chemical and biological parameters of Sfax wastewater treatment plant. Desalination, 2009, 246, 496-505.	4.0	17
27	Greywater treatment in a submerged membrane bioreactor with gravitational filtration. Desalination and Water Treatment, 2012, 46, 182-187.	1.0	17
28	Seasonal Distribution, Source Identification, and Toxicological Risk Assessment of Polycyclic Aromatic Hydrocarbons (PAHs) in Sediments from Wadi El Bey Watershed in Tunisia. Archives of Environmental Contamination and Toxicology, 2017, 73, 488-510.	2.1	16
29	Seasonal occurrence, source evaluation and ecological risk assessment of polycyclic aromatic hydrocarbons in industrial and agricultural effluents discharged in Wadi El Bey (Tunisia). Environmental Geochemistry and Health, 2018, 40, 1609-1627.	1.8	16
30	Stress response of heavy metal mixture present in wastewater and leachate on heatâ€shock protein 47â€transfected cells. Environmental Toxicology and Chemistry, 2010, 29, 1637-1647.	2.2	12
31	Comparative study of Gram-negative bacteria response to solar photocatalytic inactivation. Environmental Science and Pollution Research, 2019, 26, 18961-18970.	2.7	11
32	Detection of active pathogenic bacteria under stress conditions using lytic and specific phage. Water Science and Technology, 2019, 80, 282-289.	1.2	11
33	Effect of photocatalysis (TiO₂/UV_A) on the inactivation and inhibition ofPseudomonas aeruginosavirulence factors expression. Environmental Technology (United) Tj ETQq1 1 0.784314 rgBT /Overlock	1.4	11
34	Assessment of heavy metals pollution using multivariate statistical analysis methods in Wadi El Bey (Tunisia). Desalination and Water Treatment, 2016, 57, 22152-22165.	1.0	10
35	Optimization of coagulationâ€“flocculation process in the treatment of surface water for a maximum dissolved organic matter removal using RSM approach. Water Science and Technology: Water Supply, 2021, 21, 3042-3056.	1.0	10
36	Investigation of Nitrification and Denitrification in the Sediment of Wastewater Stabilization Ponds. Water, Air, and Soil Pollution, 2011, 219, 389-399.	1.1	9

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37	Purple anoxygenic phototrophic bacteria distribution in Tunisian wastewater stabilisation plant exhibiting red water phenomenon. Annals of Microbiology, 2009, 59, 399-408.	1.1	7
38	Removal improvement of bacteria (Escherichia coli and enterococci) in maturation ponds using baffles. Water Science and Technology, 2012, 65, 589-595.	1.2	7
39	Assessment of wastewater-irrigated soil containing heavy metals and establishment of specific biomarkers. Ecotoxicology and Environmental Safety, 2012, 84, 54-62.	2.9	7
40	Anoxygenic phototrophic bacterial diversity within wastewater stabilization plant during â€˜red waterâ€™ phenomenon. International Journal of Environmental Science and Technology, 2013, 10, 837-846.	1.8	7
41	Removal ofE. coliand enterococci in maturation pond and kinetic modelling under sunlight conditions. Desalination and Water Treatment, 0, , 1-7.	1.0	7
42	First Investigation of Seasonal Concentration Behaviors and Sources Assessment of Aliphatic Hydrocarbon in Waters and Sediments from Wadi El Bey, Tunisia. Archives of Environmental Contamination and Toxicology, 2020, 78, 1-19.	2.1	7
43	Diagnosis and characteristics of water quality along the Wadi El Bey river (Tunisia). Coagulation/flocculation essays of textile effluents discharged into the Wadi. Desalination and Water Treatment, 2016, 57, 22166-22188.	1.0	6
44	The application of phage reactivation capacity to sens bacterial viability and activity after photocatalytic treatment. Environmental Technology (United Kingdom), 2021, 42, 1-9.	1.2	6
45	Application of bioinoculation to enhance rhizocompetence of horizontal subsurface flow constructed wetland system. Desalination and Water Treatment, 2016, 57, 22133-22139.	1.0	5
46	Enhancement of rhizocompetence in pathogenic bacteria removal of a constructed wetland system. Water Science and Technology, 2019, 79, 251-259.	1.2	5
47	The interaction of physicochemical and biological parameters in the maturation ponds in Tunisia. Desalination and Water Treatment, 2015, 54, 1829-1838.	1.0	3
48	Ã‰valuation des taux dâ€™accumulation et de production de boue dans des bassins de stabilisation sous climat mÃ©diterranÃ©enÂ: Ã©tude de cas en Tunisie. Revue Des Sciences De L'Eau, 0, 24, 63-76.	0.2	2
49	A new approach for local waste water management sanitation case study of rural school (Chorfech) Tj ETQq1 1 0.784314 rgBT /Overl	1.0	2
50	Use of the catalytic complex TiO2/red cabbage anthocyanins to reduce the biofilm formation by planktonic bacteria. Environmental Technology (United Kingdom), 2020, 42, 1-9.	1.2	2
51	Use of bacteriophage to inactivate pathogenic bacteria from wastewater. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2022, 57, 111-116.	0.9	2
52	Photocatalytic Degradation of four Textile Azo Dyes in Aqueous TiO2 Suspensions: Practical Outcomes and Revisited Pathways. Journal of Advanced Oxidation Technologies, 2006, 9, .	0.5	1
53	Molecular analysis of the spatial distribution of sulfate-reducing bacteria in three eutrophicated wastewater stabilization ponds. Annals of Microbiology, 2011, 61, 563-573.	1.1	1
54	Occurrence, Sources and Environmental Health Risk Assessment of Polycyclic Aromatic Hydrocarbons in Agricultural and Industrial Effluent Discharges in Wadi El Bey (Tunisia). Journal of Analytical & Bioanalytical Techniques, 2017, 08, .	0.6	1

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55	Monitoring of methylene blue monomers and dimers to control the bacterialogical water quality including application to photocatalysis. Environmental Science and Pollution Research, 2021, 28, 15819-15827.	2.7	1
56	Efficiency of Hybrid Process of Coagulation/Flocculation Followed by Membrane Filtration for the Treatment of Synthetic Vegetable Oil Refinery Wastewater. Environmental Science and Engineering, 2021, , 3-8.	0.1	1
57	Occurrence, Sources and Environmental Health Risk Assesement of Polycyclic Aromatic Hydrocarbons in Domestic Effluents Discharges in Wadi El Bey (Tunisia). Advances in Science, Technology and Innovation, 2018, , 463-466.	0.2	0
58	Application of Bacteriophage and Essential Oil to Monitor Bacterial Biofilm Formation. Advances in Science, Technology and Innovation, 2018, , 273-274.	0.2	0
59	Stress Response of Mammalian Cells Incubated with Landfill Leachate. Environmental Toxicology and Chemistry, 2007, preprint, 1.	2.2	0
60	Biomarkers of pollution in soils irrigated with wastewater in Tunisia. WIT Transactions on Ecology and the Environment, 2010, , .	0.0	0
61	First Investigation of Seasonal Concentration Behaviors and Sources Assessment of Aliphatic Hydrocarbon in Wastewater and Sediment from Wadi El Bey, Tunisia. , 2017, 07, .		0