Abdallah Bouguettoucha

List of Publications by Year
in descending order

30	483	759190 12	713444 21
papers	citations	h-index	g-index

30	30	30	574
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	Enhanced photocatalytic degradation of methylene blue: Preparation of TiO2/reduced graphene oxide nanocomposites by direct sol-gel and hydrothermal methods. Materials Research Bulletin, 2017, 95, 578-587.	5.2	68
3	Role of the Wild Carob as Biosorbent and as Precursor of a New High-Surface-Area Activated Carbon for the Adsorption of Methylene Blue. Arabian Journal for Science and Engineering, 2021, 46, 325-341.	3.0	31
4	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
5	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
6	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
7	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
8	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
9	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
10	Adsorption of ethyl violet dye in aqueous solution by forest wastes, wild carob. Desalination and Water Treatment, 2016, 57, 9859-9870.	1.0	19
11	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
12	Novel Fe2TiO5/reduced graphene oxide heterojunction photocatalyst with improved adsorption capacity and visible light photoactivity: experimental and DFT approach. Environmental Science and Pollution Research, 2021, 28, 8507-8519.	5.3	16
13	Unstructured generalized models for the analysis of the inhibitory and the nutritional limitation effects on Lactobacillus helveticus growthâ€”Models validation. Biochemical Engineering Journal, 2008, 39, 566-574.	3.6	11
14	Effect of acid and alkali treatments of a forest waste, Pinus brutia cones, on adsorption efficiency of methyl green. Journal of Dispersion Science and Technology, 2017, 38, 463-471.	2.4	10
15	Interfacial coupling effects on adsorptive and photocatalytic performances for photoresponsive graphene-wrapped SrTiO3@Ag under UVâ€“visible light: experimental and DFT approach. Environmental Science and Pollution Research, 2022, 29, 28098-28114.	5.3	10
16	High efficiency of methylene blue removal using a novel low-cost acid treated forest wastes,Cupressus semperirens cones: Experimental results and modeling. Particulate Science and Technology, 2019, 37, 504-513.	2.1	9
17	Bottom-up construction of reduced-graphene-oxide-anchored spinel magnet Fe2.02Ni1.01O3.22, anatase TiO2 and metallic Ag nanoparticles and their synergy in photocatalytic water reduction. Journal of Environmental Chemical Engineering, 2021, 9, 105307.	6.7	9
18	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. Journal of Molecular Liquids, 2020, 316, 113841.	4.9	7

#	Article	IF	Citations
19	Drift flux concept in two- and three-phase reactors. Chemical Engineering Science, 2007, 62, 7530-7538.	3.8	6
20	Impact of $$hbox {TiO}_{2}$$ TiO 2 â€“Cation Exchange Resin Composite on the Removal of Ethyl Violet. Arabian Journal for Science and Engineering, 2018, 43, 2451-2463.	3.0	6
21	Amperometric Determination of Hydrogen Peroxide and its Mathematical Simulation for Horseradish Peroxidase Immobilized on a Sonogel Carbon Electrode. Analytical Letters, 2019, 52, 1215-1235.	1.8	6
22	Nanobiosensors for Detection of Phenolic Compounds. Nanotechnology in the Life Sciences, 2020, , 275-307.	0.6	5
23	Statistical physics modelling of azo dyes biosorption onto modified powder of Acorus calamus in batch reactor. Biomass Conversion and Biorefinery, 2023, 13, 1013-1028.	4.6	5
24	Synthesis and physicochemical characterization of new calcined layered double hydroxide Mg Zn Co Al-CO3; classical modeling and statistical physics of nitrate adsorption. Inorganic Chemistry Communication, 2022, 145, 109549.	3.9	4
25	Low-Cost Photo-Fenton-Like Process for the Removal of Synthetic Dye in Aqueous Solution at Circumneutral pH. Arabian Journal for Science and Engineering, 2019, 44, 9859-9867.	3.0	3
26	Batch Adsorption of Synthetic Dye by Maclura Pomifera, a New Eco-Friendly Waste Biomass: Experimental Studies and Modeling. International Journal of Chemical Reactor Engineering, 2019, 17, .	1.1	2
27	Removal of tiemonium methylsulfate, from aqueous solutions using activated carbon prepared from date stones. Particulate Science and Technology, 2019, 37, 190-199.	2.1	2
28	A New Highly Efficient Algerian Clay for the Removal of Heavy Metals of Cu(II) and Pb(II) from Aqueous Solutions: Characterization, Fractal, Kinetics, and Isotherm Analysis. Arabian Journal for Science and Engineering, 2020, 45, 205-218.	3.0	2
29	Adsorption of a Cationic Dye Crystal Violet onto a Binary Mixture of Forest Waste Biopolymer: Advanced Statistical Physics Studies. Advanced Materials Research, 0, 1168, 93-113.	0.3	1
30	Study and Elucidation of Fractal Dimension in Anionic and Cationic Clays: Relationship between Fractal Dimensions to the Amount Adsorbed and Pore Size. Advanced Engineering Forum, 2018, 30, 25-42.	0.3	0