Abdelmottaleb Ouederni

List of Publications by Year
in descending order

72 papers	1,866 citations	257101 24 h-index	276539 41 g-index
72 all docs	72 docs citations	72 times ranked	2235 citing authors

#	Article	IF	Citations
1	Characterization and adsorption capacity of raw pomegranate peel biosorbent for copper removal. Journal of Cleaner Production, 2017, 142, 3809-3821.	4.6	264
2	Evaluation of an activated carbon from olive stones used as an adsorbent for heavy metal removal from aqueous phases. Comptes Rendus Chimie, 2015, 18, 88-99.	0.2	136
3	Competitive adsorption of ibuprofen and amoxicillin mixtures from aqueous solution on activated carbons. Journal of Colloid and Interface Science, 2015, 449, 252-260.	5.0	112
4	Activated carbon prepared by physical activation of olive stones for the removal of NO2 at ambient temperature. Comptes Rendus Chimie, 2015, 18, 63-74.	0.2	103
5	Amoxicillin removal from aqueous solution using activated carbon prepared by chemical activation of olive stone. Environmental Science and Pollution Research, 2017, 24, 9993-10004.	2.7	86
6	Study of synergetic effect, catalytic poisoning and regeneration using dielectric barrier discharge and photocatalysis in a continuous reactor: Abatement of pollutants in air mixture system. Applied Catalysis B: Environmental, 2017, 213, 53-61.	10.8	64
7	Abatement of ammonia and butyraldehyde under non-thermal plasma and photocatalysis: Oxidation processes for the removal of mixture pollutants at pilot scale. Chemical Engineering Journal, 2018, 344, 165-172.	6.6	55
8	Copper supported on porous activated carbon obtained by wetness impregnation: Effect of preparation conditions on the ozonation catalyst's characteristics. Comptes Rendus Chimie, 2015, 18, 100-109.	0.2	52
9	Improvement of oxygen-containing functional groups on olive stones activated carbon by ozone and nitric acid for heavy metals removal from aqueous phase. Environmental Science and Pollution Research, 2016, 23, 15852-15861.	2.7	49
10	Simultaneous adsorption behavior of heavy metals onto microporous olive stones activated carbon: analysis of metal interactions. Euro-Mediterranean Journal for Environmental Integration, 2017, 2, 1.	0.6	44
11	Optimization of biomass-based carbon materials for hydrogen storage. Journal of Energy Storage, 2016, 5, 77-84.	3.9	43
12	Nitrobenzene degradation in aqueous solution using ozone/cobalt supported activated carbon coupling process: A kinetic approach. Separation and Purification Technology, 2017, 184, 308-318.	3.9	39
13	The Potential of Activated Carbon Made of Agro-Industrial Residues in NOx Immissions Abatement. Energies, 2017, 10, 1508.	1.6	39
14	Synergism between non-thermal plasma and photocatalysis: Implicationsin the post discharge of ozone at a pilot scale in a catalytic fixed-bed reactor. Applied Catalysis B: Environmental, 2019, 241, 227-235.	10.8	37
15	Influence of Nitric Acid Concentration on Characteristics of Olive Stone Based Activated Carbon. Chinese Journal of Chemical Engineering, 2013, 21, 1425-1430.	1.7	36
16	Pyrolysis of Olive Pomace: Degradation Kinetics, Gaseous Analysis and Char Characterization. Waste and Biomass Valorization, 2017, 8, 1689-1697.	1.8	35
17	Pyrolysis technologies for pomegranate (Punica granatum L.) peel wastes. Prospects in the bioenergy sector. Renewable Energy, 2019, 136, 373-382.	4.3	35
18	High pressure methane adsorption on microporous carbon monoliths prepared by olives stones. Materials Letters, 2013, 99, 184-187.	1.3	31

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19	Synthesis and characterization of electrical conducting nanoporous carbon structures. Physica B: Condensed Matter, 2007, 395, 104-110.	1.3	30
20	Decomposition of Dissolved Ozone in the Presence of Activated Carbon: An Experimental Study. Ozone: Science and Engineering, 2004, 26, 299-307.	1.4	28
21	Ozone Absorption in Water: Mass Transfer and Solubility. Ozone: Science and Engineering, 1987, 9, 1-12.	1.4	27
22	Optimization of extraction process and chemical characterization of pomegranate peel extract. Chemical Papers, 2018, 72, 2087-2100.	1.0	27
23	Functionalized and metal-doped biomass-derived activated carbons for energy storage application. Journal of Energy Storage, 2017, 13, 268-276.	3.9	26
24	High added-value products from the hydrothermal carbonisation of olive stones. Environmental Science and Pollution Research, 2017, 24, 9859-9869.	2.7	26
25	Evaluation of activated carbons based on olive stones as catalysts during hydrogen production by thermocatalytic decomposition of methane. International Journal of Hydrogen Energy, 2017, 42, 8712-8720.	3.8	25
26	Oxygen-promoted hydrogen adsorption on activated and hybrid carbon materials. International Journal of Hydrogen Energy, 2020, 45, 30767-30782.	3.8	25
27	Combined Effect of Spirulina Platensis and Punica Granatum Peel Extacts: Phytochemical Content and Antiphytophatogenic Activity. Applied Sciences (Switzerland), 2019, 9, 5475.	1.3	23
28	From pomegranate peels waste to one-step alkaline carbonate activated carbons. Prospect as sustainable adsorbent for the renewable energy production. Journal of Environmental Chemical Engineering, 2022, 10, 107010.	3.3	23
29	Ozone decomposition on glass and silica. Ozone: Science and Engineering, 1996, 18, 385-416.	1.4	21
30	How the activation process modifies the hydrogen storage behavior of biomass-derived activated carbons. Journal of Porous Materials, 2018, 25, 221-234.	1.3	21
31	Influence of the raw material and nickel oxide on the CH4 capture capacity behaviors of microporous carbon. International Journal of Hydrogen Energy, 2015, 40, 13690-13701.	3.8	20
32	Toward sustainable hydrogen storage and carbon dioxide capture in post-combustion conditions. Journal of Environmental Chemical Engineering, 2017, 5, 1628-1637.	3.3	19
33	Study of methane and carbon dioxide adsorption capacity by synthetic nanoporous carbon based on pyrogallol-formaldehyde. International Journal of Hydrogen Energy, 2017, 42, 8905-8913.	3.8	17
34	CO₂ activation of olive bagasse for hydrogen storage. Environmental Progress and Sustainable Energy, 2017, 36, 315-324.	1.3	17
35	Towards a more efficient Hydrothermal Carbonization: Processing water recirculation under different conditions. Waste Management, 2021, 132, 115-123.	3.7	17
36	Factors Influencing NO2 Adsorption/Reduction on Microporous Activated Carbon: Porosity vs. Surface Chemistry. Materials, 2018, 11, 622.	1.3	16

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37	Catalytic and photocatalytic ozonation with activated carbon as technologies in the removal of aqueous micropollutants. Journal of Photochemistry and Photobiology A: Chemistry, 2019, 382, 111961.	2.0	16
38	Pine cone pyrolysis: Optimization of temperature for energy recovery. Environmental Progress and Sustainable Energy, 2020, 39, 13272.	1.3	16
39	The Use of the Thermal and Electronic Effect in a Cold Plasma Reactor for Ozone Synthesis. Ozone: Science and Engineering, 1987, 9, 247-258.	1.4	14
40	Clopyralid degradation using solar-photocatalytic/ozone process with olive stone activated carbon. Journal of Environmental Chemical Engineering, 2019, 7, 102900.	3.3	14
41	The severity factor as a useful tool for producing hydrochars and derived carbon materials. Environmental Science and Pollution Research, 2018, 25, 1497-1507.	2.7	13
42	Effect of the both texture and electrical properties of activated carbon on the CO 2 adsorption capacity. Materials Research Bulletin, 2016, 73, 130-139.	2.7	12
43	Foam and granular olive stone-derived activated carbons for NO2 filtration from indoor air. Journal of Environmental Chemical Engineering, 2019, 7, 103005.	3.3	11
44	Effects of nitrogen plasma treatment on the surface characteristics of olive stone-based activated carbon. Environmental Technology (United Kingdom), 2017, 38, 956-966.	1.2	10
45	Adsorption of dyes onto activated carbon prepared from olive stones. Journal of Environmental Sciences, 2005, 17, 998-1003.	3.2	10
46	Activated carbon from olive stones by a two step process: influence of production parameters on textural characteristics. European Journal of Control, 2006, 31, 151-167.	1.6	9
47	Single and binary adsorption of some heavy metal ions from aqueous solutions by activated carbon derived from olive stones. Desalination and Water Treatment, 0, , 1-7.	1.0	8
48	Elaboration of porous carbon/nickel nanocomposites for selective gas storage. Solid State Sciences, 2019, 93, 37-43.	1.5	8
49	Removal of Color and Organic Matter in Industrial Phosphoric Acid by Ozone: Effect on Activated Carbon Treatment. Ozone: Science and Engineering, 1995, 17, 637-645.	1.4	6
50	An Optimization Study of Cobalt Supported on Activated Carbon for the Catalytic Ozonation of Oxalic Acid: Effect of Operating Parameters and Synergetic Combination. Ozone: Science and Engineering, 2019, 41, 274-285.	1.4	6
51	Pomegranate Peels Activated Carbon by Phosphoric Acid Activation: Preparation, Characterization and Evaluation of Adsorptive Properties. Journal of Engineering and Applied Sciences, 2019, 14, 6731-6741.	0.2	6
52	Ozone Decomposition over Cobalt Supported on Olive Stones Activated Carbon: Effect of Preparation Method on Catalyst Activity. Ozone: Science and Engineering, 2017, 39, 435-446.	1.4	5
53	BIOSORPTION OF LEAD HEAVY METAL ON PRICKLY PEAR CACTUS BIOMATERIAL: KINETIC, THERMODYNAMIC AND REGENERATION STUDIES. Cellulose Chemistry and Technology, 2021, 55, 919-932.	0.5	5
54	Fast Production of Activated Carbon from Pomegranate Peels by Combining Microwave Heating and Phosphoric Acid Activation for Paracetamol Adsorption. Environmental Engineering Science, 2022, 39, 441-452.	0.8	4

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55	Practical heat transfer model for oxygenâ€fed ozone generators. Ozone: Science and Engineering, 1996, 18, 461-468.	1.4	3
56	Hydrogen sulfide removal from the waste gas of phosphoric acid plant. Environmental Progress and Sustainable Energy, 2020, 39, 13304.	1.3	3
57	Thermal behaviour of impregnated olive stones with phosphoric acid via TGA-MS. Comptes Rendus Chimie, 2021, 24, 149-162.	0.2	3
58	Hydrothermal carbonization as a preliminary step to pine cone pyrolysis for bioenergy production. Comptes Rendus Chimie, 2020, 23, 607-621.	0.2	3
59	Treatment of dissolved sulfides in water by combined process using ozone and activated carbon. Desalination and Water Treatment, 0, , 1-8.	1.0	2
60	New fuzzy bi-clustering technique applied to the voltage stabilization of an electrical network. Journal of Intelligent and Fuzzy Systems, 2014, 26, 1857-1868.	0.8	2
61	Comments on â€œComments on â€˜Characterization and adsorption capacity of raw pomegranate peel biosorbent for copper removalâ€™â€• Journal of Cleaner Production, 2017, 154, 269-275.	4.6	2
62	Adsorption/ Regeneration Coupling Process Using Ozone on Cobalt Supported on Activated Carbon for Nitrobenzene Degradation. Ozone: Science and Engineering, 2021, 43, 32-47.	1.4	2
63	An optimization study of nickel catalyst supported on activated carbon for the 2-nitrophenol catalytic ozonation. , 0, 112, 242-249.		2
64	Pomegranate peels as a precursor for activated carbon by phosphoric acid and steam activation: Carbonization temperature and time effects. , 2014, , .		1
65	CO2 Adsorption on Activated Carbon Based Olive Stone: A Comparison of Langmuir and Freundlich Models. Advances in Science, Technology and Innovation, 2018, , 1099-1100.	0.2	1
66	Removal of dissolved sulfides from synthetic and industrial solutions by activated carbon derived from Tunisian olive stone. Environmental Progress and Sustainable Energy, 0, , e13759.	1.3	1
67	APPLICATION OF ACTIVATED CARBON PREPARED FROM OLIVE STONES IN THE REMOVAL OF TWO BASIC DYES FROM WATER. Global Journal of Pure and Applied Sciences, 2004, 10, 91.	0.1	0
68	Methane storage on olive stones-based activated carbons under high pressure. , 2012, , .		0
69	Production of activated carbon pellets from olive stones for CO<SUB align="right">2 adsorption. International Journal of Environmental Engineering, 2016, 8, 110.	0.1	0
70	Removal of aqueous Clopyralid by Photoctalytic-ozonation process on Activated carbon under solar radiation: Catalyst characterization and kinetic study. E3S Web of Conferences, 2019, 95, 02005.	0.2	0
71	Production of activated carbon pellets from olive stones for CO<SUB align="right">2 adsorption. International Journal of Environmental Engineering, 2016, 8, 110.	0.1	0
72	Olive stones based carbon foam: synthesis, characterization and application on post-combustion CO2 adsorption. Journal of Porous Materials, 0, , 1.	1.3	0