

Abdellatif Barakat

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

1,513
citations

567281

15
h-index

794594

19
g-index

19
all docs

19
docs citations

19
times ranked

1910
citing authors

#	ARTICLE	IF	CITATIONS
1	Coupling anaerobic digestion and pyrolysis processes for maximizing energy recovery and soil preservation according to the circular economy concept. <i>Journal of Environmental Management</i> , 2021, 279, 111632.	7.8	27
2	Production and Dry Mechanochemical Activation of Biochars Derived from Moroccan Red Macroalgae Residue and Olive Pomace Biomass for Treating Wastewater: Thermodynamic, Isotherm, and Kinetic Studies. <i>ACS Omega</i> , 2021, 6, 159-171.	3.5	4
3	Anaerobic digestion and agronomic applications of microalgae for its sustainable valorization. <i>RSC Advances</i> , 2021, 11, 26444-26462.	3.6	14
4	Recent trends in organic coating based on biopolymers and biomass for controlled and slow release fertilizers. <i>Journal of Controlled Release</i> , 2021, 330, 341-361.	9.9	123
5	Industrial symbiosis of anaerobic digestion and pyrolysis: Performances and agricultural interest of coupling biochar and liquid digestate. <i>Science of the Total Environment</i> , 2021, 793, 148461.	8.0	25
6	Effective Catalytic Delignification and Fractionation of Lignocellulosic Biomass in Water over Zn ₃ V ₂ O ₈ Mixed Oxide. <i>ACS Omega</i> , 2020, 5, 304-316.	3.5	8
7	New generation of controlled release phosphorus fertilizers based on biological macromolecules: Effect of formulation properties on phosphorus release. <i>International Journal of Biological Macromolecules</i> , 2020, 143, 153-162.	7.5	58
8	Bibliometric analysis of the evolution of biochar research trends and scientific production. <i>Clean Technologies and Environmental Policy</i> , 2020, 22, 1967-1997.	4.1	21
9	Production of Microalgal Slow-Release Fertilizer by Valorizing Liquid Agricultural Digestate: Growth Experiments with Tomatoes. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 3890.	2.5	25
10	Effect of coupling alkaline pretreatment and sewage sludge co-digestion on methane production and fertilizer potential of digestate. <i>Science of the Total Environment</i> , 2020, 743, 140670.	8.0	27
11	Impact of Plasticizers on Lignin Carrageenan Formulation Properties and on Phosphorus Release from a Coated Triple Superphosphate Fertilizer. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 14172-14179.	3.7	17
12	Properties of Coated Slow-Release Triple Superphosphate (TSP) Fertilizers Based on Lignin and Carrageenan Formulations. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 10371-10382.	6.7	56
13	One-pot activation and pyrolysis of Moroccan <i>Gelidium sesquipedale</i> red macroalgae residue: production of an efficient adsorbent biochar. <i>Biochar</i> , 2019, 1, 401-412.	12.6	13
14	Reuse of red algae waste for the production of cellulose nanocrystals and its application in polymer nanocomposites. <i>International Journal of Biological Macromolecules</i> , 2018, 106, 681-691.	7.5	155
15	Mechanical dissociation and fragmentation of lignocellulosic biomass: Effect of initial moisture, biochemical and structural proprieties on energy requirement. <i>Applied Energy</i> , 2015, 142, 240-246.	10.1	89
16	Bio-nanocomposite films reinforced with cellulose nanocrystals: Rheology of film-forming solutions, transparency, water vapor barrier and tensile properties of films. <i>Carbohydrate Polymers</i> , 2015, 129, 156-167.	10.2	321
17	Lignocellulosic Materials Into Biohydrogen and Biomethane: Impact of Structural Features and Pretreatment. <i>Critical Reviews in Environmental Science and Technology</i> , 2013, 43, 260-322.	12.8	318
18	Predictive Models of Biohydrogen and Biomethane Production Based on the Compositional and Structural Features of Lignocellulosic Materials. <i>Environmental Science & Technology</i> , 2012, 46, 12217-12225.	10.0	176

#	ARTICLE	IF	CITATIONS
19	Characterization of Arabinoxylan [~] Dehydrogenation Polymer (Synthetic Lignin Polymer) Nanoparticles. <i>Biomacromolecules</i> , 2007, 8, 1236-1245.	5.4	36