Abdellatif Barakat

List of Publications by Year
in descending order

19	1,513	567281 15	794594 19
papers	citations	h-index	g-index

19	19	19	1910
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Bio-nanocomposite films reinforced with cellulose nanocrystals: Rheology of film-forming solutions, transparency, water vapor barrier and tensile properties of films. Carbohydrate Polymers, 2015, 129, 156-167.	10.2	321
2	Lignocellulosic Materials Into Biohydrogen and Biomethane: Impact of Structural Features and Pretreatment. Critical Reviews in Environmental Science and Technology, 2013, 43, 260-322.	12.8	318
3	Predictive Models of Biohydrogen and Biomethane Production Based on the Compositional and Structural Features of Lignocellulosic Materials. Environmental Science & Technology, 2012, 46, 12217-12225.	10.0	176
4	Reuse of red algae waste for the production of cellulose nanocrystals and its application in polymer nanocomposites. International Journal of Biological Macromolecules, 2018, 106, 681-691.	7.5	155
5	Recent trends in organic coating based on biopolymers and biomass for controlled and slow release fertilizers. Journal of Controlled Release, 2021, 330, 341-361.	9.9	123
6	Mechanical dissociation and fragmentation of lignocellulosic biomass: Effect of initial moisture, biochemical and structural proprieties on energy requirement. Applied Energy, 2015, 142, 240-246.	10.1	89
7	New generation of controlled release phosphorus fertilizers based on biological macromolecules: Effect of formulation properties on phosphorus release. International Journal of Biological Macromolecules, 2020, 143, 153-162.	7.5	58
8	Properties of Coated Slow-Release Triple Superphosphate (TSP) Fertilizers Based on Lignin and Carrageenan Formulations. ACS Sustainable Chemistry and Engineering, 2019, 7, 10371-10382.	6.7	56
9	Characterization of Arabinoxylanâ^'Dehydrogenation Polymer (Synthetic Lignin Polymer) Nanoparticles. Biomacromolecules, 2007, 8, 1236-1245.	5.4	36
10	Effect of coupling alkaline pretreatment and sewage sludge co-digestion on methane production and fertilizer potential of digestate. Science of the Total Environment, 2020, 743, 140670.	8.0	27
11	Coupling anaerobic digestion and pyrolysis processes for maximizing energy recovery and soil preservation according to the circular economy concept. Journal of Environmental Management, 2021, 279, 111632.	7.8	27
12	Production of Microalgal Slow-Release Fertilizer by Valorizing Liquid Agricultural Digestate: Growth Experiments with Tomatoes. Applied Sciences (Switzerland), 2020, 10, 3890.	2.5	25
13	Industrial symbiosis of anaerobic digestion and pyrolysis: Performances and agricultural interest of coupling biochar and liquid digestate. Science of the Total Environment, 2021, 793, 148461.	8.0	25
14	Bibliometric analysis of the evolution of biochar research trends and scientific production. Clean Technologies and Environmental Policy, 2020, 22, 1967-1997.	4.1	21
15	Impact of Plasticizers on Ligninâ€"Carrageenan Formulation Properties and on Phosphorus Release from a Coated Triple Superphosphate Fertilizer. Industrial & Engineering Chemistry Research, 2020, 59, 14172-14179.	3.7	17
16	Anaerobic digestion and agronomic applications of microalgae for its sustainable valorization. RSC Advances, 2021, 11, 26444-26462.	3.6	14
17	One-pot activation and pyrolysis of Moroccan Gelidium sesquipedale red macroalgae residue: production of an efficient adsorbent biochar. Biochar, 2019, 1, 401-412.	12.6	13
18	Effective Catalytic Delignification and Fractionation of Lignocellulosic Biomass in Water over Zn₃V₂O₈ Mixed Oxide. ACS Omega, 2020, 5, 304-316.	3.5	8

#	Article	IF	Citations
19	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. ACS Omega, 2021, 6, 159-171.	3.5	4