

# Yaser Dahman

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6758806/publications.pdf>

Version: 2024-02-01

37  
papers

1,094  
citations

393982

19  
h-index

414034

32  
g-index

38  
all docs

38  
docs citations

38  
times ranked

1535  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Review on Anaerobic Co-Digestion with a Focus on the Microbial Populations and the Effect of Multi-Stage Digester Configuration. <i>Energies</i> , 2019, 12, 1106.	1.6	224
2	Nanostructured Biomaterials and Biocomposites from Bacterial Cellulose Nanofibers. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 5105-5122.	0.9	99
3	Potential of Biocellulose Nanofibers Production from Agricultural Renewable Resources: Preliminary Study. <i>Applied Biochemistry and Biotechnology</i> , 2010, 162, 1647-1659.	1.4	67
4	Biomass processing into ethanol: pretreatment, enzymatic hydrolysis, fermentation, rheology, and mixing. <i>Green Processing and Synthesis</i> , 2017, 6, 1-22.	1.3	66
5	Biodegradable poly(lactic acid)-based scaffolds: synthesis and biomedical applications. <i>Journal of Polymer Research</i> , 2017, 24, 1.	1.2	58
6	Improvements in the production of bacterial synthesized biocellulose nanofibres using different culture methods. <i>Journal of Chemical Technology and Biotechnology</i> , 2010, 85, 151-164.	1.6	51
7	A Novel Approach for the Utilization of Biocellulose Nanofibres in Polyurethane Nanocomposites for Potential Applications in Bone Tissue Implants. <i>Designed Monomers and Polymers</i> , 2012, 15, 1-29.	0.7	43
8	Comparisons of existing pretreatment, saccharification, and fermentation processes for butanol production from agricultural residues. <i>Canadian Journal of Chemical Engineering</i> , 2012, 90, 745-761.	0.9	37
9	Fabrication and enhanced mechanical properties of porous PLA/PEG copolymer reinforced with bacterial cellulose nanofibers for soft tissue engineering applications. <i>Polymer Testing</i> , 2017, 61, 114-131.	2.3	36
10	Development and Evaluation of Zeolites and Metal-Organic Frameworks for Carbon Dioxide Separation and Capture. <i>Energy Technology</i> , 2017, 5, 356-372.	1.8	36
11	Investigation of mixing characteristics in a packed-bed external loop airlift bioreactor using tomography images. <i>Chemical Engineering Journal</i> , 2012, 213, 50-61.	6.6	32
12	Radiation crosslinking polymerization of poly (vinyl alcohol) and poly (ethylene glycol) with controlled drug release. <i>Journal of Polymer Research</i> , 2015, 22, 1.	1.2	30
13	Investigating the effect of multi-functional chain extenders on PLA/PEG copolymer properties. <i>International Journal of Biological Macromolecules</i> , 2017, 95, 494-504.	3.6	30
14	Production and recovery of poly-3-hydroxybutyrate bioplastics using agro-industrial residues of hemp hurd biomass. <i>Bioprocess and Biosystems Engineering</i> , 2019, 42, 1115-1127.	1.7	28
15	Macromixing hydrodynamic study in draft-tube airlift reactors using electrical resistance tomography. <i>Bioprocess and Biosystems Engineering</i> , 2011, 34, 135-144.	1.7	26
16	Production of green biocellulose nanofibers by <i>Gluconacetobacter xylinus</i> through utilizing the renewable resources of agriculture residues. <i>Bioprocess and Biosystems Engineering</i> , 2013, 36, 1735-1743.	1.7	24
17	Dynamic and local gas holdup studies in external loop recirculating airlift reactor with two rolls of fiberglass packing using electrical resistance tomography. <i>Journal of Chemical Technology and Biotechnology</i> , 2013, 88, 887-896.	1.6	24
18	Production of green biodegradable plastics of poly(3-hydroxybutyrate) from renewable resources of agricultural residues. <i>Bioprocess and Biosystems Engineering</i> , 2014, 37, 1561-1568.	1.7	23

#	ARTICLE	IF	CITATIONS
19	Enhanced biobutanol production using novel clostridial fusants in simultaneous saccharification and fermentation of green renewable agriculture residues. <i>Biofuels, Bioproducts and Biorefining</i> , 2015, 9, 529-544.	1.9	22
20	Optically transparent nanocomposites reinforced with modified biocellulose nanofibers. <i>Journal of Applied Polymer Science</i> , 2012, 126, E188.	1.3	19
21	Advanced nanobiomaterials in tissue engineering. , 2016, , 141-172.		19
22	An introduction to biofuels, foods, livestock, and the environment. , 2019, , 241-276.		19
23	Functionalized bacterial cellulose nanowhiskers as long-lasting drug nanocarrier for antibiotics and anticancer drugs. <i>Canadian Journal of Chemical Engineering</i> , 2019, 97, 2594-2607.	0.9	12
24	Novel biodegradable polyurethanes reinforced with green nanofibers for applications in tissue engineering. Synthesis and characterization. <i>Canadian Journal of Chemical Engineering</i> , 2014, 92, 1895-1902.	0.9	10
25	Mechanical properties and biodegradability of porous polyurethanes reinforced with green nanofibers for applications in tissue engineering. <i>Polymer Bulletin</i> , 2016, 73, 2039-2055.	1.7	10
26	Characteristics of Local Flow Dynamics and Macro-Mixing in Airlift Column Reactors for Reliable Design and Scale-Up. <i>International Journal of Chemical Reactor Engineering</i> , 2009, 7, .	0.6	9
27	Novel clostridial fusants in comparison with co-cultured counterpart species for enhanced production of biobutanol using green renewable and sustainable feedstock. <i>Bioprocess and Biosystems Engineering</i> , 2015, 38, 2249-2262.	1.7	6
28	Novel fusants of two and three clostridia for enhanced green production of biobutanol. <i>Biofuels</i> , 2021, 12, 1017-1027.	1.4	6
29	Methods of pretreatment and their impacts on anaerobic codigestion of multifeedstocks: A review. <i>Water Environment Research</i> , 2021, 93, 2834-2852.	1.3	6
30	Preparation and characterization of poly(2-hydroxyethyl methacrylate) grafted bacterial cellulose using atom transfer radical polymerization. <i>Fibers and Polymers</i> , 2017, 18, 859-867.	1.1	5
31	Synthesis and characterization of cellulose nanowhisker reinforced poly( $\epsilon$ -caprolactone) scaffold for tissue engineering applications. <i>Journal of Applied Polymer Science</i> , 2020, 137, 48481.	1.3	5
32	Applicability of airlift draft-tube fluidized bioreactors for binary protein mixture bioseparation. <i>Bioprocess and Biosystems Engineering</i> , 2008, 31, 335-344.	1.7	4
33	Comparative Investigations on Optimum Polymerization Conditions for the Synthesis of a Sustainable Poly(Lactic Acid). <i>Journal of Polymers and the Environment</i> , 2018, 26, 1903-1919.	2.4	4
34	Viscoelastic behavior and mechanical properties of polypropylene/nano-calcium carbonate nanocomposites modified by a coupling agent. <i>Macromolecular Research</i> , 2016, , 1.	1.0	2
35	Novel thermostable clostridial strains through protoplast fusion for enhanced biobutanol production at higher temperature preliminary study. <i>AIMS Energy</i> , 2016, 4, 22-36.	1.1	2
36	Response to "Comment on "Novel Biodegradable Polyurethanes Reinforced with Green Nanofibers for Applications in Tissue Engineering. Synthesis and Characterization" by Swapnil Fegade. <i>Canadian Journal of Chemical Engineering</i> , 2015, 93, 1511-1512.	0.9	0

#	ARTICLE	IF	CITATIONS
37	Mesophilic Anaerobic Co-digestion of Manure and Thickened Waste Activated Sludge at Different Mixture Ratios. Proceedings of the Water Environment Federation, 2018, 2018, 166-173.	0.0	0