

Mohamed Elsamadony

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

836
citations

361296

20
h-index

580701

25
g-index

26
all docs

26
docs citations

26
times ranked

732
citing authors

#	ARTICLE	IF	CITATIONS
1	Advances towards understanding long chain fatty acids-induced inhibition and overcoming strategies for efficient anaerobic digestion process. <i>Water Research</i> , 2021, 190, 116732.	5.3	82
2	Possible transmission of viruses from contaminated human feces and sewage: Implications for SARS-CoV-2. <i>Science of the Total Environment</i> , 2021, 755, 142575.	3.9	72
3	Modeling and optimization of heterogeneous Fenton-like and photo-Fenton processes using reusable Fe ₃ O ₄ -MWCNTs. <i>Chemical Engineering Research and Design</i> , 2019, 128, 273-283.	2.7	66
4	Biological hydrogen promotion via integrated fermentation of complex agro-industrial wastes. <i>Applied Energy</i> , 2017, 185, 929-938.	5.1	50
5	Biological H ₂ potential harvested from complex gelatinaceous wastewater via attached versus suspended growth culture anaerobes. <i>Bioresource Technology</i> , 2017, 231, 9-18.	4.8	46
6	Evaluation and optimization of anammox baffled reactor (AnBR) by artificial neural network modeling and economic analysis. <i>Bioresource Technology</i> , 2019, 271, 500-506.	4.8	45
7	Bioethanol production from paperboard mill sludge using acid-catalyzed bio-derived choline acetate ionic liquid pretreatment followed by fermentation process. <i>Energy Conversion and Management</i> , 2017, 145, 255-264.	4.4	40
8	Maximization of hydrogen fermentative process from delignified water hyacinth using sodium chlorite. <i>Energy Conversion and Management</i> , 2018, 157, 257-265.	4.4	39
9	Nutrients balance for hydrogen potential upgrading from fruit and vegetable peels via fermentation process. <i>Journal of Environmental Management</i> , 2019, 242, 384-393.	3.8	35
10	Physico-chemical and microbial characterization of compartment-wise profiles in an anammox baffled reactor. <i>Journal of Environmental Management</i> , 2019, 232, 875-886.	3.8	33
11	Unraveling the capability of graphene nanosheets and ⁵⁶ Fe ₃ O ₄ nanoparticles to stimulate anammox granular sludge. <i>Journal of Environmental Management</i> , 2021, 277, 111495.	3.8	33
12	Potentials of using mixed culture bacteria incorporated with sodium bicarbonate for hydrogen production from water hyacinth. <i>Bioresource Technology</i> , 2018, 263, 365-374.	4.8	30
13	Upgrading continuous H ₂ gas recovery from rice straw hydrolysate via fermentation process amended with magnetite nanoparticles. <i>International Journal of Energy Research</i> , 2019, 43, 3516-3527.	2.2	29
14	Application of magnetic multi-wall carbon nanotube composite into fermentative treatment process of ultrasonicated waste activated sludge. <i>Bioresource Technology</i> , 2020, 306, 123186.	4.8	29
15	Perspectives on Potential Applications of Nanometal Derivatives in Gaseous Bioenergy Pathways: Mechanisms, Life Cycle, and Toxicity. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 9563-9589.	3.2	26
16	Harvesting zero waste from co-digested fruit and vegetable peels via integrated fermentation and pyrolysis processes. <i>Environmental Science and Pollution Research</i> , 2019, 26, 10429-10438.	2.7	25
17	Carbon emissions reduction by catalyzing H ₂ gas harvested from water hyacinth fermentation process using metallic salts. <i>Energy Procedia</i> , 2018, 152, 1254-1259.	1.8	24
18	Strengthen the sustainable farm concept via efficacious conversion of farm wastes into methane. <i>Bioresource Technology</i> , 2021, 341, 125838.	4.8	23

#	ARTICLE	IF	CITATIONS
19	Paperboard mill wastewater treatment via combined dark and LED-mediated fermentation in the absence of external chemical addition. <i>Bioresource Technology</i> , 2020, 295, 122312.	4.8	22
20	Fatigue of anammox consortia under long-term 1,4-dioxane exposure and recovery potential: N-kinetics and microbial dynamics. <i>Journal of Hazardous Materials</i> , 2021, 414, 125533.	6.5	21
21	Response of anammox bacteria to short-term exposure of 1,4-dioxane: Bacterial activity and community dynamics. <i>Separation and Purification Technology</i> , 2021, 266, 118539.	3.9	19
22	Graphene enhanced detoxification of wastewater rich 4-nitrophenol in multistage anaerobic reactor followed by baffled high-rate algal pond. <i>Journal of Hazardous Materials</i> , 2022, 424, 127395.	6.5	17
23	Comparative analysis of common full scale reactors for dry anaerobic digestion process. <i>E3S Web of Conferences</i> , 2019, 83, 01011.	0.2	15
24	Enrich waste activated sludge digestibility via natural enzyme supplementation. <i>E3S Web of Conferences</i> , 2019, 83, 01012.	0.2	7
25	Development of Dry Anaerobic Technologies of Bio-waste and Unlock the Barriers for Valorization. , 2017, , 267-282.		4
26	Unraveling the metabolic shift in anaerobic digestion pathways associated with the alteration of onion skin waste concentration. <i>Environmental Research</i> , 2022, 212, 113494.	3.7	4