Mohamed Elsamadony

List of Publications by Year
in descending order

26	836	361296 20	580701 25
papers	citations	h-index	g-index

26	26	26	732
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Graphene enhanced detoxification of wastewater rich 4-nitrophenol in multistage anaerobic reactor followed by baffled high-rate algal pond. Journal of Hazardous Materials, 2022, 424, 127395.	6.5	17
2	Unraveling the metabolic shift in anaerobic digestion pathways associated with the alteration of onion skin waste concentration. Environmental Research, 2022, 212, 113494.	3.7	4
3	Advances towards understanding long chain fatty acids-induced inhibition and overcoming strategies for efficient anaerobic digestion process. Water Research, 2021, 190, 116732.	5.3	82
4	Possible transmission of viruses from contaminated human feces and sewage: Implications for SARS-CoV-2. Science of the Total Environment, 2021, 755, 142575.	3.9	72
5	Unraveling the capability of graphene nanosheets and Î³-Fe2O3 nanoparticles to stimulate anammox granular sludge. Journal of Environmental Management, 2021, 277, 111495.	3.8	33
6	Response of anammox bacteria to short-term exposure of 1,4-dioxane: Bacterial activity and community dynamics. Separation and Purification Technology, 2021, 266, 118539.	3.9	19
7	Fatigue of anammox consortia under long-term 1,4-dioxane exposure and recovery potential: N-kinetics and microbial dynamics. Journal of Hazardous Materials, 2021, 414, 125533.	6.5	21
8	Perspectives on Potential Applications of Nanometal Derivatives in Gaseous Bioenergy Pathways: Mechanisms, Life Cycle, and Toxicity. ACS Sustainable Chemistry and Engineering, 2021, 9, 9563-9589.	3.2	26
9	Strengthen â€œthe sustainable farmâ€•concept via efficacious conversion of farm wastes into methane. Bioresource Technology, 2021, 341, 125838.	4.8	23
10	Paperboard mill wastewater treatment via combined dark and LED-mediated fermentation in the absence of external chemical addition. Bioresource Technology, 2020, 295, 122312.	4.8	22
11	Application of magnetic multi-wall carbon nanotube composite into fermentative treatment process of ultrasonicated waste activated sludge. Bioresource Technology, 2020, 306, 123186.	4.8	29
12	Physico-chemical and microbial characterization of compartment-wise profiles in an anammox baffled reactor. Journal of Environmental Management, 2019, 232, 875-886.	3.8	33
13	Modeling and optimization of heterogeneous Fenton-like and photo-Fenton processes using reusable Fe3O4-MWCNTs. Chemical Engineering Research and Design, 2019, 128, 273-283.	2.7	66
14	Nutrients balance for hydrogen potential upgrading from fruit and vegetable peels via fermentation process. Journal of Environmental Management, 2019, 242, 384-393.	3.8	35
15	Upgrading continuous H₂gas recovery from rice straw hydrolysate via fermentation process amended with magnetite nanoparticles. International Journal of Energy Research, 2019, 43, 3516-3527.	2.2	29
16	Enrich waste activated sludge digestibility via natural enzyme supplementation. E3S Web of Conferences, 2019, 83, 01012.	0.2	7
17	Comparative analysis of common full scale reactors for dry anaerobic digestion process. E3S Web of Conferences, 2019, 83, 01011.	0.2	15
18	Harvesting zero waste from co-digested fruit and vegetable peels via integrated fermentation and pyrolysis processes. Environmental Science and Pollution Research, 2019, 26, 10429-10438.	2.7	25

#	Article	IF	Citations
19	Evaluation and optimization of anammox baffled reactor (AnBR) by artificial neural network modeling and economic analysis. Bioresource Technology, 2019, 271, 500-506.	4.8	45
20	Maximization of hydrogen fermentative process from delignified water hyacinth using sodium chlorite. Energy Conversion and Management, 2018, 157, 257-265.	4.4	39
21	Carbon emissions reduction by catalyzing H2 gas harvested from water hyacinth fermentation process using metallic salts. Energy Procedia, 2018, 152, 1254-1259.	1.8	24
22	Potentials of using mixed culture bacteria incorporated with sodium bicarbonate for hydrogen production from water hyacinth. Bioresource Technology, 2018, 263, 365-374.	4.8	30
23	Biological H 2 potential harvested from complex gelatinaceous wastewater via attached versus suspended growth culture anaerobes. Bioresource Technology, 2017, 231, 9-18.	4.8	46
24	Bioethanol production from paperboard mill sludge using acid-catalyzed bio-derived choline acetate ionic liquid pretreatment followed by fermentation process. Energy Conversion and Management, 2017, 145, 255-264.	4.4	40
25	Biological hydrogen promotion via integrated fermentation of complex agro-industrial wastes. Applied Energy, 2017, 185, 929-938.	5.1	50
26	Development of Dry Anaerobic Technologies of Bio-waste and Unlock the Barriers for Valorization. , 2017, , 267-282.		4