

Joseph Akunna

List of Publications by Year in descending order

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31
papers

1,621
citations

430874

18
h-index

501196

28
g-index

31
all docs

31
docs citations

31
times ranked

1944
citing authors

#	ARTICLE	IF	CITATIONS
1	Nitrate and nitrite reductions with anaerobic sludge using various carbon sources: Glucose, glycerol, acetic acid, lactic acid and methanol. <i>Water Research</i> , 1993, 27, 1303-1312.	11.3	247
2	Combined anaerobic- aerobic SBR for the treatment of piggery wastewater. <i>Water Research</i> , 2000, 34, 611-619.	11.3	164
3	Denitrification in anaerobic digesters: Possibilities and influence of wastewater COD/N _o X ratio. <i>Environmental Technology (United Kingdom)</i> , 1992, 13, 825-836.	2.2	123
4	Surface and groundwater water quality assessment using multivariate analytical methods: A case study of the Western Niger Delta, Nigeria. <i>Physics and Chemistry of the Earth</i> , 2008, 33, 666-673.	2.9	120
5	Investigating the effects of anaerobic and aerobic post-treatment on quality and stability of organic fraction of municipal solid waste as soil amendment. <i>Bioresource Technology</i> , 2008, 99, 8631-8636.	9.6	110
6	Investigating the removal of some pharmaceutical compounds in hospital wastewater treatment plants operating in Saudi Arabia. <i>Environmental Science and Pollution Research</i> , 2016, 23, 13003-13014.	5.3	110
7	Performance of a granular-bed anaerobic baffled reactor (GRABBR) treating whisky distillery wastewater. <i>Bioresource Technology</i> , 2000, 74, 257-261.	9.6	96
8	Nitrate reduction by anaerobic sludge using glucose at various nitrate concentrations: Ammonification, denitrification and methanogenic activities. <i>Environmental Technology (United Kingdom)</i> , 2000, 21, 1007-1014.	9.6	90
9	Structural analysis of anaerobic granules in a phase separated reactor by electron microscopy. <i>Bioresource Technology</i> , 2008, 99, 922-929.	9.6	69
10	The impact and mode of action of phenolic compounds extracted from brown seaweed on mixed anaerobic microbial cultures. <i>Journal of Applied Microbiology</i> , 2013, 114, 964-973.	3.1	60
11	The performance of a phase separated granular bed bioreactor treating brewery wastewater. <i>Bioresource Technology</i> , 2007, 98, 1849-1855.	9.6	57
12	Treatment of metal-contaminated wastewater: A comparison of low-cost biosorbents. <i>Journal of Environmental Management</i> , 2014, 146, 517-523.	7.8	45
13	Combined organic carbon and complete nitrogen removal using anaerobic and aerobic upflow filters. <i>Water Science and Technology</i> , 1994, 30, 297-306.	2.5	44
14	Mangrove vulnerability modelling in parts of Western Niger Delta, Nigeria using satellite images, GIS techniques and Spatial Multi-Criteria Analysis (SMCA). <i>Environmental Monitoring and Assessment</i> , 2011, 178, 39-51.	2.7	43
15	Performance of family-size sequencing batch reactor and rotating biological contactor units treating sewage at various operating conditions. <i>Water Science and Technology</i> , 2000, 41, 97-104.	2.5	40
16	Anaerobic digestion of distillery spent wash: Influence of enzymatic pre-treatment of intact yeast cells. <i>Bioresource Technology</i> , 2010, 101, 1681-1685.	9.6	33
17	Bioethanol in Nigeria: comparative analysis of sugarcane and sweet sorghum as feedstock sources. <i>Energy and Environmental Science</i> , 2010, 3, 1447.	30.8	28
18	Modelling start-up performance of anaerobic digestion of saline-rich macro-algae. <i>Water Science and Technology</i> , 2014, 69, 2059-2065.	2.5	21

#	ARTICLE	IF	CITATIONS
19	Investigating the impact of inoculum source on anaerobic digestion of various species of marine macroalgae. <i>Algal Research</i> , 2020, 46, 101803.	4.6	17
20	Improvement in the efficiency of hydrolysis of anaerobic digestion in sewage sludge by the use of enzymes. <i>Desalination and Water Treatment</i> , 2010, 21, 280-285.	1.0	16
21	Hydrolytic effects of acid and enzymatic pre-treatment on the anaerobic biodegradability of <i>Ascophyllum nodosum</i> and <i>Laminaria digitata</i> species of brown seaweed. <i>Biomass and Bioenergy</i> , 2015, 80, 140-146.	5.7	15
22	Co-digestion of terrestrial plant biomass with marine macro-algae for biogas production. <i>Biomass and Bioenergy</i> , 2016, 93, 137-143.	5.7	15
23	Anaerobic digestion of municipal solid wastes containing variable proportions of waste types. <i>Water Science and Technology</i> , 2007, 56, 143-149.	2.5	14
24	Modelling head losses in granular bed anaerobic baffled reactors at high flows during start-up. <i>Water Research</i> , 2010, 44, 5474-5480.	11.3	14
25	Effect of liquid nitrogen pre-treatment on various types of wool waste fibres for biogas production. <i>Heliyon</i> , 2018, 4, e00619.	3.2	14
26	Cow urine as a source of nutrients for Microbial-Induced Calcite Precipitation in sandy soil. <i>Journal of Environmental Management</i> , 2022, 304, 114307.	7.8	12
27	Anaerobic treatment of brewery wastes. , 2015, , 407-424.		9
28	Dissolution experiments on dolerite quarry fines at low liquid-to-solid ratio: a source of calcium for MICP. <i>Environmental Geotechnics</i> , 0, , 1-9.	2.3	9
29	Road deposited sediment: implications for the performance of filter drains servicing strategic trunk roads. <i>Water Science and Technology</i> , 2019, 80, 747-761.	2.5	3
30	Assessment of leachable and persistent dissolved organic carbon in sludges and biosolids from municipal wastewater treatment plants. <i>Journal of Environmental Management</i> , 2022, 307, 114565.	7.8	3
31	Estimating Methane Production Potential of an Old Municipal Landfill. <i>Journal of Solid Waste Technology and Management</i> , 2009, 35, 156-161.	0.2	0