

Mohammed J K Bashir

List of Publications by Year in descending order

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126
papers

4,416
citations

109311

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docs citations

128
times ranked

4164
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation of oil palm fiber biochar and activated biochar for sulphur dioxide adsorption. <i>Science of the Total Environment</i> , 2022, 805, 150421.	8.0	25
2	Appraisal of groundwater contamination from surface spills of fluids associated with hydraulic fracturing operations. <i>Science of the Total Environment</i> , 2022, 815, 152949.	8.0	6
3	Influence of alum sludge ash and ground granulated blast furnace slag on properties of cement mortar. <i>Cleaner Engineering and Technology</i> , 2022, 6, 100376.	4.0	3
4	Application of Natural Coagulants for Pharmaceutical Removal from Water and Wastewater: A Review. <i>Water (Switzerland)</i> , 2022, 14, 140.	2.7	44
5	Wastewater Treatment: Current and Future Techniques. <i>Water (Switzerland)</i> , 2022, 14, 448.	2.7	16
6	Food Waste Management Practice in Malaysia and Its Potential Contribution to the Circular Economy. , 2022, , 365-391.		1
7	Anaerobic treatment of ultrasound pretreated palm oil mill effluent (POME): microbial diversity and enhancement of biogas production. <i>Environmental Science and Pollution Research</i> , 2022, 29, 44779-44793.	5.3	6
8	Sustainable energy, economic, and environmental impacts of small-scale wind turbines: A comprehensive study. <i>International Journal of Energy Research</i> , 2022, 46, 10808-10821.	4.5	3
9	The Impact of Climate Change and Soil Classification on Benzene Concentration in Groundwater Due to Surface Spills of Hydraulic Fracturing Fluids. <i>Water (Switzerland)</i> , 2022, 14, 1202.	2.7	0
10	Advanced Treatment of Palm Oil Mill Effluent Using Thermally Activated Persulfate Oxidation. <i>Separations</i> , 2022, 9, 171.	2.4	2
11	Ancillary palm oil fuel ash (POFA) in sequencing batch reactor for enhancing recalcitrant pollutants removal from domestic wastewater. <i>Chemosphere</i> , 2021, 265, 129050.	8.2	3
12	The key role of sustainable renewable energy technologies in facing shortage of energy supplies in Palestine: Current practice and future potential. <i>Journal of Cleaner Production</i> , 2021, 293, 125348.	9.3	36
13	Food Waste Management Practice in Malaysia and Its Potential Contribution to the Circular Economy. , 2021, , 1-28.		0
14	Black Soldier Fly Larval Valorization Benefitting from Ex-Situ Fungal Fermentation in Reducing Coconut Endosperm Waste. <i>Processes</i> , 2021, 9, 275.	2.8	10
15	Overview on the current practices and future potential of bioenergy use in Palestine. <i>Biofuels, Bioproducts and Biorefining</i> , 2021, 15, 1095-1109.	3.7	10
16	Sustainable production of concrete with treated alum sludge. <i>Construction and Building Materials</i> , 2021, 282, 122703.	7.2	9
17	Treatment of Tropical stabilized landfill leachate by Adsorption using Powdered Activated Carbon: Isothermal and Kinetic Studies. <i>IOP Conference Series: Earth and Environmental Science</i> , 2021, 799, 012032.	0.3	0
18	Insight into two-dimensional MXenes for environmental applications: Recent progress, challenges, and prospects. <i>FlatChem</i> , 2021, 28, 100256.	5.6	35

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19	Biogas and biofertilizer production from organic fraction municipal solid waste for sustainable circular economy and environmental protection in Malaysia. <i>Science of the Total Environment</i> , 2021, 776, 145961.	8.0	38
20	Development of a novel polyvinylidene fluoride membrane integrated with palm oil fuel ash for stabilized landfill leachate treatment. <i>Journal of Cleaner Production</i> , 2021, 311, 127677.	9.3	4
21	A New Polyvinylidene Fluoride Membrane Synthesized by Integrating of Powdered Activated Carbon for Treatment of Stabilized Leachate. <i>Water (Switzerland)</i> , 2021, 13, 2282.	2.7	7
22	Recent Advances of Nanoremediation Technologies for Soil and Groundwater Remediation: A Review. <i>Water (Switzerland)</i> , 2021, 13, 2186.	2.7	52
23	Chemical investigation and process optimization of glycerine pitch in the green production of roofing tiles. <i>Journal of Building Engineering</i> , 2021, 43, 102869.	3.4	5
24	Assuaging Microalgal Harvesting Woes via Attached Growth: A Critical Review to Produce Sustainable Microalgal Feedstock. <i>Sustainability</i> , 2021, 13, 11159.	3.2	15
25	Removal of phosphate from wastewater using coal slag. <i>International Journal of Environmental Analytical Chemistry</i> , 2020, , 1-11.	3.3	11
26	Removal of Polycyclic Aromatic Hydrocarbons (PAHs) from Produced Water by Ferrate (VI) Oxidation. <i>Water (Switzerland)</i> , 2020, 12, 3132.	2.7	21
27	Insight on Extraction and Characterisation of Biopolymers as the Green Coagulants for Microalgae Harvesting. <i>Water (Switzerland)</i> , 2020, 12, 1388.	2.7	35
28	Blended waste oil as alternative binder for the production of environmental friendly roofing tiles. <i>Journal of Cleaner Production</i> , 2020, 258, 120937.	9.3	8
29	Colour and COD removal from mature landfill leachate using electro-persulphate oxidation process. <i>Materials Today: Proceedings</i> , 2020, 31, 69-74.	1.8	14
30	A review of anaerobic membrane bioreactors (AnMBR) for the treatment of highly contaminated landfill leachate and biogas production: Effectiveness, limitations and future perspectives. <i>Journal of Cleaner Production</i> , 2020, 255, 120215.	9.3	142
31	Adsorption of SO ₂ and H ₂ S by sonicated raw eggshell. <i>Materials Today: Proceedings</i> , 2020, 31, 36-42.	1.8	1
32	Valorization of exo-microbial fermented coconut endosperm waste by black soldier fly larvae for simultaneous biodiesel and protein productions. <i>Environmental Research</i> , 2020, 185, 109458.	7.5	50
33	Improved anaerobic digestion of palm oil mill effluent and biogas production by ultrasonication pretreatment. <i>Science of the Total Environment</i> , 2020, 722, 137833.	8.0	43
34	Biodiesel fuel production from brown grease produced by wastewater treatment plant: Optimization of acid catalyzed reaction conditions. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 103848.	6.7	20
35	Appraisal of student's awareness and practices on waste management and recycling in the Malaysian University's student hostel area. <i>Journal of Material Cycles and Waste Management</i> , 2020, 22, 916-927.	3.0	22
36	The performance of Zn ²⁺ oxidation system in landfill leachate treatment. <i>Physics and Chemistry of the Earth</i> , 2020, 120, 102944.	2.9	8

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37	An Overview of Per- and Polyfluoroalkyl Substances (PFAS) in the Environment: Source, Fate, Risk and Regulations. <i>Water (Switzerland)</i> , 2020, 12, 3590.	2.7	91
38	Waste Management Practice in Malaysia and Future Challenges. <i>Advances in Environmental Engineering and Green Technologies Book Series</i> , 2020, , 531-549.	0.4	1
39	Physical Treatment Technologies for Landfill Leachate. , 2020, , 717-753.		0
40	Optimization of activated palm oil sludge biochar preparation for sulphur dioxide adsorption. <i>Journal of Environmental Management</i> , 2019, 248, 109302.	7.8	32
41	The short- and long-term inhibitory effects of Fe (II) on anaerobic ammonium oxidizing (anammox) process. <i>Water Science and Technology</i> , 2019, 79, 1860-1867.	2.5	17
42	Sustainable Waste-to-Energy Development in Malaysia: Appraisal of Environmental, Financial, and Public Issues Related with Energy Recovery from Municipal Solid Waste. <i>Processes</i> , 2019, 7, 676.	2.8	74
43	Effect of hydraulic retention time on volatile fatty acid production and organic degradation in anaerobic digestion of palm oil mill effluent. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	4
44	Hydrogen sulfide removal using diatomite. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	1
45	Performance of anaerobic membrane bioreactors (AnMBRs) with different concentration of powdered activated carbon (PAC) at mesophilic regime in membrane fouling control. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	0
46	Adsorptive Removal of Iron Using SiO ₂ Nanoparticles Extracted from Rice Husk Ash. <i>Journal of Analytical Methods in Chemistry</i> , 2019, 2019, 1-8.	1.6	20
47	Immobilization of Protein A on Monodisperse Magnetic Nanoparticles for Biomedical Applications. <i>Journal of Nanomaterials</i> , 2019, 2019, 1-9.	2.7	20
48	Adsorptive behaviour of palm oil mill sludge biochar pyrolyzed at low temperature for copper and cadmium removal. <i>Journal of Environmental Management</i> , 2019, 237, 281-288.	7.8	57
49	Adsorptive treatment of stabilized landfill leachate using activated palm oil fuel ash (POFA). <i>AIP Conference Proceedings</i> , 2019, , .	0.4	8
50	Enhancement of renewable electrical energy recovery from palm oil mill effluent by microbial fuel cell with activated carbon. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2019, 41, 2662-2674.	2.3	11
51	Post treatment of palm oil mill effluent using electro-coagulation-peroxidation (ECP) technique. <i>Journal of Cleaner Production</i> , 2019, 208, 716-727.	9.3	68
52	Advanced Oxidation Processes for Water and Wastewater Treatment. <i>Advances in Environmental Engineering and Green Technologies Book Series</i> , 2019, , 46-69.	0.4	3
53	Applicability of anaerobic membrane bioreactors for landfill leachate treatment: Review and opportunity. <i>IOP Conference Series: Earth and Environmental Science</i> , 2018, 140, 012033.	0.3	12
54	Disintegration of palm oil mill effluent organic solids by ultrasonication: Optimization by response surface methodology. <i>Chemical Engineering Research and Design</i> , 2018, 114, 123-132.	5.6	34

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55	Optimization of palm oil mill sludge biochar preparation for sulfur dioxide removal. <i>Environmental Science and Pollution Research</i> , 2018, 25, 25702-25714.	5.3	19
56	Modeling and comparative assessment of bubbling fluidized bed gasification system for syngas production – a gateway for a cleaner future in Pakistan. <i>Environmental Technology (United Kingdom)</i> , 2018, 39, 1841-1850.	2.2	11
57	Bioregeneration of spent activated carbon: Review of key factors and recent mathematical models of kinetics. <i>Chinese Journal of Chemical Engineering</i> , 2018, 26, 893-902.	3.5	15
58	A sequential treatment of intermediate tropical landfill leachate using a sequencing batch reactor (SBR) and coagulation. <i>Journal of Environmental Management</i> , 2018, 205, 244-252.	7.8	77
59	Potential of protein and lipid productions from black soldier fly larvae fed with mixture of waste coconut endosperm and soybean curd residue. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	5
60	Shielding immobilized biomass cryogel beads with powdered activated carbon for the simultaneous adsorption and biodegradation of 4-chlorophenol. <i>Journal of Cleaner Production</i> , 2018, 205, 828-835.	9.3	31
61	Development of Hybrid Polymeric Polyethersulfone (PES) Membrane Incorporated with Powdered Activated Carbon (PAC) for Palm Oil Mill Effluent (POME) Treatment. <i>International Journal of Integrated Engineering</i> , 2018, 10, .	0.4	7
62	Public concerns and behaviors towards solid waste minimization using composting in Kampar district, Malaysia. <i>Global Nest Journal</i> , 2018, 20, 316-323.	0.1	13
63	Effect of Temperature on Anaerobic Treatment of Ultrasonicated and Unsonicated Palm Oil Mill Effluent. <i>Advanced Science Letters</i> , 2018, 24, 8706-8709.	0.2	0
64	Effect of process variables interaction on simultaneous adsorption of phenol and 4-chlorophenol: statistical modeling and optimization using RSM. <i>Applied Water Science</i> , 2017, 7, 2009-2020.	5.6	30
65	Electro persulphate oxidation for polishing of biologically treated palm oil mill effluent (POME). <i>Journal of Environmental Management</i> , 2017, 193, 458-469.	7.8	33
66	Optimization of self-fermented period of waste coconut endosperm destined to feed black soldier fly larvae in enhancing the lipid and protein yields. <i>Renewable Energy</i> , 2017, 111, 646-654.	8.9	67
67	Preparation of Palm Oil Mill Effluent Sludge Biochar for the Treatment of Landfill Leachate. <i>MATEC Web of Conferences</i> , 2017, 103, 06008.	0.2	7
68	Investigation on the performance of hybrid anaerobic membrane bioreactors for fouling control and biogas production in palm oil mill effluent treatment. <i>Water Science and Technology</i> , 2017, 76, 1389-1398.	2.5	17
69	Treatment of palm oil mill effluent using combination system of microbial fuel cell and anaerobic membrane bioreactor. <i>Bioresource Technology</i> , 2017, 245, 916-924.	9.6	44
70	Central Composite Design (CCD) applied for statistical optimization of glucose and sucrose binary carbon mixture in enhancing the denitrification process. <i>Applied Water Science</i> , 2017, 7, 3719-3727.	5.6	10
71	Sequential treatment for landfill leachate by applying coagulation-adsorption process. <i>Geosystem Engineering</i> , 2017, 20, 9-20.	1.4	20
72	Modifications of sugarcane bagasse-derived adsorbents to enhance the adsorption of microalgae biomass in easing harvesting process. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	0

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73	Mechanistic Characteristics of Surface Modified Organic Semiconductor g-C ₃ N ₄ Nanotubes Alloyed with Titania. <i>Materials</i> , 2017, 10, 28.	2.9	29
74	Simultaneous removal of COD and color from municipal landfill leachate using Ozone/Zinc Sulphate oxidation process. <i>Global Nest Journal</i> , 2017, 19, 498-504.	0.1	22
75	Trend of municipal landfill leachate treatment via a combination of ozone with various physico-chemical techniques. <i>International Journal of Environmental Engineering</i> , 2016, 8, 95.	0.1	3
76	Post-treatment of palm oil mill effluent (POME) using combined persulphate with hydrogen peroxide (S ₂ O ₈ ²⁻ /H ₂ O ₂) oxidation. <i>Water Science and Technology</i> , 2016, 74, 2675-2682.	2.5	23
77	Spent coffee grounds-based activated carbon preparation for sequestering of malachite green. <i>AIP Conference Proceedings</i> , 2016, . .	0.4	3
78	Feasibility of CO ₂ adsorption by solid adsorbents: a review on low-temperature systems. <i>International Journal of Environmental Science and Technology</i> , 2016, 13, 1839-1860.	3.5	171
79	Optimization of preparation conditions of sugarcane bagasse activated carbon via microwave-induced KOH activation for stabilized landfill leachate remediation. <i>Environmental Earth Sciences</i> , 2016, 75, 1.	2.7	18
80	Simultaneous Removal of Organic and Inorganic Pollutants From Landfill Leachate Using Sea Mango Derived Activated Carbon via Microwave Induced Activation. <i>International Journal of Chemical Reactor Engineering</i> , 2016, 14, 991-1001.	1.1	13
81	Reassessment of adsorption–reduction mechanism of hexavalent chromium in attaining practicable mechanistic kinetic model. <i>Chemical Engineering Research and Design</i> , 2016, 102, 98-105.	5.6	9
82	Enhancement of Membrane Fouling Control in Hybrid Aerobic Membrane Bioreactor System for Domestic Waste Water Application: Effect of Alum Concentration. <i>Procedia Engineering</i> , 2016, 148, 726-734.	1.2	5
83	Recent Advancements, Fundamental Challenges, and Opportunities in Catalytic Methanation of CO ₂ . <i>Energy & Fuels</i> , 2016, 30, 8815-8831.	5.1	315
84	Bioelectrochemical system for landfill leachate treatment – challenges, opportunities, and recommendations. <i>Geosystem Engineering</i> , 2016, 19, 337-345.	1.4	7
85	Polishing of treated palm oil mill effluent (POME) from ponding system by electrocoagulation process. <i>Water Science and Technology</i> , 2016, 73, 2704-2712.	2.5	38
86	System analysis for synthesis gas (syngas) production in Pakistan from municipal solid waste gasification using a circulating fluidized bed gasifier. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 60, 1302-1311.	16.4	69
87	An insight into the remediation of highly contaminated landfill leachate using sea mango based activated bio-char: optimization, isothermal and kinetic studies. <i>Desalination and Water Treatment</i> , 2016, 57, 22244-22257.	1.0	45
88	Membrane bioreactor performance improvement by adding adsorbent and coagulant: a comparative study. <i>Desalination and Water Treatment</i> , 2016, 57, 13433-13439.	1.0	7
89	Anaerobic stabilized landfill leachate treatment using chemically activated sugarcane bagasse activated carbon: kinetic and equilibrium study. <i>Desalination and Water Treatment</i> , 2016, 57, 3916-3927.	1.0	40
90	Trend of municipal landfill leachate treatment via a combination of ozone with various physico-chemical techniques. <i>International Journal of Environmental Engineering</i> , 2016, 8, 95.	0.1	1

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91	Application of CCD in RSM to obtain optimize treatment of POME using Fenton oxidation process. Journal of Water Process Engineering, 2015, 8, e7-e16.	5.6	78
92	Solar radiation based benefit and cost evaluation for solar water heater expansion in Malaysia. Renewable and Sustainable Energy Reviews, 2015, 48, 328-335.	16.4	24
93	Biomass-based palm shell activated carbon and palm shell carbon molecular sieve as gas separation adsorbents. Waste Management and Research, 2015, 33, 303-312.	3.9	28
94	The competency of various applied strategies in treating tropical municipal landfill leachate. Desalination and Water Treatment, 2015, 54, 2382-2395.	1.0	45
95	An overview of heavily polluted landfill leachate treatment using food waste as an alternative and renewable source of activated carbon. Chemical Engineering Research and Design, 2015, 98, 309-318.	5.6	86
96	Stabilized landfill leachate treatment by sugarcane bagasse derived activated carbon for removal of color, COD and NH ₃ -N Optimization of preparation conditions by RSM. Journal of Environmental Chemical Engineering, 2015, 3, 1287-1294.	6.7	79
97	Application of response surface methodology (RSM) for optimization of semi-aerobic landfill leachate treatment using ozone. Applied Water Science, 2014, 4, 231-239.	5.6	42
98	Chapter 13: GROUNDWATER CONTAMINATION AT LANDFILL SITE. , 2014, , 781-817.		2
99	Performance of Ozone Reactor in Treating Stabilized Landfill Leachate: Efficiencies and Limitations. International Journal of Scientific Research in Knowledge, 2014, 2, 362-369.	0.1	1
100	Study on the adequacy of landfill cover at muassim landfill, makkah, Saudi Arabia. Environmental Progress and Sustainable Energy, 2013, 32, 569-575.	2.3	1
101	Pretreatment of stabilized leachate using ozone/persulfate oxidation process. Chemical Engineering Journal, 2013, 221, 492-499.	12.7	124
102	Optimization of semi-aerobic stabilized leachate treatment using ozone/Fenton's reagent in the advanced oxidation process. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2013, 48, 720-729.	1.7	17
103	Comparative removal of suspended solids from landfill leachate by Hibiscus rosa-sinensis leaf extract and alum. Desalination and Water Treatment, 2013, 51, 2005-2013.	1.0	7
104	Optimization of membrane bioreactors by the addition of powdered activated carbon. Bioresource Technology, 2013, 138, 38-47.	9.6	56
105	An overview of electro-oxidation processes performance in stabilized landfill leachate treatment. Desalination and Water Treatment, 2013, 51, 2170-2184.	1.0	55
106	REDUCING AMMONIA, CHEMICAL OXYGEN DEMAND AND COLOR FROM PRAWN POND WASTEWATER USING COMPOSITE MEDIA. Environmental Engineering and Management Journal, 2013, 12, 2211-2217.	0.6	0
107	Semi-Aerobic Landfill Leachate Treatment Using Carbon Minerals Composite Adsorbent. Environmental Engineering Science, 2012, 29, 306-312.	1.6	36
108	Color and Chemical Oxygen Demand Removal from Mature Semi-Aerobic Landfill Leachate Using Anion-Exchange Resin: An Equilibrium and Kinetic Study. Environmental Engineering Science, 2012, 29, 297-305.	1.6	20

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109	New sequential treatment for mature landfill leachate by cationic/anionic and anionic/cationic processes: Optimization and comparative study. <i>Journal of Hazardous Materials</i> , 2011, 186, 92-102.	12.4	49
110	Landfill leachate treatment using powdered activated carbon augmented sequencing batch reactor (SBR) process: Optimization by response surface methodology. <i>Journal of Hazardous Materials</i> , 2011, 189, 404-413.	12.4	154
111	Application of psyllium husk as coagulant and coagulant aid in semi-aerobic landfill leachate treatment. <i>Journal of Hazardous Materials</i> , 2011, 190, 582-587.	12.4	107
112	Appraisal of domestic solid waste generation, components, and the feasibility of recycling in Erbil, Iraq. <i>Waste Management and Research</i> , 2011, 29, 880-887.	3.9	26
113	Multiple responses analysis and modeling of Fenton process for treatment of high strength landfill leachate. <i>Water Science and Technology</i> , 2011, 64, 1652-1660.	2.5	24
114	Leachate characterization in semi-aerobic and anaerobic sanitary landfills: A comparative study. <i>Journal of Environmental Management</i> , 2010, 91, 2608-2614.	7.8	216
115	Stabilized sanitary landfill leachate treatment using anionic resin: Treatment optimization by response surface methodology. <i>Journal of Hazardous Materials</i> , 2010, 182, 115-122.	12.4	66
116	Application of response surface methodology (RSM) for optimization of ammoniacal nitrogen removal from semi-aerobic landfill leachate using ion exchange resin. <i>Desalination</i> , 2010, 254, 154-161.	8.2	265
117	The use of poly-aluminum chloride and alum for the treatment of partially stabilized leachate: A comparative study. <i>Desalination</i> , 2010, 257, 110-116.	8.2	79
118	The Effectiveness of Silica Sand in Semi-Aerobic Stabilized Landfill Leachate Treatment. <i>Water (Switzerland)</i> , 2010, 2, 904-915.	2.7	22
119	Influence of Fenton reagent oxidation on mineralization and decolorization of municipal landfill leachate. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2010, 45, 692-698.	1.7	66
120	Effects of ion exchange resins in different mobile ion forms on semi-aerobic landfill leachate treatment. <i>Water Science and Technology</i> , 2010, 61, 641-649.	2.5	25
121	Application of the central composite design for condition optimization for semi-aerobic landfill leachate treatment using electrochemical oxidation. <i>Water Science and Technology</i> , 2010, 61, 1257-1266.	2.5	36
122	Landfill leachate treatment by electrochemical oxidation. <i>Waste Management</i> , 2009, 29, 2534-2541.	7.4	180
123	Physical Treatment Technologies for Landfill Leachate. <i>Advances in Environmental Engineering and Green Technologies Book Series</i> , 0, , 250-285.	0.4	1
124	Low frequency ultrasound treatment of palm oil mill effluent for solubilization of organic matter. , 0, 108, 164-170.		7
125	Treatment of tropical stabilized landfill leachate using palm oil fuel ash: isothermal and kinetic studies. , 0, 144, 201-210.		9
126	Performance of hybrid anaerobic membrane bioreactors (AnMBRs) augmented with activated carbon in treating palm oil mill effluent (POME). , 0, 201, 78-85.		1