M R Salim

List of Publications by Citations

66 papers	3,628 citations	29 h-index	60 g-index
72 ext. papers	4,132 ext. citations	5.3 avg, IF	5.45 L-index

#	Paper	IF	Citations
66	A review of the effects of emerging contaminants in wastewater and options for their removal. *Desalination*, **2009**, 239, 229-246	10.3	835
65	Behaviours of natural organic matter in membrane filtration for surface water treatment a review. *Desalination*, **2006**, 194, 211-231	10.3	486
64	Investigation of coal bottom ash and fly ash in concrete as replacement for sand and cement. *Construction and Building Materials*, **2016**, 116, 15-24	6.7	214
63	A Review of Silver Nanoparticles: Research Trends, Global Consumption, Synthesis, Properties, and Future Challenges. *Journal of the Chinese Chemical Society*, **2017**, 64, 732-756	1.5	179
62	The effects of natural organic matter (NOM) fractions on fouling characteristics and flux recovery of ultrafiltration membranes. *Desalination*, **2007**, 212, 191-208	10.3	147
61	Laccase immobilization on cellulose nanofiber: The catalytic efficiency and recyclic application for simulated dye effluent treatment. *Journal of Molecular Catalysis B: Enzymatic*, **2014**, 100, 111-120		119
60	Development of granular sludge for textile wastewater treatment. *Water Research*, **2010**, 44, 4341-50	12.5	98
59	Fabrication, fouling and foulant analyses of asymmetric polysulfone (PSF) ultrafiltration membrane fouled with natural organic matter (NOM) source waters. *Journal of Membrane Science*, **2007**, 299, 97-113	9.6	95
58	On blended cement and geopolymer concretes containing palm oil fuel ash. *Materials and Design*, **2016**, 89, 385-398	8.1	91
57	Silver Nanoparticles in the Water Environment in Malaysia: Inspection, characterization, removal, modeling, and future perspective. *Scientific Reports*, **2018**, 8, 986	4.9	82
56	Development and characterization of novel charged surface modification macromolecule to polyethersulfone hollow fiber membrane with polyvinylpyrrolidone and water. *Journal of Membrane Science*, **2009**, 331, 40-49	9.6	75
55	Application of coagulation ultrafiltration hybrid process for drinking water treatment: Optimization of operating conditions using experimental design. *Separation and Purification Technology*, **2009**, 65, 193-210	8.3	74
54	The influenced of PAC, zeolite, and Moringa oleifera as biofouling reducer (BFR) on hybrid membrane bioreactor of palm oil mill effluent (POME). *Bioresource Technology*, **2011**, 102, 4341-6	11	73
53	A review on bisphenol A occurrences, health effects and treatment process via membrane technology for drinking water. *Environmental Science and Pollution Research*, **2016**, 23, 11549-67	5.1	72
52	The effect of hydraulic retention time on granular sludge biomass in treating textile wastewater. *Water Research*, **2011**, 45, 4711-21	12.5	72
51	Negatively charged polyethersulfone hollow fiber nanofiltration membrane for the removal of bisphenol A from wastewater. *Separation and Purification Technology*, **2010**, 73, 92-99	8.3	53
50	Production of liquid biofuels (biodiesel and bioethanol) from brown marine macroalgae Padina tetrastromatica. *Energy Conversion and Management*, **2017**, 135, 351-361	10.6	50

49	Properties of sustainable lightweight pervious concrete containing oil palm kernel shell as coarse aggregate. *Construction and Building Materials*, **2016**, 126, 1054-1065	6.7	50
48	Institutionalize waste minimization governance towards campus sustainability: A case study of Green Office initiatives in Universiti Teknologi Malaysia. *Journal of Cleaner Production*, **2016**, 135, 1407-1422	10.3	46
47	Preparation and characterization of PES/SiO2 composite ultrafiltration membrane for advanced water treatment. *Korean Journal of Chemical Engineering*, **2015**, 32, 2319-2329	2.8	40
46	Sustainable clean pervious concrete pavement production incorporating palm oil fuel ash as cement replacement. *Journal of Cleaner Production*, **2018**, 172, 1476-1485	10.3	38
45	Toxicity characteristics and durability of concrete containing coal ash as substitute for cement and river sand. *Construction and Building Materials*, **2017**, 143, 234-246	6.7	35
44	Identification of naphthalene metabolism by white rot fungus Pleurotus eryngii. *Bioprocess and Biosystems Engineering*, **2013**, 36, 1455-61	3.7	35
43	Breakdown Products in the Metabolic Pathway of Anthracene Degradation by a Ligninolytic Fungus Polyporus sp. S133. *Water, Air, and Soil Pollution*, **2012**, 223, 2201-2208	2.6	33
42	Influence of palm oil mill effluent as inoculum on anaerobic digestion of cattle manure for biogas production. *Bioresource Technology*, **2013**, 141, 174-6	11	33
41	Surface modification of SiO2 nanoparticles and its impact on the properties of PES-based hollow fiber membrane. *RSC Advances*, **2015**, 5, 58644-58654	3.7	31
40	Performance of integrated anaerobic/aerobic sequencing batch reactor treating poultry slaughterhouse wastewater. *Chemical Engineering Journal*, **2017**, 313, 967-974	14.7	31
39	Intracellular biopolymer productions using mixed microbial cultures from fermented POME. *Water Science and Technology*, **2007**, 56, 179-85	2.2	31
38	Properties of quiet pervious concrete containing oil palm kernel shell and cockleshell. *Applied Acoustics*, **2017**, 122, 113-120	3.1	29
37	Respirometric analysis of activated sludge models from palm oil mill effluent. *Bioresource Technology*, **2010**, 101, 144-9	11	27
36	A purely green synthesis of silver nanoparticles using Carica papaya, Manihot esculenta, and Morinda citrifolia: synthesis and antibacterial evaluations. *Bioprocess and Biosystems Engineering*, **2017**, 40, 1349-1361	3.7	26
35	Response Surface Methodology for Modeling Bisphenol A Removal Using Ultrafiltration Membrane System. *Water, Air, and Soil Pollution*, **2018**, 229, 1	2.6	26
34	Comparing the effects of oil palm kernel shell and cockle shell on properties of pervious concrete pavement. *International Journal of Pavement Research and Technology*, **2017**, 10, 383-392	2	26
33	Degradation and transformation of anthracene by white-rot fungus Armillaria sp. F022. *Folia Microbiologica*, **2013**, 58, 385-91	2.8	25
32	The effect of mixed liquor suspended solids (MLSS) on biofouling in a hybrid membrane bioreactor for the treatment of high concentration organic wastewater. *Water Science and Technology*, **2011**, 63, 1701-6	2.2	23

31	Laccase mediated diclofenac transformation and cytotoxicity assessment on mouse fibroblast 3T3-L1 preadipocytes. *RSC Advances*, **2014**, 4, 11689	3.7	21
30	Characteristics of developed granules containing phototrophic aerobic bacteria for minimizing carbon dioxide emission. *International Biodeterioration and Biodegradation*, **2015**, 102, 15-23	4.8	18
29	Biological pre-treated oil palm mesocarp fibre with cattle manure for biogas production by anaerobic digestion during acclimatization phase. *International Biodeterioration and Biodegradation*, **2014**, 95, 189-194	4.8	18
28	The effect of different temperatures and fluxes on the performance of membrane bioreactor treating synthetic-municipal wastewater. *Desalination*, **2010**, 259, 111-119	10.3	18
27	Novel Weed-Extracted Silver Nanoparticles and Their Antibacterial Appraisal against a Rare Bacterium from River and Sewage Treatment Plan. *Nanomaterials*, **2017**, 8,	5.4	16
26	Fundamentals of mass transfer and kinetics for biosorption of oil and grease from agro-food industrial effluent by Serratia marcescens SA30. *RSC Advances*, **2015**, 5, 104666-104673	3.7	16
25	A Review on Emerging Pollutants in the Water Environment: Existences, Health Effects and Treatment Processes. *Water (Switzerland)*, **2021**, 13, 3258	3	15
24	Silver nanoparticles adsorption by the synthetic and natural adsorbent materials: an exclusive review. *Nanotechnology for Environmental Engineering*, **2020**, 5, 1	5.1	15
23	Removal of bisphenol A by adsorption mechanism using PES-SiO2 composite membranes. *Environmental Technology (United Kingdom)*, **2016**, 37, 1959-69	2.6	14
22	Removal of Silver Nanoparticles from Water Environment: Experimental, Mathematical Formulation, and Cost Analysis. *Water, Air, and Soil Pollution*, **2019**, 230, 1	2.6	12
21	Aggregation and surface hydrophobicity of selected microorganism due to the effect of substrate, pH and temperature. *International Biodeterioration and Biodegradation*, **2014**, 93, 202-209	4.8	9
20	The Removal of Bisphenol A in Water Treatment Plant Using Ultrafiltration Membrane System. *Water, Air, and Soil Pollution*, **2016**, 227, 1	2.6	8
19	Cultivation of oyster mushroom (Pleurotus spp.) on palm oil mesocarp fibre. *African Journal of Biotechnology*, **2011**, 10,	0.6	7
18	Developed microbial granules containing photosynthetic pigments for carbon dioxide reduction in palm oil mill effluent. *International Biodeterioration and Biodegradation*, **2017**, 116, 163-170	4.8	5
17	Supporting data for identification of biosurfactant-producing bacteria isolated from agro-food industrial effluent. *Data in Brief*, **2016**, 7, 834-8	1.2	5
16	FABRICATION OF MIXED MATRIC MEMBRANE INCORPORATED WITH MODIFIED SILICA NANOPARTICLES FOR BISPHENOL A REMOVAL. *Jurnal Teknologi (Sciences and Engineering)*, **2015**, 74,	1.2	4
15	The effect of drastic temperature changes on the performance of MBR treating municipal wastewater. *Water Science and Technology*, **2011**, 64, 1398-405	2.2	4
14	Textile Wastewater Treatment Using Biogranules Under Intermittent Anaerobic/Aerobic Reaction Phase. *Journal of Water and Environment Technology*, **2012**, 10, 303-315	1.1	4

13	Application of ion chromatography for the assessment of cadmium adsorption in simulated wastewater by activated carbon. *Desalination and Water Treatment*, **2014**, 52, 3616-3622		3
12	Physico-chemical properties of palm oil fuel ash as composite sorbent in kaolin clay landfill liner system **2011**,		3
11	DEVELOPMENT OF BIOGRANULES IN A PILOT-SCALE SEQUENTIAL BATCH REACTOR TREATING ACTUAL TEXTILE WASTEWATER. *Jurnal Teknologi (Sciences and Engineering)*, **2017**, 79,	1.2	2
10	Reduction and biofixation of carbon dioxide in palm oil mill effluent using developed microbial granules containing photosynthetic pigments. *Bioresource Technology*, **2016**, 221, 157-164	11	2
9	Application of biochemical products as a bioremediation technique for domestic sewage treatment plants. *Water Science and Technology*, **2007**, 56, 33-40	2.2	2
8	**2011**,		1
7	Cadmium and lead removal from municipal landfill leachate using carbon adsorbent made from oil palm shell. *International Journal of Environment and Waste Management*, **2009**, 4, 331	0.9	1
6	Feasibility of nutrients removal and its pathways using integrated anaerobic-aerobic sequencing batch reactor. *Bioresource Technology Reports*, **2022**, 17, 100912	4.1	1
5	Effect of operating parameter on the anaerobic digestion oil palm mesocarp fibre with cattle manure for biogas production. *IOP Conference Series: Earth and Environmental Science*, **2020**, 476, 012085	0.3	1
4	Environmental application for GIS: Assessing Iskandar Malaysia's (IM) sewage sludge for potential biomass resource. *IOP Conference Series: Earth and Environmental Science*, **2014**, 18, 012154	0.3	
3	COD and color removal from textile effluent using granular sludge biomass: effect of substrate and riboflavin. *Desalination and Water Treatment*, **2014**, 52, 7366-7376		
2	Spinning Effect of Polyethersulfone Hollow Fiber Membrane Prepared by Water or Polyvinylpyrrolidone in Ternary Formulation1-10		
1	Application of locally available materials for the treatment of organic polluted water. *Water Science and Technology*, **2002**, 46, 339-46	2.2	