Anurita Selvarajoo

List of Publications by Year
in descending order

27 papers	553 citations	687363 13 h-index	642732 23 g-index
27 all docs	27 docs citations	27 times ranked	427 citing authors

#	Article	IF	Citations
1	Evaluation of potential feedstock for biogas production via anaerobic digestion in Malaysia: kinetic studies and economics analysis. Environmental Technology (United Kingdom), 2022, 43, 2492-2509.	2.2	10
2	Natural plant materials as coagulant and flocculants for the treatment of palm oil mill effluent. Materials Today: Proceedings, 2022, 48, 871-887.	1.8	10
3	How does the Internet of Things (IoT) help in microalgae biorefinery?. Biotechnology Advances, 2022, 54, 107819.	11.7	45
4	Stability of biochar derived from banana peel through pyrolysis as alternative source of nutrient in soil: feedforward neural network modelling study. Environmental Monitoring and Assessment, 2022, 194, 70.	2.7	8
5	Biochar production via pyrolysis of citrus peel fruit waste as a potential usage as solid biofuel. Chemosphere, 2022, 294, 133671.	8.2	63
6	Potential of Biochar as Soil Amendment: Prediction of Elemental Ratios from Pyrolysis of Agriculture Biomass Using Artificial Neural Network. Water, Air, and Soil Pollution, 2022, 233, 1.	2.4	11
7	Comparative life cycle assessment of pervious concrete production in Malaysia with natural and recycled aggregate. Innovative Infrastructure Solutions, 2022, 7, 1.	2.2	3
8	Prediction of carbon sequestration of biochar produced from biomass pyrolysis by artificial neural network. Journal of Environmental Chemical Engineering, 2022, 10, 107640.	6.7	17
9	Feasibility of Bio-Coal Production from Hydrothermal Carbonization (HTC) Technology Using Food Waste in Malaysia. Sustainability, 2022, 14, 4534.	3.2	3
10	Utilisation of natural plant-based fenugreek (Trigonella foenum-graecum) coagulant and okra (Abelmoschus escluentus) flocculant for palm oil mill effluent (POME) treatment. Journal of Environmental Chemical Engineering, 2021, 9, 104667.	6.7	29
11	Performance study of chia seeds, chia flour and Mimosa pudica hydrogel as polysaccharide-based superabsorbent polymers for sanitary napkins. Materials Today Communications, 2021, 26, 101712.	1.9	10
12	Artificial Neural Network Modelling for Slow Pyrolysis Process of Biochar from Banana Peels and Its Effect on O/C Ratio. Advances in Intelligent Systems and Computing, 2021, , 336-350.	0.6	2
13	Optimization of Pyrolysis Parameters for Production of Biochar From Banana Peels: Evaluation of Biochar Application on the Growth of Ipomoea aquatica. Frontiers in Energy Research, 2021, 8, .	2.3	23
14	Bio-pellets from empty fruit bunch and durian rinds with cornstarch adhesive for potential renewable energy. Materials Science for Energy Technologies, 2021, 4, 242-248.	1.8	6
15	An experimental and modelling approach to produce biochar from banana peels through pyrolysis as potential renewable energy resources. Modeling Earth Systems and Environment, 2020, 6, 115-128.	3.4	29
16	Fenugreek seeds and okra for the treatment of palm oil mill effluent (POME) â€" Characterization studies and modeling with backpropagation feedforward neural network (BFNN). Journal of Water Process Engineering, 2020, 37, 101500.	5.6	11
17	Outlook on biorefinery potential of palm oil mill effluent for resource recovery. Journal of Environmental Chemical Engineering, 2020, 8, 104519.	6.7	23
18	Artificial neural networks modelling: Gasification behaviour of palm fibre biochar. Materials Science for Energy Technologies, 2020, 3, 868-878.	1.8	9

#	Article	IF	Citations
19	Comparative study of artificial neural network (ANN), adaptive neuro-fuzzy inference system (ANFIS) and multiple linear regression (MLR) for modeling of Cu (II) adsorption from aqueous solution using biochar derived from rambutan (Nephelium lappaceum) peel. Environmental Monitoring and Assessment, 2020, 192, 439.	2.7	51
20	Effect of pyrolysis temperature on product yields of palm fibre and its biochar characteristics. Materials Science for Energy Technologies, 2020, 3, 575-583.	1.8	30
21	Artificial Neural Network (ANN) Modelling of Palm Oil Mill Effluent (POME) Treatment with Natural Bio-coagulants. Environmental Processes, 2020, 7, 509-535.	3.5	15
22	USE OF NEARPOD AS INTERACTIVE LEARNING METHOD. INTED Proceedings, 2019, , .	0.0	4
23	Treatment of palm oil mill effluent (POME) using chickpea (Cicer arietinum) as a natural coagulant and flocculant: Evaluation, process optimization and characterization of chickpea powder. Journal of Environmental Chemical Engineering, 2018, 6, 6243-6255.	6.7	72
24	Treatment of palm oil mill effluent (POME) by coagulation flocculation process using peanutâ€"okra and wheat germâ€"okra. Clean Technologies and Environmental Policy, 2018, 20, 1951-1970.	4.1	28
25	Pyrolysis of Biomass. , 2017, , 215-229.		6
26	Adsorption of Copper(II) Ion from Aqueous Solution Using Biochar Derived from Rambutan (Nepheliumlappaceum) Peel: Feedforward Neural Network Modelling Study. Water, Air, and Soil Pollution, 2017, 228, 1.	2.4	32
27	Rambutan (Nephelium lappaceum) seeds for the treatment of Palm Oil Mill Effluent (POME) and its Feedforward Artificial Neural Network (FANN) modeling. Journal of Modern Manufacturing Systems and Technology, 0, 4, 1-14.	0.2	3