

N Arul Manikandan

List of Publications by Year in descending order

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Version: 2024-02-01

9
papers

261
citations

1163117

8
h-index

1474206

9
g-index

10
all docs

10
docs citations

10
times ranked

285
citing authors

#	ARTICLE	IF	CITATIONS
1	Techno-economic assessment of a sustainable and cost-effective bioprocess for large scale production of polyhydroxybutyrate. <i>Chemosphere</i> , 2021, 284, 131371.	8.2	15
2	A novel rotating wide gap annular bioreactor (Taylor-Couette type flow) for polyhydroxybutyrate production by <i>Ralstonia eutropha</i> using carob pod extract. <i>Journal of Environmental Management</i> , 2021, 299, 113591.	7.8	2
3	Preparation and characterization of environmentally safe and highly biodegradable microbial polyhydroxybutyrate (PHB) based graphene nanocomposites for potential food packaging applications. <i>International Journal of Biological Macromolecules</i> , 2020, 154, 866-877.	7.5	85
4	A closed-loop biorefinery approach for polyhydroxybutyrate (PHB) production using sugars from carob pods as the sole raw material and downstream processing using the co-product lignin. <i>Bioresource Technology</i> , 2020, 307, 123247.	9.6	22
5	Novel shortcut biological nitrogen removal method using an algae-bacterial consortium in a photo-sequencing batch reactor: Process optimization and kinetic modelling. <i>Journal of Environmental Management</i> , 2019, 250, 109401.	7.8	31
6	A novel ceramic membrane assembly for the separation of polyhydroxybutyrate (PHB) rich <i>Ralstonia eutropha</i> biomass from culture broth. <i>Chemical Engineering Research and Design</i> , 2019, 126, 106-118.	5.6	13
7	Phytoremediation of nitrate contaminated water using ornamental plants. <i>Journal of Water Supply: Research and Technology - AQUA</i> , 2019, 68, 731-743.	1.4	23
8	Anthracene Biodegradation by Oleaginous <i>Rhodococcus opacus</i> for Biodiesel Production and Its Characterization. <i>Polycyclic Aromatic Compounds</i> , 2019, 39, 207-219.	2.6	32
9	Waste Litchi Peels for Cr(VI) Removal from Synthetic Wastewater in Batch and Continuous Systems: Sorbent Characterization, Regeneration and Reuse Study. <i>Journal of Environmental Engineering, ASCE</i> , 2016, 142, .	1.4	37