Tamilselvan Silambarasan

List of Publications by Year
in descending order

14	215	1163117 8	1125743 13
papers	citations	h-index	g-index

14	14	14	280
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Eco-technological method for carbon dioxide biosorption and molecular mechanism of the RuBisCO enzyme from unicellular microalga Chlorella vulgaris RDS03: a synergistic approach. Biomass Conversion and Biorefinery, 2024, 14, 4191-4209.	4.6	1
2	Computer Aided Drug Design of 1,2,3-Triazole Fused Bioactive Derivative Targeting Glucosamine-6-Phosphate Synthase (GlmS) â€“ XRD, Computational Crystallography, and Molecular Simulation Approach. Polycyclic Aromatic Compounds, 2023, 43, 3223-3239.	2.6	1
3	Integrating eco-technological approach for textile dye effluent treatment and carbon dioxide capturing from unicellular microalga Chlorella vulgaris RDS03: a synergistic method. International Journal of Phytoremediation, 2023, 25, 466-482.	3.1	5
4	Pilot scale wastewater treatment, CO₂ sequestration and lipid production using microalga, Neochloris aquatica RDS02. International Journal of Phytoremediation, 2020, 22, 1462-1479.	3.1	32
5	Statistical Optimization of Biobleaching Efficacy of endo-Î²-1,4-xylanase from an Actinobacterium Streptomyces olivaceus (MSU3) in Comparison with Zinc Oxide Pretreated Sugarcane Bagasse Pulp Using Boxâ€“Behnken Design. Smart Science, 2020, 8, 39-49.	3.2	2
6	Evaluation of Multitudinous Potentials of Photosynthetic Microalga, Neochloris aquatica RDS02 Derived Silver Nanoparticles. Smart Science, 2019, 7, 116-129.	3.2	5
7	Response surface methodology as a statistical tool for optimization of physio-biochemical cellular components of microalgae Chlorella pyrenoidosa for biodiesel production. Applied Water Science, 2019, 9, 1.	5.6	25
8	Exploration of green integrated approach for effluent treatment through mass culture and biofuel production from unicellular alga, Acutodesmus obliquus RDS01. International Journal of Phytoremediation, 2019, 21, 1305-1322.	3.1	19
9	Bioconversion and bioethanol production from agro-residues through fermentation process using mangrove-associated actinobacteriumStreptomyces olivaceus(MSU3). Biofuels, 2019, 10, 167-179.	2.4	16
10	Biosynthesis, molecular modeling and statistical optimization of xylanase from a mangrove associated actinobacterium Streptomyces variabilis (MAB3) using Box-Behnken design with its bioconversion efficacy. International Journal of Biological Macromolecules, 2018, 118, 195-208.	7.5	14
11	Biosynthesis, purification and characterization of Î²-1,4-xylanase from a novel mangrove associated actinobacterium Streptomyces olivaceus (MSU3) and its applications. Protein Expression and Purification, 2017, 130, 1-12.	1.3	37
12	Synthesis, structure, DNA/BSA interaction and in vitro cytotoxic activity of nickel(II) complexes derived from S-allyldithiocarbazate. Journal of Photochemistry and Photobiology B: Biology, 2014, 141, 176-185.	3.8	19
13	Dissymmetric thiosemicarbazone ligands containing substituted aldehyde arm and their ruthenium(II) carbonyl complexes with PPh3/AsPh3 as ancillary ligands: Synthesis, structural characterization, DNA/BSA interaction and inÂvitro anticancer activity. Journal of Organometallic Chemistry, 2014, 768, 163-177.	1.8	37
14	Modeling and dynamic design of an artificial culture medium for heterotrophic cultivation of Tetradesmus obliquus RDS01 for CO2 sequestration and green biofuels production: an eco-technological approach. Biomass Conversion and Biorefinery, 0, , .	4.6	2