

Tamilselvan Silambarasan

List of Publications by Year in descending order

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14
papers

215
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1163117

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1125743

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14
docs citations

14
times ranked

280
citing authors

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