

Santosh Kumar

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

179
citations

933264

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1125617

13
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docs citations

15
times ranked

109
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhancing microalgae production by installing concave walls in plate photobioreactors. <i>Bioresource Technology</i> , 2022, 345, 126479.	4.8	11
2	Magnetic/electric field intervention on oil-rich filamentous algae production in the application of acrylonitrile butadiene styrene based wastewater treatment. <i>Bioresource Technology</i> , 2022, 356, 127272.	4.8	6
3	Dynamic Foam Characteristics during Cultivation of <i>Arthrospira platensis</i> . <i>Bioengineering</i> , 2022, 9, 257.	1.6	1
4	Developing a Zigzag-baffled column photobioreactor to increase mass-transfer, CO ₂ fixation and biomass yield during <i>A. platensis</i> cultivation. <i>Journal of CO₂ Utilization</i> , 2022, 63, 102126.	3.3	6
5	Orange light spectra filtered through transparent colored polyvinyl chloride sheet enhanced pigment content and growth of <i>Arthrospira</i> cells. <i>Bioresource Technology</i> , 2021, 319, 124179.	4.8	13
6	Strengthening mass transfer with the Tesla-valve baffles to increase the biomass yield of <i>Arthrospira platensis</i> in a column photobioreactor. <i>Bioresource Technology</i> , 2021, 320, 124337.	4.8	16
7	Developing staggered woven mesh aerator with three variable-micropore layers in recycling water pipeline to enhance CO ₂ conversion for improving <i>Arthrospira</i> growth. <i>Science of the Total Environment</i> , 2021, 760, 143941.	3.9	7
8	Conversion of Na HCO ₃ to Na ₂ CO ₃ with a growth of <i>Arthrospira platensis</i> cells in 660 Åm ² raceway ponds with a CO ₂ bicarbonation absorber. <i>Microbial Biotechnology</i> , 2020, 13, 470-478.	2.0	6
9	Microporous Diaphragm Aerator Improves Flue Gas CO ₂ Dissolution and Photosynthetic Characteristics of <i>Arthrospira</i> Cells in 660 m ² Raceway Ponds. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 11558-11568.	3.2	14
10	Development of a single helical baffle to increase CO ₂ gas and microalgal solution mixing and <i>Chlorella</i> PY-ZU1 biomass yield. <i>Bioresource Technology</i> , 2020, 307, 123253.	4.8	17
11	Improving flashing light frequency and CO ₂ fixation rate with vortex movement of algal cells in raceway pond with conic baffles. <i>Chemical Engineering Science</i> , 2020, 216, 115536.	1.9	13
12	Three-dimensional numerical simulation of light penetration in an optimized flow field composed of microalgae cells, carbon dioxide bubbles and culture medium. <i>Bioresource Technology</i> , 2019, 292, 121979.	4.8	13
13	Developing a CO ₂ bicarbonation absorber for promoting microalgal growth rates with an improved photosynthesis pathway. <i>RSC Advances</i> , 2019, 9, 2746-2755.	1.7	20
14	Self-rotary propellers with clockwise/counterclockwise blades create spiral flow fields to improve mass transfer and promote microalgae growth. <i>Bioresource Technology</i> , 2019, 286, 121384.	4.8	16
15	Enhancing vorticity magnitude of turbulent flow to promote photochemical efficiency and trichome helix pitch of <i>Arthrospira platensis</i> in a raceway pond with conic baffles. <i>Bioresource Technology</i> , 2018, 269, 1-8.	4.8	20