Brian Freeland

List of Publications by Year
in descending order

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15 papers	190 citations	1307366 7 h-index	1199470 12 g-index
15 all docs	15 docs citations	15 times ranked	112 citing authors

#	Article	IF	Citations
1	A Review of Polylactic Acid as a Replacement Material for Single-Use Laboratory Components. Materials, 2022, 15, 2989.	1.3	33
2	Single-step functionalization of silicon nanoparticles providing efficient DNA binding. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 648, 129217.	2.3	3
3	Exopolysaccharides of Lactic Acid Bacteria: Production, Purification and Health Benefits towards Functional Food. Nutrients, 2022, 14, 2938.	1.7	45
4	Additive-free silver nanoparticle ink development using flow-based Laser Ablation Synthesis in Solution and Aerosol Jet printing. Chemical Engineering Journal, 2022, 449, 137817.	6.6	13
5	Electrochemical and chronoamperometry assessment of nanoâ€‘gold sensor surfaces produced via novel laser fabrication methods. Journal of Electroanalytical Chemistry, 2021, 880, 114813.	1.9	2
6	Real-time monitoring and control for high-efficiency autonomous laser fabrication of silicon nanoparticle colloids. International Journal of Advanced Manufacturing Technology, 2021, 114, 291-304.	1.5	12
7	Novel Strategy for the Calorimetry-Based Control of Fed-Batch Cultivations of Saccharomyces cerevisiae. Processes, 2021, 9, 723.	1.3	4
8	Control of Specific Growth Rate in Fed-Batch Bioprocesses: Novel Controller Design for Improved Noise Management. Processes, 2020, 8, 679.	1.3	14
9	Stable nano-silver colloid production via Laser Ablation Synthesis in Solution (LASiS) under laminar recirculatory flow. Advances in Materials and Processing Technologies, 2020, 6, 677-685.	0.8	7
10	High-efficiency generation of nanomaterials via laser ablation synthesis in solution with in-situ diagnostics for closed-loop control. , 2020, , .		1
11	Advanced Characterisation Techniques for Nanostructures. , 2018, , 55-93.		2
12	Application of Turbidity Meters for the Quantitative Analysis of Flocculation in a Jar Test Apparatus. Journal of Environmental Engineering, ASCE, 2015, 141, .	0.7	8
13	The Choice of Suitable Online Analytical Techniques and Data Processing for Monitoring of Bioprocesses. Advances in Biochemical Engineering/Biotechnology, 2012, 132, 249-280.	0.6	13
14	Investigation of the potential of biocalorimetry as a process analytical technology (PAT) tool for monitoring and control of Crabtree-negative yeast cultures. Applied Microbiology and Biotechnology, 2012, 93, 575-584.	1.7	33
15	Fed-Batch System for Propagation of Brewerâ€™s Yeast. Journal of the American Society of Brewing Chemists, 0, , 1-11.	0.8	0