Sheela Chandren

List of Publications by Year
in descending order

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Version: 2024-02-01

18	381	1162889	839398
papers	citations	8	18
		h-index	g-index

18	18	18	416
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Oil Palm (Elaeis guineensis) Biomass in Malaysia: The Present and Future Prospects. Waste and Biomass Valorization, 2019, 10, 2099-2117.	1.8	128
2	Structure and properties of oil palm-based nanocellulose reinforced chitosan nanocomposite for efficient synthesis of butyl butyrate. Carbohydrate Polymers, 2017, 176, 281-292.	5.1	58
3	Characterization, optimization and stability studies on Candida rugosa lipase supported on nanocellulose reinforced chitosan prepared from oil palm biomass. International Journal of Biological Macromolecules, 2018, 114, 306-316.	3.6	41
4	Enzymatic synthesis of butyl butyrate by Candida rugosa lipase supported on magnetized-nanosilica from oil palm leaves: Process optimization, kinetic and thermodynamic study. Journal of the Taiwan Institute of Chemical Engineers, 2018, 91, 105-118.	2.7	36
5	Textile/Al₂O₃â€“TiO₂ nanocomposite as an antimicrobial and radical scavenger wound dressing. RSC Advances, 2016, 6, 8188-8197.	1.7	25
6	Effect of operative variables and kinetic study of butyl butyrate synthesis by Candida rugosa lipase activated by chitosan-reinforced nanocellulose derived from raw oil palm leaves. Enzyme and Microbial Technology, 2019, 130, 109367.	1.6	25
7	Taguchi orthogonal design assisted immobilization of Candida rugosa lipase onto nanocellulose-silica reinforced polyethersulfone membrane: physicochemical characterization and operational stability. Cellulose, 2021, 28, 5669.	2.4	15
8	Capillary electrophoresis for the analysis of antidepressant drugs: A review. Journal of Separation Science, 2019, 42, 906-924.	1.3	9
9	Influence of Solvents' Polarity on the Physicochemical Properties and Photocatalytic Activity of Titania Synthesized Using Deinbollia pinnata Leaves. Frontiers in Chemistry, 2020, 8, 597980.	1.8	6
10	Structure and properties of lipase activated by cellulose-silica polyethersulfone membrane for production of pentyl valerate. Carbohydrate Polymers, 2020, 245, 116549.	5.1	6
11	Hydrophobic effect of silica functionalized with silylated Ti-salicylaldimine complex on limonene oxidation by aqueous hydrogen peroxide. Journal of Chemical Sciences, 2015, 127, 1905-1917.	0.7	5
12	Fire-retardancy of wood coated by titania nanoparticles. AIP Conference Proceedings, 2019, , .	0.3	5
13	Preparation of Titania on Stainless Steel by the Spray-ILGAR Technique as Active Photocatalyst under UV Light Irradiation for the Decomposition of Acetaldehyde. Applied Sciences (Switzerland), 2017, 7, 698.	1.3	4
14	One-Dimensional-Like Titania/4â€²-Pentyl-4-Biphenylcarbonitrile Composite Synthesized Under Magnetic Field and its Structureâ€“Photocatalytic Activity Relationship. Frontiers in Chemistry, 2018, 6, 370.	1.8	4
15	Performance of Candida rugosa lipase supported on nanocellulose-silica-reinforced polyethersulfone membrane for the synthesis of pentyl valerate: Kinetic, thermodynamic and regenerability studies. Molecular Catalysis, 2021, 514, 111852.	1.0	4
16	Biosynthesis of Gold Nanoisotrops Using Carallia brachiata Leaf Extract and Their Catalytic Application in the Reduction of 4-Nitrophenol. Frontiers in Chemistry, 2021, 9, 800145.	1.8	4
17	Titania-Loaded Coal Char as Catalyst in Oxidation of Styrene with Aqueous Hydrogen Peroxide. International Journal of Chemical Reactor Engineering, 2017, 15, .	0.6	3
18	Physicochemical properties and operational stability of Taguchi design-optimized Candida rugosa lipase supported on biogenic silica/magnetite/graphene oxide for ethyl valerate synthesis. Advanced Powder Technology, 2022, 33, 103374.	2.0	3