

# Sheela Chandren

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

18  
papers

259  
citations

7  
h-index

16  
g-index

18  
ext. papers

317  
ext. citations

4.7  
avg, IF

3.66  
L-index

#	Paper	IF	Citations
18	Physicochemical properties and operational stability of Taguchi design-optimized <i>Candida rugosa</i> lipase supported on biogenic silica/magnetite/graphene oxide for ethyl valerate synthesis. <i>Advanced Powder Technology</i> , <b>2022</b> , 33, 103374	4.6	2
17	Biosynthesis of Gold Nanoparticles Using Leaf Extract and Their Catalytic Application in the Reduction of 4-Nitrophenol. <i>Frontiers in Chemistry</i> , <b>2021</b> , 9, 800145	5	2
16	Taguchi orthogonal design assisted immobilization of <i>Candida rugosa</i> lipase onto nanocellulose-silica reinforced polyethersulfone membrane: physicochemical characterization and operational stability. <i>Cellulose</i> , <b>2021</b> , 28, 5669	5.5	10
15	Performance of <i>Candida rugosa</i> lipase supported on nanocellulose-silica-reinforced polyethersulfone membrane for the synthesis of pentyl valerate: Kinetic, thermodynamic and regenerability studies. <i>Molecular Catalysis</i> , <b>2021</b> , 514, 111852	3.3	3
14	Influence of Solvents Polarity on the Physicochemical Properties and Photocatalytic Activity of Titania Synthesized Using Leaves. <i>Frontiers in Chemistry</i> , <b>2020</b> , 8, 597980	5	4
13	Structure and properties of lipase activated by cellulose-silica polyethersulfone membrane for production of pentyl valerate. <i>Carbohydrate Polymers</i> , <b>2020</b> , 245, 116549	10.3	5
12	Effect of operative variables and kinetic study of butyl butyrate synthesis by <i>Candida rugosa</i> lipase activated by chitosan-reinforced nanocellulose derived from raw oil palm leaves. <i>Enzyme and Microbial Technology</i> , <b>2019</b> , 130, 109367	3.8	13
11	Fire-retardancy of wood coated by titania nanoparticles <b>2019</b> ,		3
10	Capillary electrophoresis for the analysis of antidepressant drugs: A review. <i>Journal of Separation Science</i> , <b>2019</b> , 42, 906-924	3.4	4
9	Oil Palm ( <i>Elaeis guineensis</i> ) Biomass in Malaysia: The Present and Future Prospects. <i>Waste and Biomass Valorization</i> , <b>2019</b> , 10, 2099-2117	3.2	78
8	Characterization, optimization and stability studies on <i>Candida rugosa</i> lipase supported on nanocellulose reinforced chitosan prepared from oil palm biomass. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 114, 306-316	7.9	33
7	Enzymatic synthesis of butyl butyrate by <i>Candida rugosa</i> lipase supported on magnetized-nanosilica from oil palm leaves: Process optimization, kinetic and thermodynamic study. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2018</b> , 91, 105-118	5.3	22
6	One-Dimensional-Like Titania/Pentyl-4-Biphenylcarbonitrile Composite Synthesized Under Magnetic Field and its Structure-Photocatalytic Activity Relationship. <i>Frontiers in Chemistry</i> , <b>2018</b> , 6, 370 <sup>5</sup>		3
5	Titania-Loaded Coal Char as Catalyst in Oxidation of Styrene with Aqueous Hydrogen Peroxide. <i>International Journal of Chemical Reactor Engineering</i> , <b>2017</b> , 15,	1.2	3
4	Structure and properties of oil palm-based nanocellulose reinforced chitosan nanocomposite for efficient synthesis of butyl butyrate. <i>Carbohydrate Polymers</i> , <b>2017</b> , 176, 281-292	10.3	50
3	Preparation of Titania on Stainless Steel by the Spray-ILGAR Technique as Active Photocatalyst under UV Light Irradiation for the Decomposition of Acetaldehyde. <i>Applied Sciences (Switzerland)</i> , <b>2017</b> , 7, 698	2.6	4
2	Textile/Al <sub>2</sub> O <sub>3</sub> /TiO <sub>2</sub> nanocomposite as an antimicrobial and radical scavenger wound dressing. <i>RSC Advances</i> , <b>2016</b> , 6, 8188-8197	3.7	18

- 1 Hydrophobic effect of silica functionalized with silylated Ti-salicylalimine complex on limonene oxidation by aqueous hydrogen peroxide. *Journal of Chemical Sciences*, **2015**, 127, 1905-1917 1.8 2