Eliane P Cipolatti

List of Publications by Citations

39 papers	1,016 citations	16 h-index	31 g-index
49 ext. papers	1,193 ext. citations	4.8 avg, IF	4.13 L-index

#	Paper	IF	Citations
39	Nanomaterials for biocatalyst immobilization – state of the art and future trends. *RSC Advances*, **2016**, 6, 104675-104692	3.7	229
38	Current status and trends in enzymatic nanoimmobilization. *Journal of Molecular Catalysis B: Enzymatic*, **2014**, 99, 56-67		208
37	Improved production of biolubricants from soybean oil and different polyols via esterification reaction catalyzed by immobilized lipase from Candida rugosa. *Fuel*, **2018**, 215, 705-713	7.1	81
36	Changes in lipid, fatty acids and phospholipids composition of whole rice bran after solid-state fungal fermentation. *Bioresource Technology*, **2011**, 102, 8335-8	11	70
35	Evaluation of different methods for immobilization of Candida antarctica lipase B (CalB lipase) in polyurethane foam and its application in the production of geranyl propionate. *Bioprocess and Biosystems Engineering*, **2015**, 38, 1739-48	3.7	36
34	Support engineering: relation between development of new supports for immobilization of lipases and their applications. *Biotechnology Research and Innovation*, **2017**, 1, 26-34	10.1	30
33	Physico-chemical characterization of fermented rice bran biomass Caracterización físico-química de la biomasa del salvado de arroz fermentado. *CYTA - Journal of Food*, **2010**, 8, 229-236	2.3	30
32	Phenolic compounds and antioxidant activity in fermented rice (Oryza sativa) bran. *Food Science and Technology*, **2012**, 32, 531-537	2	28
31	Solid-state fermentation for the enrichment and extraction of proteins and antioxidant compounds in rice bran by Rhizopus oryzae. *Brazilian Archives of Biology and Technology*, **2012**, 55, 937-942	1.8	27
30	Immobilization of Candida antarctica lipase B on PEGylated poly(urea-urethane) nanoparticles by step miniemulsion polymerization. *Journal of Molecular Catalysis B: Enzymatic*, **2014**, 109, 116-121		24
29	Physico-chemical composition, fractionated glycerides and fatty acid profile of chicken skin fat. *European Journal of Lipid Science and Technology*, **2010**, 112, 1277-1284	3	24
28	Synthesis and modification of polyurethane for immobilization of Thermomyces lanuginosus (TLL) lipase for ethanolysis of fish oil in solvent free system. *Journal of Molecular Catalysis B: Enzymatic*, **2015**, 122, 163-169		23
27	Pilot-scale development of core–shell polymer supports for the immobilization of recombinant lipase B from Candida antarctica and their application in the production of ethyl esters from residual fatty acids. *Journal of Applied Polymer Science*, **2018**, 135, 46727	2.9	22
26	Use of agroindustrial byproducts as substrate for production of carotenoids with antioxidant potential by wild yeasts. *Biocatalysis and Agricultural Biotechnology*, **2019**, 20, 101208	4.2	20
25	Kinetic study of Candida antarctica lipase B immobilization using poly(methyl methacrylate) nanoparticles obtained by miniemulsion polymerization as support. *Applied Biochemistry and Biotechnology*, **2015**, 175, 2961-71	3.2	19
24	Enzymatic synthesis of biolubricants from by-product of soybean oil processing catalyzed by different biocatalysts of Candida rugosa lipase. *Catalysis Today*, **2021**, 362, 122-129	5.3	17
23	Stabilization of lipase from Thermomyces lanuginosus by crosslinking in PEGylated polyurethane particles by polymerization: Application on fish oil ethanolysis. *Biochemical Engineering Journal*, **2016**, 112, 54-60	4.2	16

22	Development of Microbial Oil Wax-Based Oleogel with Potential Application in Food Formulations. *Food and Bioprocess Technology*, **2019**, 12, 899-909	5.1	13
21	Structural differences of commercial and recombinant lipase B from Candida antarctica: An important implication on enzymes thermostability. *International Journal of Biological Macromolecules*, **2019**, 140, 761-770	7.9	13
20	Immobilization of Moniliella spathulata R25L270 Lipase on Ionic, Hydrophobic and Covalent Supports: Functional Properties and Hydrolysis of Sardine Oil. *Molecules*, **2017**, 22,	4.8	11
19	Production and optimization of isopropyl palmitate via biocatalytic route using home-made enzymatic catalysts. *Journal of Chemical Technology and Biotechnology*, **2019**, 94, 389-397	3.5	11
18	Production of new nanobiocatalysts via immobilization of lipase B from C. antarctica on polyurethane nanosupports for application on food and pharmaceutical industries. *International Journal of Biological Macromolecules*, **2020**, 165, 2957-2963	7.9	10
17	Application of protein-phenolic based coating on tomatoes (Lycopersicum esculentum). *Food Science and Technology*, **2012**, 32, 594-598	2	9
16	How the biodiesel from immobilized enzymes production is going on: An advanced bibliometric evaluation of global research. *Renewable and Sustainable Energy Reviews*, **2022**, 153, 111765	16.2	9
15	Enzymes in Green Chemistry: The State of the Art in Chemical Transformations **2019**, 137-151		7
14	Effects of Reaction Operation Policies on Properties of Core–Shell Polymer Supports Used for Preparation of Highly Active Biocatalysts. *Macromolecular Reaction Engineering*, **2019**, 13, 1800055	1.5	5
13	Production of New Functionalized Polymer Nanoparticles and Use for Manufacture of Novel Nanobiocatalysts. *Macromolecular Materials and Engineering*, **2020**, 305, 2000065	3.9	4
12	Application of Rhizomucor miehei lipase-displaying Pichia pastoris whole cell for biodiesel production using agro-industrial residuals as substrate. *International Journal of Biological Macromolecules*, **2021**, 189, 734-743	7.9	4
11	Synthesis of Porous Polymeric Supports with PolyHIPE Structures Based on Styrene-Divinylbenzene Copolymers. *Macromolecular Symposia*, **2020**, 394, 2000109	0.8	3
10	Effect of hydrophobicity degree of polymer particles on lipase immobilization and on biocatalyst performance. *Biocatalysis and Biotransformation*, **2020**, 1-11	2.5	3
9	Synthesis of lipase/silica biocatalysts through the immobilization of CALB on porous SBA-15 and their application on the resolution of pharmaceutical derivatives and on nutraceutical enrichment of natural oil. *Molecular Catalysis*, **2021**, 505, 111529	3.3	3
8	Nanoflowers: A New Approach of Enzyme Immobilization.. *Chemical Record*, **2022**, e202100293	6.6	2
7	Comparative performance and reusability studies of lipases on syntheses of octyl esters with an economic approach. *Bioprocess and Biosystems Engineering*, **2021**, 1	3.7	2
6	Preparation of Polymer Microparticles Through Non-aqueous Suspension Polycondensations: Part VII. Analyses of Chemical and Enzymatic Degradation of Poly(Butylene Succinate) (PBS). *Journal of Polymers and the Environment*,1	4.5	1
5	Enzymatic Biodiesel Production **2021**, 265-282		1

4	The role of Brazil in the advancement of enzymatic biodiesel production. *Brazilian Journal of Chemical Engineering*,1	1.7	0
3	Current approaches to use oil crops by-products for biodiesel and biolubricant production: Focus on biocatalysis. *Bioresource Technology Reports*, **2022**, 18, 101030	4.1	0
2	Polymerization strategies to produce new polymer biocatalysts for the biodiesel industry. *Journal of Applied Polymer Science*,51774	2.9	
1	Enzymatic Biodiesel Production **2021**, 265-282		