

Rodrigo O M A De Souza

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

1,171
citations

471371

17
h-index

501076

28
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35
all docs

35
docs citations

35
times ranked

1632
citing authors

#	ARTICLE	IF	CITATIONS
1	Lipases: Valuable catalysts for dynamic kinetic resolutions. <i>Biotechnology Advances</i> , 2015, 33, 372-393.	6.0	176
2	A Retrosynthesis Approach for Biocatalysis in Organic Synthesis. <i>Chemistry - A European Journal</i> , 2017, 23, 12040-12063.	1.7	171
3	The Three-Component Biginelli Reaction: A Combined Experimental and Theoretical Mechanistic Investigation. <i>Chemistry - A European Journal</i> , 2009, 15, 9799-9804.	1.7	103
4	Continuous Flow Synthesis of α -Halo Ketones: Essential Building Blocks of Antiretroviral Agents. <i>Journal of Organic Chemistry</i> , 2014, 79, 1555-1562.	1.7	92
5	Bio(chemo)technological strategies for biomass conversion into bioethanol and key carboxylic acids. <i>Green Chemistry</i> , 2014, 16, 2386.	4.6	62
6	A three step continuous flow synthesis of the biaryl unit of the HIV protease inhibitor Atazanavir. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 6806-6813.	1.5	56
7	Lipase-catalyzed diacylglycerol production under sonochemical irradiation. <i>Ultrasonics Sonochemistry</i> , 2010, 17, 4-6.	3.8	55
8	The Biginelli reaction under batch and continuous flow conditions: catalysis, mechanism and antitumoral activity. <i>RSC Advances</i> , 2015, 5, 48506-48515.	1.7	51
9	The Multicomponent Hantzsch Reaction: Comprehensive Mass Spectrometry Monitoring Using Charge-Tagged Reagents. <i>Chemistry - A European Journal</i> , 2014, 20, 12808-12816.	1.7	45
10	Lipase-Catalyzed Monostearin Synthesis under Continuous Flow Conditions. <i>Organic Process Research and Development</i> , 2012, 16, 1098-1101.	1.3	41
11	Cellulose as an efficient matrix for lipase and transaminase immobilization. <i>RSC Advances</i> , 2016, 6, 6665-6671.	1.7	35
12	Continuous flow valorization of fatty acid waste using silica-immobilized lipases. <i>Green Chemistry</i> , 2013, 15, 518.	4.6	32
13	Palm oil hydrolysis catalyzed by lipases under ultrasound irradiation – The use of experimental design as a tool for variables evaluation. <i>Ultrasonics Sonochemistry</i> , 2012, 19, 232-236.	3.8	28
14	Ethyl acetate as an acyl donor in the continuous flow kinetic resolution of (Δ)-1-phenylethylamine catalyzed by lipases. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 3332.	1.5	23
15	Continuous flow dynamic kinetic resolution of rac-1-phenylethanol using a single packed-bed containing immobilized CAL-B lipase and VOSO ₄ as racemization catalysts. <i>Reaction Chemistry and Engineering</i> , 2017, 2, 375-381.	1.9	22
16	Exploiting novel process windows for the synthesis of meso-substituted porphyrins under continuous flow conditions. <i>RSC Advances</i> , 2015, 5, 84350-84355.	1.7	20
17	Ammonium formate as a green hydrogen source for clean semi-continuous enzymatic dynamic kinetic resolution of (+)-1-methylbenzylamine. <i>RSC Advances</i> , 2014, 4, 13620-13625.	1.7	18
18	Lipase immobilization towards improved productivity on kinetic resolutions by a continuous-flow process. <i>RSC Advances</i> , 2015, 5, 102409-102415.	1.7	17

#	ARTICLE	IF	CITATIONS
19	Continuous-Flow Synthesis of Propylene Carbonate: An Important Intermediate in the Synthesis of Tenofovir. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 2931-2938.	1.2	17
20	Lipase-catalyzed synthesis of secondary glucose esters under continuous flow conditions. <i>European Journal of Lipid Science and Technology</i> , 2013, 115, 464-467.	1.0	15
21	Biocatalyzed Acetins Production under Continuous-Flow Conditions: Valorization of Glycerol Derived from Biodiesel Industry. <i>Journal of Flow Chemistry</i> , 2013, 3, 41-45.	1.2	13
22	An efficient green protocol for the preparation of acetoacetamides and application of the methodology to a one-pot synthesis of Biginelli dihydropyrimidines. Expansion of dihydropyrimidine topological chemical space. <i>RSC Advances</i> , 2015, 5, 70915-70928.	1.7	13
23	Catalyst free decarboxylative trichloromethylation of aldimines. <i>RSC Advances</i> , 2016, 6, 108530-108537.	1.7	13
24	Continuous-Flow Sequential Schotten-Baumann Carbamoylation and Acetate Hydrolysis in the Synthesis of Capecitabine. <i>Organic Process Research and Development</i> , 2019, 23, 2516-2520.	1.3	12
25	Process Intensification for Obtaining a Cannabidiol Intermediate by Photo-oxygenation of Limonene under Continuous-Flow Conditions. <i>Organic Process Research and Development</i> , 2020, 24, 2017-2024.	1.3	12
26	Three-Step Chemo Enzymatic Continuous-Flow Cascade Synthesis of 1-Monoacylglycerol. <i>Journal of Flow Chemistry</i> , 2013, 3, 122-126.	1.2	10
27	Studies on the dynamic resolution of Crizotinib intermediate. <i>Bioorganic and Medicinal Chemistry</i> , 2018, 26, 1333-1337.	1.4	10
28	Regioselective Acylation of Levoglucosan Catalyzed by <i>Candida Antarctica</i> (CaLB) Lipase Immobilized on Epoxy Resin. <i>Sustainability</i> , 2019, 11, 6044.	1.6	8
29	Continuous flow synthesis of the lamivudine precursor L-Menthyl Glyoxylate. <i>Journal of Flow Chemistry</i> , 2022, 12, 59-69.	1.2	1
30	Three Step Chemo Enzymatic Continuous Flow Cascade Synthesis of 1-Monoacylglycerol.. , 0, , .		0