

Rodrigo O M Alves De Souza

List of Publications by Year in descending order

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83
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2,325
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212478

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274796

44
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all docs

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docs citations

95
times ranked

3016
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Continuous flow synthesis of the lamivudine precursor L-Menthyl Glyoxylate. <i>Journal of Flow Chemistry</i> , 2022, 12, 59-69. | 1.2 | 1 |
| 2 | Computer Modeling Explains the Structural Reasons for the Difference in Reactivity of Amine Transaminases Regarding Prochiral Methylketones. <i>International Journal of Molecular Sciences</i> , 2022, 23, 777. | 1.8 | 2 |
| 3 | Lipase-catalyzed acylation of levoglucosan in continuous flow: antibacterial and biosurfactant studies. <i>RSC Advances</i> , 2022, 12, 3027-3035. | 1.7 | 7 |
| 4 | Continuous-flow CvFAP photodecarboxylation of palmitic acid under environmentally friendly conditions. <i>Molecular Catalysis</i> , 2022, 528, 112469. | 1.0 | 7 |
| 5 | Cannabidiol Discovery and Synthesisâ€”a Targetâ€”Oriented Analysis in Drug Production Processes. <i>Chemistry - A European Journal</i> , 2021, 27, 5577-5600. | 1.7 | 9 |
| 6 | Frontispiece: Cannabidiol Discovery and Synthesisâ€”a Targetâ€”Oriented Analysis in Drug Production Processes. <i>Chemistry - A European Journal</i> , 2021, 27, . | 1.7 | 1 |
| 7 | Multicatalytic Hybrid Materials for Biocatalytic and Chemoenzymatic Cascadesâ€”Strategies for Multicatalyst (Enzyme) Co-Immobilization. <i>Catalysts</i> , 2021, 11, 936. | 1.6 | 13 |
| 8 | Lipases of Endophytic Fungi <i>Stemphylium lycopersici</i> and <i>Sordaria</i> sp.: Application in the synthesis of solketal derived Monoacylglycerols. <i>Enzyme and Microbial Technology</i> , 2020, 142, 109664. | 1.6 | 12 |
| 9 | Synthesis and characterization of a magnetic hybrid catalyst containing lipase and palladium and its application on the dynamic kinetic resolution of amines. <i>Molecular Catalysis</i> , 2020, 493, 111106. | 1.0 | 9 |
| 10 | Enzyme Immobilization in Covalent Organic Frameworks: Strategies and Applications in Biocatalysis. <i>ChemPlusChem</i> , 2020, 85, 2051-2066. | 1.3 | 37 |
| 11 | 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 |
| 12 | Levoglucosan: a promising platform molecule?. <i>Green Chemistry</i> , 2020, 22, 5859-5880. | 4.6 | 109 |
| 13 | Two step continuous-flow synthesis of benzocaine. <i>Journal of Flow Chemistry</i> , 2020, 10, 563-569. | 1.2 | 10 |
| 14 | Studies on the laccases catalyzed oxidation of norbelladine like acetamides. <i>Molecular Catalysis</i> , 2020, 485, 110788. | 1.0 | 4 |
| 15 | Continuous-flow synthesis of dimethyl fumarate: a powerful small molecule for the treatment of psoriasis and multiple sclerosis. <i>RSC Advances</i> , 2020, 10, 2490-2494. | 1.7 | 16 |
| 16 | Continuous-Flow Sequential Schottenâ€”Baumann Carbamoylation and Acetate Hydrolysis in the Synthesis of Capecitabine. <i>Organic Process Research and Development</i> , 2019, 23, 2516-2520. | 1.3 | 12 |
| 17 | Enzymeâ€”Decorated Covalent Organic Frameworks as Nanoporous Platforms for Heterogeneous Biocatalysis. <i>Chemistry - A European Journal</i> , 2019, 25, 15863-15870. | 1.7 | 37 |
| 18 | Continuous-flow protocol for the synthesis of enantiomerically pure intermediates of anti epilepsy and anti tuberculosis active pharmaceutical ingredients. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 1552-1557. | 1.5 | 15 |

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|----|--|-----|-----------|
| 19 | Regioselective Acylation of Levoglucosan Catalyzed by Candida Antarctica (CaLB) Lipase Immobilized on Epoxy Resin. Sustainability, 2019, 11, 6044. | 1.6 | 8 |
| 20 | Enhanced Productivity in Glycerol Carbonate Synthesis under Continuous Flow Conditions: Combination of Immobilized Lipases from Porcine Pancreas and <i>Candida antarctica</i> (CALB) on Epoxy Resins. ACS Omega, 2019, 4, 860-869. | 1.6 | 30 |
| 21 | Biocatalytic Cascade Reaction for the Asymmetric Synthesis of L- and D-Homoalanine. ChemCatChem, 2019, 11, 407-411. | 1.8 | 21 |
| 22 | Continuous-Flow Synthesis of (R)-Propylene Carbonate: An Important Intermediate in the Synthesis of Tenofovir. European Journal of Organic Chemistry, 2018, 2018, 2931-2938. | 1.2 | 17 |
| 23 | Continuous-Flow Chemo and Enzymatic Synthesis of Monoterpenic Esters with Integrated Purification. Molecular Catalysis, 2018, 453, 39-46. | 1.0 | 19 |
| 24 | Synthetic Strategies toward SGLT2 Inhibitors. Organic Process Research and Development, 2018, 22, 467-488. | 1.3 | 52 |
| 25 | Lipase-catalysed esters synthesis of cafestol and kahweol. Food Chemistry, 2018, 259, 226-233. | 4.2 | 10 |
| 26 | Studies on the dynamic resolution of Crizotinib intermediate. Bioorganic and Medicinal Chemistry, 2018, 26, 1333-1337. | 1.4 | 10 |
| 27 | PEG600-carboxylates as acylating agents for the continuous enzymatic kinetic resolution of alcohols and amines. Molecular Catalysis, 2018, 459, 89-96. | 1.0 | 10 |
| 28 | Combination of the Suzuki-Miyaura Cross-Coupling Reaction with Engineered Transaminases. Chemistry - A European Journal, 2018, 24, 16009-16013. | 1.7 | 45 |
| 29 | Impact of continuous flow chemistry in the synthesis of natural products and active pharmaceutical ingredients. Anais Da Academia Brasileira De Ciencias, 2018, 90, 1131-1174. | 0.3 | 46 |
| 30 | 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. Reaction Chemistry and Engineering, 2017, 2, 375-381. | 1.9 | 22 |
| 31 | A Retrosynthesis Approach for Biocatalysis in Organic Synthesis. Chemistry - A European Journal, 2017, 23, 12040-12063. | 1.7 | 171 |
| 32 | Flow processing as a tool for API production in developing economies. Journal of Flow Chemistry, 2017, 7, 146-150. | 1.2 | 20 |
| 33 | Frontispiece: A Retrosynthesis Approach for Biocatalysis in Organic Synthesis. Chemistry - A European Journal, 2017, 23, . | 1.7 | 0 |
| 34 | Synthesis of Mepivacaine and Its Analogues by a Continuous-Flow Tandem Hydrogenation/Reductive Amination Strategy. European Journal of Organic Chemistry, 2017, 2017, 6511-6517. | 1.2 | 27 |
| 35 | Nanoencapsulated Lecitase Ultra and Thermomyces lanuginosus Lipase, a Comparative Structural Study. Langmuir, 2016, 32, 6746-6756. | 1.6 | 10 |
| 36 | Consecutive lipase immobilization and glycerol carbonate production under continuous-flow conditions. Catalysis Science and Technology, 2016, 6, 4743-4748. | 2.1 | 31 |

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|----|--|-----|-----------|
| 37 | Cellulose as an efficient matrix for lipase and transaminase immobilization. RSC Advances, 2016, 6, 6665-6671. | 1.7 | 35 |
| 38 | Sporopollenin as an efficient green support for covalent immobilization of a lipase. Catalysis Science and Technology, 2015, 5, 3130-3136. | 2.1 | 15 |
| 39 | The Biginelli reaction under batch and continuous flow conditions: catalysis, mechanism and antitumoral activity. RSC Advances, 2015, 5, 48506-48515. | 1.7 | 51 |
| 40 | Process Intensified Flow Synthesis of 1 <i>H</i> -4-Substituted Imidazoles: Toward the Continuous Production of Daclatasvir. ACS Sustainable Chemistry and Engineering, 2015, 3, 3445-3453. | 3.2 | 37 |
| 41 | New approaches on the analyses of thermolabile coffee diterpenes by gas chromatography and its relationship with cup quality. Talanta, 2015, 139, 159-166. | 2.9 | 39 |
| 42 | Recent Advances in Applied Biocatalysis and Biotechnology. Biotechnology Advances, 2015, 33, 371. | 6.0 | 3 |
| 43 | Antimycobacterial and Anti-Inflammatory Activities of Substituted Chalcones Focusing on an Anti-Tuberculosis Dual Treatment Approach. Molecules, 2015, 20, 8072-8093. | 1.7 | 44 |
| 44 | Lipase immobilized in microemulsion based organogels (MBGs) as an efficient catalyst for continuous-flow esterification of protected fructose. RSC Advances, 2015, 5, 37287-37291. | 1.7 | 13 |
| 45 | Process intensification for tertiary amine catalyzed glycerol carbonate production: translating microwave irradiation to a continuous-flow process. RSC Advances, 2015, 5, 20945-20950. | 1.7 | 28 |
| 46 | Lipases: Valuable catalysts for dynamic kinetic resolutions. Biotechnology Advances, 2015, 33, 372-393. | 6.0 | 176 |
| 47 | 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. RSC Advances, 2015, 5, 70915-70928. | 1.7 | 13 |
| 48 | Lipase immobilization towards improved productivity on kinetic resolutions by a continuous-flow process. RSC Advances, 2015, 5, 102409-102415. | 1.7 | 17 |
| 49 | Novel nanoparticle/enzyme biosilicified nanohybrids for advanced heterogeneously catalyzed protocols. Catalysis Science and Technology, 2015, 5, 1840-1846. | 2.1 | 13 |
| 50 | Bio(chemo)technological strategies for biomass conversion into bioethanol and key carboxylic acids. Green Chemistry, 2014, 16, 2386. | 4.6 | 62 |
| 51 | Continuous Flow Synthesis of α -Halo Ketones: Essential Building Blocks of Antiretroviral Agents. Journal of Organic Chemistry, 2014, 79, 1555-1562. | 1.7 | 92 |
| 52 | Continuous flow whole cell bioreduction of fluorinated acetophenone. Tetrahedron, 2014, 70, 3239-3242. | 1.0 | 15 |
| 53 | Ammonium formate as a green hydrogen source for clean semi-continuous enzymatic dynamic kinetic resolution of (+)-1-methylbenzylamine. RSC Advances, 2014, 4, 13620-13625. | 1.7 | 18 |
| 54 | The Multicomponent Hantzsch Reaction: Comprehensive Mass Spectrometry Monitoring Using Charge-Tagged Reagents. Chemistry - A European Journal, 2014, 20, 12808-12816. | 1.7 | 45 |

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|----|--|-----|-----------|
| 55 | Active Pharmaceutical Ingredients for Antiretroviral Treatment in Low- and Middle-Income Countries: A Survey. <i>Antiviral Therapy</i> , 2014, 19, 15-29. | 0.6 | 21 |
| 56 | 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 |
| 57 | Continuous flow valorization of fatty acid waste using silica-immobilized lipases. <i>Green Chemistry</i> , 2013, 15, 518. | 4.6 | 32 |
| 58 | Towards a continuous flow environment for lipase-catalyzed reactions. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2013, 85-86, 1-9. | 1.8 | 66 |
| 59 | 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 |
| 60 | Whole Cells in Enantioselective Reduction of tert-Butyl Acetoacetate. <i>Synthetic Communications</i> , 2013, 43, 1611-1618. | 1.1 | 6 |
| 61 | Ethyl acetate as an acyl donor in the continuous flow kinetic resolution of (R)-1-phenylethylamine catalyzed by lipases. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 3332. | 1.5 | 23 |
| 62 | 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 |
| 63 | Lipase-catalyzed esterification of steric hindered fructose derivative by continuous flow and batch conditions. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2013, 85-86, 37-42. | 1.8 | 27 |
| 64 | Kinetic resolution of a precursor for myo-inositol phosphates under continuous flow conditions. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2013, 87, 139-143. | 1.8 | 22 |
| 65 | Three-Step Chemo Enzymatic Continuous-Flow Cascade Synthesis of 1-Monoacylglycerol. <i>Journal of Flow Chemistry</i> , 2013, 3, 122-126. | 1.2 | 10 |
| 66 | On the mechanism of the Dakin-West reaction. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 9013. | 1.5 | 11 |
| 67 | Lipase-Catalyzed Monostearin Synthesis under Continuous Flow Conditions. <i>Organic Process Research and Development</i> , 2012, 16, 1098-1101. | 1.3 | 41 |
| 68 | Kinetic Modeling of Solvent-Free Lipase-Catalyzed Partial Hydrolysis of Palm Oil. <i>Applied Biochemistry and Biotechnology</i> , 2012, 168, 1121-1142. | 1.4 | 16 |
| 69 | ¹³ C NMR quantification of mono and diacylglycerols obtained through the solvent-free lipase-catalyzed esterification of saturated fatty acids. <i>Magnetic Resonance in Chemistry</i> , 2012, 50, 424-428. | 1.1 | 12 |
| 70 | 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 |
| 71 | Thermal effect on the microwave assisted biodiesel synthesis catalyzed by lipases. <i>Journal of the Brazilian Chemical Society</i> , 2011, 22, 1993-1998. | 0.6 | 19 |
| 72 | Highly enantioselective bioreduction of 4-bromoacetophenone. <i>Tetrahedron: Asymmetry</i> , 2011, 22, 1763-1766. | 1.8 | 10 |

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|----|--|-----|-----------|
| 73 | Highly enantioselective bioreduction of ethyl 3-oxohexanoate. <i>Tetrahedron Letters</i> , 2011, 52, 6127-6129. | 0.7 | 11 |
| 74 | Diacylglycerol synthesis by lipase-catalyzed partial hydrolysis of palm oil under microwave irradiation and continuous flow conditions. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2011, 72, 36-39. | 1.8 | 23 |
| 75 | TBCA mediated microwave-assisted Hofmann rearrangement. <i>Tetrahedron Letters</i> , 2011, 52, 1639-1640. | 0.7 | 11 |
| 76 | Lipase-catalyzed diacylglycerol production under sonochemical irradiation. <i>Ultrasonics Sonochemistry</i> , 2010, 17, 4-6. | 3.8 | 55 |
| 77 | 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 |
| 78 | Michael additions of primary and secondary amines to acrylonitrile catalyzed by lipases. <i>Tetrahedron Letters</i> , 2009, 50, 2017-2018. | 0.7 | 42 |
| 79 | Oxidation of Benzene Catalyzed by 2,2'-Bipyridine and 1,10-Phenanthroline Cu(II) Complexes. <i>Catalysis Letters</i> , 2009, 129, 79-84. | 1.4 | 18 |
| 80 | The Morita-Baylis-Hillman reaction in aqueous-organic solvent system. <i>Tetrahedron Letters</i> , 2008, 49, 5902-5905. | 0.7 | 41 |
| 81 | Copper-Free Sonogashira Reaction Using Gold Nanoparticles Supported on Ce ₂ O ₃ , Nb ₂ O ₅ and SiO ₂ under Microwave Irradiation. <i>Synlett</i> , 2008, 2008, 1777-1780. | 1.0 | 7 |
| 82 | Allenediazonium ions and their protonation chemistry: a DFT study. <i>Organic and Biomolecular Chemistry</i> , 2006, 4, 4444. | 1.5 | 1 |
| 83 | Methodology Development and Validation of Amphotericin B Stability by HPLC-DAD. <i>Journal of the Brazilian Chemical Society</i> , 0, , . | 0.6 | 2 |