

Anderson Rocha

List of Publications by Year in descending order

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Version: 2024-02-01

96
papers

2,899
citations

201575

27
h-index

197736

49
g-index

102
all docs

102
docs citations

102
times ranked

3141
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Going deeper into copy-move forgery detection: Exploring image telltales via multi-scale analysis and voting processes. <i>Journal of Visual Communication and Image Representation</i> , 2015, 29, 16-32. | 1.7 | 178 |
| 2 | Lipases: Valuable catalysts for dynamic kinetic resolutions. <i>Biotechnology Advances</i> , 2015, 33, 372-393. | 6.0 | 176 |
| 3 | Vision of the unseen. <i>ACM Computing Surveys</i> , 2011, 43, 1-42. | 16.1 | 173 |
| 4 | A Retrosynthesis Approach for Biocatalysis in Organic Synthesis. <i>Chemistry - A European Journal</i> , 2017, 23, 12040-12063. | 1.7 | 171 |
| 5 | Authorship Attribution for Social Media Forensics. <i>IEEE Transactions on Information Forensics and Security</i> , 2017, 12, 5-33. | 4.5 | 158 |
| 6 | Video pornography detection through deep learning techniques and motion information. <i>Neurocomputing</i> , 2017, 230, 279-293. | 3.5 | 104 |
| 7 | 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 |
| 8 | Illuminant-Based Transformed Spaces for Image Forensics. <i>IEEE Transactions on Information Forensics and Security</i> , 2016, 11, 720-733. | 4.5 | 75 |
| 9 | 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 |
| 10 | Expanding the toolbox of asymmetric organocatalysis by continuous-flow process. <i>Chemical Communications</i> , 2015, 51, 3708-3722. | 2.2 | 66 |
| 11 | Image Phylogeny by Minimal Spanning Trees. <i>IEEE Transactions on Information Forensics and Security</i> , 2012, 7, 774-788. | 4.5 | 63 |
| 12 | Bio(chemo)technological strategies for biomass conversion into bioethanol and key carboxylic acids. <i>Green Chemistry</i> , 2014, 16, 2386. | 4.6 | 62 |
| 13 | 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 |
| 14 | Laser printer attribution: Exploring new features and beyond. <i>Forensic Science International</i> , 2015, 247, 105-125. | 1.3 | 52 |
| 15 | Synthetic Strategies toward SGLT2 Inhibitors. <i>Organic Process Research and Development</i> , 2018, 22, 467-488. | 1.3 | 52 |
| 16 | Leveraging deep neural networks to fight child pornography in the age of social media. <i>Journal of Visual Communication and Image Representation</i> , 2018, 50, 303-313. | 1.7 | 49 |
| 17 | Data-Driven Feature Characterization Techniques for Laser Printer Attribution. <i>IEEE Transactions on Information Forensics and Security</i> , 2017, 12, 1860-1873. | 4.5 | 45 |
| 18 | Antimycobacterial and Anti-Inflammatory Activities of Substituted Chalcones Focusing on an Anti-Tuberculosis Dual Treatment Approach. <i>Molecules</i> , 2015, 20, 8072-8093. | 1.7 | 44 |

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|----|--|-----|-----------|
| 19 | Pornography classification: The hidden clues in video space-time. <i>Forensic Science International</i> , 2016, 268, 46-61. | 1.3 | 42 |
| 20 | Lipase-Catalyzed Monostearin Synthesis under Continuous Flow Conditions. <i>Organic Process Research and Development</i> , 2012, 16, 1098-1101. | 1.3 | 41 |
| 21 | Functionalization of 2 <i>H</i> -1,2,3-Triazole <i>C</i> -Nucleoside Template via N ² Selective Arylation. <i>Journal of Organic Chemistry</i> , 2016, 81, 4540-4549. | 1.7 | 37 |
| 22 | Cellulose as an efficient matrix for lipase and transaminase immobilization. <i>RSC Advances</i> , 2016, 6, 6665-6671. | 1.7 | 35 |
| 23 | Large-Scale Image Phylogeny: Tracing Image Ancestral Relationships. <i>IEEE MultiMedia</i> , 2013, 20, 58-70. | 1.5 | 32 |
| 24 | Continuous flow valorization of fatty acid waste using silica-immobilized lipases. <i>Green Chemistry</i> , 2013, 15, 518. | 4.6 | 32 |
| 25 | Consecutive lipase immobilization and glycerol carbonate production under continuous-flow conditions. <i>Catalysis Science and Technology</i> , 2016, 6, 4743-4748. | 2.1 | 31 |
| 26 | Toward image phylogeny forests: Automatically recovering semantically similar image relationships. <i>Forensic Science International</i> , 2013, 231, 178-189. | 1.3 | 30 |
| 27 | Identification of Chalcone Derivatives as Inhibitors of <i>Leishmania infantum</i> Arginase and Promising Antileishmanial Agents. <i>Frontiers in Chemistry</i> , 2020, 8, 624678. | 1.8 | 29 |
| 28 | Process intensification for tertiary amine catalyzed glycerol carbonate production: translating microwave irradiation to a continuous-flow process. <i>RSC Advances</i> , 2015, 5, 20945-20950. | 1.7 | 28 |
| 29 | 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 |
| 30 | ($\hat{\pm}$)-cis-(6-Ethyl-tetrahydropyran-2-yl)-formic acid: a novel substance with antinociceptive properties. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2004, 14, 1573-1575. | 1.0 | 26 |
| 31 | Epoxidation of oleic acid catalyzed by PSCI-Amano lipase optimized by experimental design. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2012, 81, 7-11. | 1.8 | 26 |
| 32 | Recent Advances in the Morita-Baylis-Hillman Reaction Under Microwave Irradiation. <i>Mini-Reviews in Organic Chemistry</i> , 2010, 7, 212-220. | 0.6 | 24 |
| 33 | Immobilized lipase screening towards continuous-flow kinetic resolution of ($\hat{\pm}$)-1,2-propanediol. <i>Molecular Catalysis</i> , 2019, 467, 128-134. | 1.0 | 24 |
| 34 | Ethyl acetate as an acyl donor in the continuous flow kinetic resolution of ($\hat{\pm}$)-1-phenylethylamine catalyzed by lipases. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 3332. | 1.5 | 23 |
| 35 | Gasoline from Biomass through Refinery-Friendly Carbohydrate-Based Bio-Oil Produced by Ketalization. <i>ChemSusChem</i> , 2014, 7, 1627-1636. | 3.6 | 23 |
| 36 | Microwave assisted Suzuki reaction in N-butylpyridinium salts/water systems. <i>Tetrahedron Letters</i> , 2011, 52, 4168-4171. | 0.7 | 22 |

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|----|--|-----|-----------|
| 37 | Fatty acids residue from palm oil refining process as feedstock for lipase catalyzed monoacylglycerol production under batch and continuous flow conditions. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2012, 77, 53-58. | 1.8 | 22 |
| 38 | 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 |
| 39 | Kinetics and mechanism of lipase catalyzed monoacylglycerols synthesis. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2013, 96, 34-39. | 1.8 | 22 |
| 40 | Lipase catalyzed ascorbyl palmitate synthesis under microwave irradiation. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2014, 102, 127-131. | 1.8 | 22 |
| 41 | Combined batch and continuous flow procedure to the chemo-enzymatic synthesis of biaryl moiety of Odanacatib. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2014, 104, 101-107. | 1.8 | 21 |
| 42 | 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 |
| 43 | 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 |
| 44 | A Comprehensive Study on the Activity and Deactivation of Immobilized Lecitase Ultra in Esterifications of Food Waste Streams to Monoacylglycerols. <i>ChemSusChem</i> , 2013, 6, 872-879. | 3.6 | 19 |
| 45 | Conformational dissection of <i>Thermomyces lanuginosus</i> lipase in solution. <i>Biophysical Chemistry</i> , 2014, 185, 88-97. | 1.5 | 18 |
| 46 | 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 |
| 47 | Synthesis of C-Ribosyl-1,2,3-triazolyl Carboxamides. <i>Synthesis</i> , 2017, 49, 1993-2002. | 1.2 | 18 |
| 48 | Lipase immobilization towards improved productivity on kinetic resolutions by a continuous-flow process. <i>RSC Advances</i> , 2015, 5, 102409-102415. | 1.7 | 17 |
| 49 | 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 |
| 50 | From Immobilization to Catalyst Use: A Complete Continuous-Flow Approach Towards the Use of Immobilized Organocatalysts. <i>ChemCatChem</i> , 2019, 11, 5553-5561. | 1.8 | 17 |
| 51 | Pd/Nb ₂ O ₅ : efficient supported palladium heterogeneous catalyst in the production of key intermediates for the synthesis of sartans™ via the Suzuki reaction. <i>Tetrahedron Letters</i> , 2012, 53, 1089-1093. | 0.7 | 16 |
| 52 | Unveiling the Chemical Composition of Sugar Cane Biocrudes by Liquid Chromatography–Tandem Mass Spectrometry. <i>Energy & Fuels</i> , 2015, 29, 8082-8087. | 2.5 | 16 |
| 53 | Biohydrocarbons Production under Standard Refinery Conditions by means of a Representative Ketal Compound of Biocrude. <i>Energy Technology</i> , 2017, 5, 428-441. | 1.8 | 16 |
| 54 | A reação de ciclização de prins: uma estratégia eficiente para síntese estereosseletiva de anis tetraidropirínicos substituídos. <i>Química Nova</i> , 2006, 29, 834-839. | 0.3 | 15 |

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|----|---|-----|-----------|
| 55 | Kinetic resolution of 5H-pyrrolo[1,2-a]imidazol-7-ol, 6,7-dihydro under continuous flow conditions: An intermediate for chiral ionic liquids synthesis. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2013, 91, 77-80. | 1.8 | 15 |
| 56 | 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 |
| 57 | Continuous flow whole cell bioreduction of fluorinated acetophenone. <i>Tetrahedron</i> , 2014, 70, 3239-3242. | 1.0 | 15 |
| 58 | Studies on the continuous-flow synthesis of nonpeptidal bis-tetrahydrofuran moiety of Darunavir. <i>Journal of Flow Chemistry</i> , 2015, 5, 216-219. | 1.2 | 15 |
| 59 | Sporopollenin as an efficient green support for covalent immobilization of a lipase. <i>Catalysis Science and Technology</i> , 2015, 5, 3130-3136. | 2.1 | 15 |
| 60 | Insights to Achieve a Better Control of Silicon-Aluminum Ratio and ZSM-5 Zeolite Crystal Morphology through the Assistance of Biomass. <i>Catalysts</i> , 2016, 6, 30. | 1.6 | 15 |
| 61 | 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 |
| 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 | The antinociceptive properties of the novel compound (\hat{A} \pm)-trans-4-hydroxy-6-propyl-1-oxocyclohexan-2-one in acute pain in mice. <i>Behavioural Pharmacology</i> , 2013, 24, 10-19. | 0.8 | 13 |
| 64 | Lipase immobilized in microemulsion based organogels (MBGs) as an efficient catalyst for continuous-flow esterification of protected fructose. <i>RSC Advances</i> , 2015, 5, 37287-37291. | 1.7 | 13 |
| 65 | Antinociceptive action of (\hat{A} \pm)-cis-(6-ethyl-tetrahydropyran-2-yl)-formic acid in mice. <i>European Journal of Pharmacology</i> , 2006, 550, 47-53. | 1.7 | 12 |
| 66 | DoE oriented reaction optimization on the lipase-catalyzed monostearin synthesis. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2011, 72, 313-318. | 1.8 | 12 |
| 67 | 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 |
| 68 | Strategies Towards the Synthesis of N2-Substituted 1,2,3-Triazoles. <i>Anais Da Academia Brasileira De Ciencias</i> , 2019, 91, e20180751. | 0.3 | 12 |
| 69 | 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 |
| 70 | TBCA mediated microwave-assisted Hofmann rearrangement. <i>Tetrahedron Letters</i> , 2011, 52, 1639-1640. | 0.7 | 11 |
| 71 | On the mechanism of the Dakin-West reaction. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 9013. | 1.5 | 11 |
| 72 | Highly enantioselective bioreduction of 4-bromoacetophenone. <i>Tetrahedron: Asymmetry</i> , 2011, 22, 1763-1766. | 1.8 | 10 |

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|----|---|-----|-----------|
| 73 | Three-Step Chemo Enzymatic Continuous-Flow Cascade Synthesis of 1-Monoacylglycerol. <i>Journal of Flow Chemistry</i> , 2013, 3, 122-126. | 1.2 | 10 |
| 74 | 4-Methylbiphenyl-2-carbonitrile synthesis by continuous flow Suzuki-Miyaura reaction. <i>Tetrahedron Letters</i> , 2012, 53, 4166-4168. | 0.7 | 9 |
| 75 | Microemulsion-Based Organogels as an Efficient Support for Lipase-Catalyzed Reactions under Continuous-Flow Conditions. <i>Organic Process Research and Development</i> , 2014, 18, 1372-1376. | 1.3 | 9 |
| 76 | The Dakin-West reaction: Past, present and future. <i>Tetrahedron</i> , 2018, 74, 4359-4371. | 1.0 | 9 |
| 77 | Sugar ketals as a platform molecule to overcome the limitation of converting biomass into green-hydrocarbons in a typical refinery. <i>Sustainable Energy and Fuels</i> , 2020, 4, 1312-1319. | 2.5 | 9 |
| 78 | Cannabidiol Discovery and Synthesis – a Target-Oriented Analysis in Drug Production Processes. <i>Chemistry - A European Journal</i> , 2021, 27, 5577-5600. | 1.7 | 9 |
| 79 | Photochemistry under Continuous Flow Conditions. <i>Revista Virtual De Quimica</i> , 2015, 7, . | 0.1 | 8 |
| 80 | Antinociceptive activity of (S)--(2S,6S)-(6-ethyl-tetrahydropyran-2-yl)-formic acid on acute pain in mice. <i>Behavioural Pharmacology</i> , 2011, 22, 564-572. | 0.8 | 6 |
| 81 | Chemoselective RuO ₄ Oxidation of Phenyl or p-Methoxyphenyl Groups to Carboxylic Acid Functions in the Presence of a Tetrahydropyran Ring. <i>Synthesis</i> , 2004, 2004, 1767-1770. | 1.2 | 5 |
| 82 | Use of <i>Kappaphycus alvarezii</i> Biomass for the Production of Carbohydrate Isopropylidene-Ketal-Based Biocrude. <i>Energy & Fuels</i> , 2017, 31, 9422-9428. | 2.5 | 5 |
| 83 | Development of a L-tryptophan-Based Ligand for Regioselective Copper Catalyzed N ² -Arylation of 1,2,3-Triazoles. <i>ChemistrySelect</i> , 2017, 2, 6544-6548. | 0.7 | 5 |
| 84 | Structural determination Vitex cymosa Bertero active principle: Diastereoselective synthesis of (±)-trans-4-hydroxy-6-propyl-1-oxocyclohexan-2-one and its antinociceptive activity. <i>Bioorganic Chemistry</i> , 2010, 38, 181-185. | 2.0 | 4 |
| 85 | Counteracting the contemporaneous proliferation of digital forgeries and fake news. <i>Anais Da Academia Brasileira De Ciencias</i> , 2019, 91, e20180149. | 0.3 | 4 |
| 86 | Forensic Event Analysis: From Seemingly Unrelated Data to Understanding. <i>IEEE Security and Privacy</i> , 2020, 18, 23-32. | 1.5 | 4 |
| 87 | Studies on the laccases catalyzed oxidation of norbelladine like acetamides. <i>Molecular Catalysis</i> , 2020, 485, 110788. | 1.0 | 4 |
| 88 | Organocatalysis applied to carbohydrates: from roots to current developments. <i>Organic and Biomolecular Chemistry</i> , 2022, 20, 919-933. | 1.5 | 4 |
| 89 | Recent Advances in Applied Biocatalysis and Biotechnology. <i>Biotechnology Advances</i> , 2015, 33, 371. | 6.0 | 3 |
| 90 | First Enantioselective Synthesis of (-)-(2S,6S)-(6-Ethyltetrahydropyran-2-yl)formic Acid. <i>Synlett</i> , 2005, 2005, 0869-0871. | 1.0 | 1 |

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|----|---|-----|-----------|
| 91 | Frontispiece: Cannabidiol Discovery and Synthesisâ€”a Targetâ€Oriented Analysis in Drug Production Processes. Chemistry - A European Journal, 2021, 27, . | 1.7 | 1 |
| 92 | Recent advances in the functionalization of unprotected carbohydrates. Carbohydrate Chemistry, 2021, , 239-304. | 0.3 | 1 |
| 93 | Improving the Toolbox of Bioreductions by the Use of Continuous Flow Systems. Journal of the Brazilian Chemical Society, 2015, , . | 0.6 | 0 |
| 94 | Frontispiece: A Retrosynthesis Approach for Biocatalysis in Organic Synthesis. Chemistry - A European Journal, 2017, 23, . | 1.7 | 0 |
| 95 | Copper catalysis in the synthesis of 1,2,3-triazoles and tetrazoles. , 2021, , 75-113. | | 0 |
| 96 | Continuous Flow Reactions: From Green Chemistry Towards a Green Process. Revista Virtual De Quimica, 2014, 6, . | 0.1 | 0 |