THALESNANO PUBLICATION COLLECTION

LAST UPDATE: 15/06/2022

2022

1. “Fixed Bed Continuous Hydrogenations in Trickle Flow Mode: A Pharmaceutical Industry Perspective; Masson, E. et al.; Org. Process Res. Dev., 2022, Accepted manuscript”
2. "Potentiating N-Hydroxyphthalimide Catalyzed Aerobic Aldehyde Oxidations in Continuous Flow; Kappe, C. O. et al.; Adv. Synth. Catal., 2022, Early view"
3. “Synthesis, antiplasmodial activity and in silico molecular docking study of pinocembrin and its analogs; Melaku, Y. et al.; BMC Chemistry, 2022, 16, 36”
4. "Automated flow and real-time analytics approach for screening functional group tolerance in heterogeneous catalytic reactions; Simon, K. et al.; Catal. Sci. Technol., 2022, 12, 1799-1811"
5. "Copper-zinc oxide interface as a methanol-selective structure in Cu-ZnO catalyst during catalytic hydrogenation of carbon dioxide to methanol; Saedy, S. et al.; Catal. Sci. Technol., 2022, 12, 2703-2716"
6. "Scalable continuous flow hydrogenations using Pd/Al2O3-coated rectangular cross-section 3D-printed static mixers; Lebl, R. et al.; Catalysis Today, 2022, 383, 55-63"
7. "Co Loading Adjustment for the Effective Obtention of a Sedative Drug Precursor through Efficient Continuous-Flow Chemoselective Hydrogenation of 2-Methyl-2-Pentenal; Fernandez-Ropero, A. J. et al.; Catalysts, 2022, 12, 19"
8. "Recent Developments for the Deuterium and Tritium Labeling of Organic Molecules; Kopf, S. et al.; Chem. Rev., 2022, 122, 6634-6718"
9. "Technological Innovations in Photochemistry for Organic Synthesis: Flow Chemistry, High-Throughput Experimentation, Scale-up, and Photoelectrochemistry; Buglioni, L. et al.; Chem. Rev., 2022, 122, 2752-2906"
10. "Thermochemiluminescence-Based Sensitive Probes: Synthesis and Photophysical Characterization of Acridine-Containing 1,2-Dioxetanes Focusing on Fluorophore Push-Pull Effects; Moroni, G. et al.; ChemPhotoChem, 2022, 6(1), e202100152"

11. "Design and development of photoswitchable DFG-Out RET kinase inhibitors; Grotli, M. et al.; Eur. J. Med. Chem., 2022, 234, 114226"
12. "Electrochemical Hydroxylation of Electron-Rich Arenes in Continuous Flow; Kooli, A et al.; Eur. J. Org. Chem., 2022, 20, e202200011"
13. "Out-smarting smart drug modafinil through flow chemistry; Silva-Brenes, D. V. et al.; Green Chemistry, 2022, 24, 2094-2103"
14. "Selective hydrodeoxygenation of acetophenone derivatives using a Fe25Ru75@SILP catalyst: a practical approach to the synthesis of alkyl phenols and anilines; Goclik, L. et al.; Green Chemistry, 2022, 24, 2937"
15. "Prediction of Optimal Conditions of Hydrogenation Reaction Using the Likelihood Ranking Approach; Afonina, V. A. et al.; Int. J. Mol. Sci., 2022, 23, 248"
16. "Understanding flow chemistry for the production of active pharmaceutical ingredients; Luque, R. et al.; iScience, 2022, 25, 103892"
17. "A multi-step continuous flow synthesis of pomalidomide; Ivanova, M. et al.; J. Flow Chem., 2022, https://doi.org/10.1007/s41981-022-00223-3"
18. "Investigation of Janus Kinase (JAK) Inhibitors for Lung Delivery and the Importance of Aldehyde Oxidase Metabolism; Baldwin, I. R. et al.; J. Med. Chem., 2022, 65, 1, 633-664"
19. "Parallel Optimization of Potency and Pharmacokinetics Leading to the Discovery of a Pyrrole Carboxamide ERK5 Kinase Domain Inhibitor; Miller, D. C. et al.; J. Med. Chem., 2022, 65, 9, 6513-6540"
20. "Synthesis of 2,6-Dimethyltyrosine-Like Amino Acids through Pinacolinamide-Enabled C-H Dimethylation of 4-Dibenzylamino Phenylalanine; Illuminati, D. et al.; J. Org. Chem., 2022, 87, 5, 2580-2589"
21. "Reactivation of catalysts for methanol-to-hydrocarbons conversion with hydrogen; Paunovic, V. et al.; Journal of Catalysis, 2022, 407, 54-64"
22. "Continuous flow Reductive Alkylation of Methanol by Aldehydes. Synthesis of O-Methyl Ethers and 1,1-Dimethoxyacetals; Radjagobalou, R. et al.; Mol. Cat., 2022, 524, 112321"
23. "Effects of Regioisomerism on the Antiproliferative Activity of Hydroxystearic Acids on Human Cancer Cell Lines; Boga, C. et al.; Molecules, 2022, 27, 2396"
24. "A flow-based transition-metal-catalysed hydrogenolysis strategy to facilitate peptide side-chain deprotection; Menti-Platten, M. et al.; Org. Biomol. Chem., 2022, 20, 106-112"
25. "Synthesis of 12β-methyl-18-nor-avicholic acid analogues as potential TGR5 agonists; Ure, E. M. et al.; Org. Biomol. Chem., 2022, 20, 3511-3527"
26. "Intensified Continuous Flow Michaelis-Arbuzov Rearrangement toward Alkyl Phosphonates; Toupy, T. et al.; Org. Process Res. Dev., 2022, 26, 2, 467-478"
27. "Multigram Synthesis of Tetrasubstituted Dihydrobenzofuran GSK973 Enabled by High-Throughput Experimentation and a Claisen Rearrangement in Flow; Gray, M. et al.; Org. Process Res. Dev., 2022, 26, 2, 365-379"

28. "Using Oxygen as the Primary Oxidant in a Continuous Process: Application to the Development of an Efficient Route to AZD4635; Karlsson, S. et al.; Org. Process Res. Dev., 2022, 26, 4, 1048-1053"

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31. "Synthesis of 12β-Methyl-18-nor-bile Acids; Luxenburger, A. et al.; ACS Omega, 2021, 6, 38, 25019-25039"

32. "A comprehensive review of flow chemistry techniques tailored to the flavours and fragrances industries; Gambarcorta, G. et al.; Beilstein J. Org. Chem., 2021, 17, 1181-1312"

33. "Investigation of the effect of different linker chemotypes on the inhibition of histone deacetylases (HDACs); Linciano, P. et al.; Bioorg. Chem., 2021, 106, 104462"

34. "Discovery of potent and selective reversible Bruton's tyrosine kinase inhibitors; Qiu, H. et al.; Bioorg. Med. Chem., 2021, 40, 116163"

35. "Synthesis and structure-activity relationship studies of 2,4-thiazolidinediones and analogous heterocycles as inhibitors of dihydrodipicolinate synthase; Christoff, R. M. et al.; Bioorg. Med. Chem., 2021, 52, 116518"

36. "Continuous flow study of isoeugenol to vanillin: A bio-based iron oxide catalyst; Filiciotto, L. et al.; Catalysis Today, 2021, 368, 281-290"

37. "Selective continuous flow phenylacetylene hydrogenation over Pd-biogenic calcium carbonate; Chaparro, S. et al.; Catalysis Today, 2021, 368, 181-186"

38. "Mechanochemical Synthesis of Nickel-Modified Metal-Organic Frameworks for Reduction Reactions; Gomez-Lopez, P. et al.; Catalysts, 2021, 11, 526"

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44. "Functional Group Interconversion Reactions in Continuous Flow Reactors; Leslie, A. et al.; Curr. Org. Chem., 2021, 25, 19, 2217-2231"

45. "Heterogeneous Palladium Catalysts in the Hydrogenation of the Carbon-carbon Double Bond; Grabovskii, S. A. et al.; Curr. Org. Chem., 2021, 25, 2, 315-329"

46. "Total chemical synthesis of PSMA-11: API for ^{68}Ga-PSMA-11 used for prostate cancer diagnosis; Kumar, K. S. A. et al.; Eur. J. Med. Chem., 2021, 3, 100014"

47. "Boosting the Productivity of H2-Driven Biocatalysis in a Commercial Hydrogenation Flow Reactor Using H2 From Water Electrolysis; Poznansky, B. et al.; Front. Chem. Eng., 2021, 3, 718257"

48. "Modeling, Synthesis, and Biological Evaluation of Potential Retinoid-X-Receptor (RXR) Selective Agonists: Analogs of 4-[1-(3,5,5,8,8-Pentamethyl-5,6,7,8-tetrahyro-2-naphthyl)ethynyl]benzoic Acid (Bexarotene) and 6-(Ethyl(4-isobutoxy-3-isopropylphenyl)amino)nicotinic Acid (NEt-4IB); Jurutka, P. W. et al.; Int. J. Mol. Sci., 2021, 22, 12371"

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53. "Triflic Acid-Catalyzed Synthesis of Indole-Substituted Indane Derivatives via In Situ Formed Acetal-Facilitated Nucleophilic Addition and 4π-Electron-5-Carbon Electrocyclization Sequence; Ramesh, G. et al.; J. Org. Chem., 2021, 86, 23, 16278-16292"

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