

THALESNANO PUBLICATION COLLECTION

LAST UPDATE: 17/08/2022

2022

1. Potentiating N-Hydroxyphthalimide Catalyzed Aerobic Aldehyde Oxidations in Continuous Flow; Kappe, C. O. et al.; *Adv. Synth. Catal.*, 2022, Early view
2. Synthesis of Chalcones Derivatives and Their Biological Activities: A Review; Elkanzi, N. A. A. et al.; *ACS Omega*, 2022, 7, 27769-27786
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. Selective Hydrogenation of 5-Acetoxymethylfurfural over Cu-Based Catalysts in a Flow Reactor: Effect of Cu-Al Layered Double Hydroxides Synthesis Conditions on Catalytic Properties; Bukhtiyarova, M. V. et al.; *Catalysts*, 2022, 12, 878
9. Recent Developments for the Deuterium and Tritium Labeling of Organic Molecules; Kopf, S. et al.; *Chem. Rev.*, 2022, 122, 6634-6718
10. 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

11. 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
12. Tuning the Selectivity of the Hydrogenation/Hydrogenolysis of 5-Hydroxymethylfurfural under Batch Multiphase and Continuous-Flow Conditions; Rodriguez-Padron, D. et al.; *ChemSusChem*, 2022, 15(13), e202200503
13. Electrochemical Hydroxylation of Electron-Rich Arenes in Continuous Flow; Kooli, A et al.; *Eur. J. Org. Chem.*, 2022, 20, e202200011
14. Out-smarting smart drug modafinil through flow chemistry; Silva-Brenes, D. V. et al.; *Green Chemistry*, 2022, 24, 2094-2103
15. 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
16. Flow chemistry in the multi-step synthesis of natural products; Wan, L. et al.; *Green Synth. Catal.*, 2022, Advance article
17. Prediction of Optimal Conditions of Hydrogenation Reaction Using the Likelihood Ranking Approach; Afonina, V. A. et al.; *Int. J. Mol. Sci.*, 2022, 23, 248
18. Understanding flow chemistry for the production of active pharmaceutical ingredients; Luque, R. et al.; *iScience*, 2022, 25, 103892
19. 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>
20. 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
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22. Identification of a Potent, Selective, and Brain-Penetrant Rho Kinase Inhibitor and its Activity in a Mouse Model of Huntington's Disease; Ladduwahetty, T. et al.; *J. Med. Chem.*, 2022, 65, 14, 9819-9845
23. Build–Couple–Transform: A Paradigm for Lead-like Library Synthesis with Scaffold Diversity; Uguen, M. et al.; *J. Med. Chem.*, 2022, Advance article
24. 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
25. Reactivation of catalysts for methanol-to-hydrocarbons conversion with hydrogen; Paunovic, V. et al.; *Journal of Catalysis*, 2022, 407, 54-64
26. 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

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31. Intensified Continuous Flow Michaelis-Arbuzov Rearrangement toward Alkyl Phosphonates; Toupay, T. et al.; *Org. Process Res. Dev.*, 2022, 26, 2, 467-478
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35. Asymmetric Synthesis of γ -Amino-Functionalised Vinyl Sulfones: De Novo Preparation of Cysteine Protease Inhibitors; Shen, W. et al.; *Synthesis*, 2022, 54, 7, 1753-1764
36. Flow Hydrogenation of 1,3,5-Trinitrobenzenes over Cu-Based Catalysts as an Efficient Approach for the Preparation of Phloroglucinol Derivatives; Shchurova, I. A. et al.; *Synthesis*, 2022, <https://doi.org/10.1055/a-1807-3188>
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45. Discovery of potent and selective reversible Bruton's tyrosine kinase inhibitors; Qiu, H. et al.; *Bioorg. Med. Chem.*, 2021, 40, 116163
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50. Selective continuous flow phenylacetylene hydrogenation over Pd-biogenic calcium carbonate; Chaparro, S. et al.; *Catalysis Today*, 2021, 368, 181-186
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57. Precursor Nuclearity and Ligand Effects in Atomically-Dispersed Heterogeneous Iron Catalysts for Alkyne Semi-Hydrogenation; Faust Akl, D. et al.; *ChemCatChem*, 2021, 13(14), 3247-3256

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