

Peer-Reviewed Publications Citing Vapourtec

2021

Total publications at 30/06/21: 736
Year total at 30/06/21: 44

- [736] N. Amri and T. Wirth, "Flow Electrosynthesis of Sulfoxides, Sulfones, and Sulfoximines without Supporting Electrolytes," *The Journal of organic chemistry*, 2021.
- [735] J. Baker, C. Russell, J. Gilbert, A. McCluskey and J. Sakoff, "Amino alcohol acrylonitriles as broad spectrum and tumour selective cytotoxic agents," *RSC Medicinal Chemistry*, 2021.
- [734] Z. Bao, J. Luo, Y. Wang, T. Hu, S. Tsai, Y. Tsai, H. Wang, F. Chen, Y. Lee, T. Tsai, R. Chung and R. Liu, "Microfluidic synthesis of CsPbBr₃/Cs₄PbBr₆ nanocrystals for inkjet printing of mini-LEDs," *Chemical Engineering Journal*, vol. 426, p. 130849, 2021.
- [732] M. Baumann, C. Bracken and A. Batsanov, "Development of a Continuous Photochemical Benzyne-Forming Process," *SynOpen*, vol. 05, no. 01, pp. 29-35, 2021.
- [731] M. Baumann, T. Moody, M. Smyth and S. Wharry, "Interrupted Curtius Rearrangements of Quaternary Proline Derivatives: A Flow Route to Acyclic Ketones and Unsaturated Pyrrolidines," *The Journal of organic chemistry*, 2021.
- [730] A. Benítez-Mateos, M. Contente, D. Roura Padrosa and F. Paradisi, "Flow biocatalysis 101: design, development and applications," *Reaction Chemistry & Engineering*, 2021.
- [729] F. Dedè, O. Piccolo and D. Vigo, "Dimethyl Fumarate: Heterogeneous Catalysis for the Development of an Innovative Flow Synthesis," *Organic Process Research & Development*, vol. 25, no. 2, pp. 292-299, 2021.
- [728] L. Dell'Amico, T. Duhail, T. Bortolato, J. Mateos, E. Anselmi, B. Jelier, A. Togni, E. Magnier and G. Dagousset, "Radical alpha-Trifluoromethoxylation of Ketones by Means of Organic Photoredox Catalysis," *ChemRxiv*, 2021.
- [727] K. Donnelly and M. Baumann, "A continuous flow synthesis of [1.1.1]propellane and bicyclo[1.1.1]pentane derivatives," *Chemical communications (Cambridge, England)*, vol. 57, no. 23, pp. 2871-2874, 2021.
- [726] K. Donnelly and M. Baumann, "Scalability of photochemical reactions in continuous flow mode," *Journal of Flow Chemistry*, 2021.
- [725] J. Duan, G. Xu, B. Rong, H. Yan, S. Zhang, Q. Wu, N. Zhu and K. Guo, "Iron-catalyzed [4 + 2] annulation of α,β -unsaturated ketoxime acetates with enaminones toward functionalized pyridines," *Green Synthesis and Catalysis*, 2021.
- [724] J. García-Lacuna, T. Fleiß, R. Munday, K. Leslie, A. O'Kearney-McMullan, C. Hone and C. Kappe, "Synthesis of the Lipophilic Amine Tail of Abediterol Enabled by Multiphase Flow Transformations," *Organic Process Research & Development*, 2021.

- [723] M. González-Esguevillas, D. Fernández, J. Rincón, M. Barberis, O. de Frutos, C. Mateos, S. García-Cerrada, J. Agejas and D. MacMillan, "Rapid Optimization of Photoredox Reactions for Continuous-Flow Systems Using Microscale Batch Technology," *ACS Central Science*, 2021.
- [722] K. Grollier, A. De Zordo-Banliat, F. Bourdreux, B. Pegot, G. Dagousset, E. Magnier and T. Billard, "(Trifluoromethylselenyl)methylchalcogenyl as Emerging Fluorinated Groups: Synthesis under Photoredox Catalysis and Determination of the Lipophilicity," *Chemistry (Weinheim an der Bergstrasse, Germany)*, vol. 27, no. 19, pp. 6028-6033, 2021.
- [721] M. Guidi, "An automated platform for multistep synthesis based on a new paradigm for combining flow modules," *Thesis*, 2021.
- [720] M. Guidi, S. Moon, L. Anghileri, D. Cambié, P. Seeberger and K. Gilmore, "Combining radial and continuous flow synthesis to optimize and scale-up the production of medicines," *Reaction Chemistry & Engineering*, vol. 6, pp. 220-224, 2021.
- [719] Q. Han, X. Zhou, X. He and H. Ji, "Mechanism and kinetics of the aerobic oxidation of benzyl alcohol to benzaldehyde catalyzed by cobalt porphyrin in a membrane microchannel reactor," *Chemical Engineering Science*, vol. 245, p. 116847, 2021.
- [718] W. He, C. Zhang, W. Zhang, Y. Zhu, Z. Fang, L. Zhao and K. Guo, "The integration of catalyst design and process intensification in the efficient synthesis of 5-hydroxymethyl-2-furancarboxylic acid from fructose," *Chemical Engineering Science*, vol. 245, p. 116858, 2021.
- [717] M. Hosoya, G. Shiino and N. Tsuno, "A Practical Transferring Method from Batch to Flow Synthesis of Dipeptides via Acid Chloride Assisted by Simulation of the Reaction Rate," *Chemistry Letters*, 2021.
- [716] G. Ignacz and G. Szekely, "6 Continuous microflow processes," *Sustainable Process Engineering*, pp. 95-116, 2021.
- [715] J. Kestemont, J. Frost, J. Jacq, P. Pasau, F. Perl, J. Brown and M. Tissot, "Scale-Up and Optimization of a Continuous Flow Carboxylation of N-Boc-4,4-difluoropiperidine Using s-BuLi in THF," *Organic Process Research & Development*, 2021.
- [714] A. Leslie, T. Moody, M. Smyth, S. Wharry and M. Baumann, "Coupling biocatalysis with high-energy flow reactions for the synthesis of carbamates and β -amino acid derivatives," *Beilstein Journal of Organic Chemistry*, vol. 17, pp. 379-384, 2021.
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- [710] S. Nabil, A. Hammad, H. El-Bery, E. Shalaby and A. El-Shazly, "The CO₂ photoconversion over reduced graphene oxide based on Ag/TiO₂ photocatalyst in an advanced meso-scale

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- [708] P. Nichols, "Automated and enabling technologies for medicinal chemistry," *Progress in medicinal chemistry*, vol. 60, pp. 191-272, 2021.
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- [701] E. Skrotzki, J. Vandavasi and S. Newman, "Ozone-Mediated Amine Oxidation and Beyond: A Solvent Free, Flow-Chemistry Approach," *ChemRxiv*, 2021.
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