

Photochemistry Publications Citing Vapourtec

2021

Total as of July 2021: 121

- [121] A. Zhakeyev, M. Jones, C. Thomson, J. Tobin, H. Wang, F. Vilela and J. Xuan, "Additive manufacturing of intricate and inherently photocatalytic flow reactor components," *Additive Manufacturing*, 2021.
- [120] 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.
- [119] 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 continuous-flow photochemical reactor," *Environmental science and pollution research international*, 2021.
- [118] M. Van De Walle, "Continuous photoflow for macromolecular design," *Queensland University of Technology*, 2021.
- [117] M. Baumann, C. Bracken and A. Batsanov, "Development of a Continuous Photochemical Benzyne-Forming Process," *SynOpen*, vol. 5, no. 1, pp. 29-35, 2021.
- [116] S. Sade, "Photocatalytic N-Arylation of 3-Substituted Pyrrolidines and Comparison with Traditional Methods," *Thesis*, 2021.
- [115] T. Wan, L. Capaldo, G. Laudadio, A. Nyuchev, J. Rincon, P. Garcia-Losada, C. Mateos Gutierrez, M. O Frederick, M. Nuno and T. Noel, "Decatungstate-mediated C(sp³)-H Heteroarylation via Radical-Polar Crossover in Batch and Flow," *Angewandte Chemie (International ed. in English)*, 2021.
- [114] 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.
- [113] 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.
- [112] N. Neyt and D. Riley, "Application of reactor engineering concepts in continuous flow chemistry: a review," *Reaction Chemistry & Engineering*, 2021.
- [111] R. Radjagobalou, V. Freitas, J. Blanco, F. Gros, J. Dauchet, J. Cornet and K. Loubiere, "A revised 1D equivalent model for the determination of incident photon flux density in a continuous-flow LED-driven spiral-shaped microreactor using the actinometry method with Reinecke's salt," *Journal of Flow Chemistry*, 2021.

- [110] K. Donnelly and M. Baumann, "Scalability of photochemical reactions in continuous flow mode," *Journal of Flow Chemistry*, 2021.
- [109] M. Waterford, S. Saubern and C. Hornung, "Evaluation of a Continuous-Flow Photo-Bromination Using N-Bromosuccinimide for Use in Chemical Manufacture," *Australian Journal of Chemistry*, 2021.
- [108] 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.
- [107] P. Ranjan, S. Pillitteri, G. Coppola, M. Oliva, E. Eycken and U. Sharma, "Unlocking the Accessibility of Alkyl Radicals from Boronic Acids through Hydrogen-bond Assisted Organophotoredox Activation," *ChemRxiv*, 2021.

2020

- [106] A. Ryder, W. Cunningham, G. Ballantyne, T. Mules, A. Kinsella, J. Turner-Dore, C. Alder, L. Edwards, B. McKay, M. Grayson and A. Cresswell, "Photocatalytic α -Tertiary Amine Synthesis via C-H Alkylation of Unmasked Primary Amines," *Angew. Chem. Int. Ed. Engl.*, 2020.
- [105] M. Van De Walle, K. De Bruycker, J. Blinco and C. Barner-Kowollik, "Two Colour Photoflow Chemistry for Macromolecular Design," *Angew. Chem. Int. Ed. Engl.*, 2020.
- [104] E. Corcoran, J. McMullen, F. Lévesque, M. Wismer and J. Naber, "Photon Equivalents as a Parameter for Scaling Photoredox Reactions in Flow: Translation of Photocatalytic C-N Cross-Coupling from Lab Scale to Multikilogram Scale," *Angew. Chem. Int. Ed. Engl.*, 2020.
- [103] C. Hunter, M. Boyd, G. May and R. Fimognari, "Visible-Light-Mediated N-Desulfonylation of N-Heterocycles Using a Heteroleptic Copper(I) Complex as a Photocatalyst," *J. Org. Chem.*, 2020.
- [102] W. Debrouwer, W. Kimpe, R. Dangreau, K. Huvaere, H. Gemoets, M. Mottaghi, S. Kuhn and K. Van Aken, "Ir/Ni Photoredox Dual Catalysis with Heterogeneous Base Enabled by an Oscillatory Plug Flow Photoreactor," *Org. Process Res. Dev.*, 2020.
- [101] P. Kocienski, "Flow Synthesis of Anilines through Photoredox/Ni(II)-Catalyzed C-N Cross-Coupling: Tetracaine," *Synfacts*, 2020.
- [100] A. Caron, "I: Synthèse de carbazole en débit continu. II: Transfert de proton couplé à l'électron photocatalysé au cuivre," *Thesis*, 2020.
- [99] K. Behm, E. Fazekas, M. Paterson, F. Vilela and R. McIntosh, "Discrete Ti-O-Ti Complexes: Visible-Light-Activated, Homogeneous Alternative to TiO₂ Photosensitisers," *Chemistry (Weinheim an der Bergstrasse, Germany)*, vol. 26, no. 43, pp. 9486-9494, 2020.

- [98] J. Wilson, M. Boyd, S. Giroux and U. Bandarage, "Application of a Dual Catalytic Nickel/Iridium-Based Photoredox Reaction to Synthesize 2-Alkyl-N-Arylindoles in a Continuous Flow," *J. Org. Chem.*, 2020.
- [97] M. Sezen-Edmonds, J. Tabora, B. Cohen, S. Zaretsky, E. Simmons, T. Sherwood and A. Ramirez, "Predicting Performance of Photochemical Transformations for Scaling Up in Different Platforms by Combining High-Throughput Experimentation with Computational Modeling," *Org. Process Res. Dev.*, 2020.
- [96] I. Baxendale, O. Griffiths and M. Ruggeri, "Photochemical Flow Oximation of Alkanes," *Synlett*, 2020.
- [95] F. Pfrenge, "Automated Glycan Assembly of Plant Cell Wall Oligosaccharides," *Methods Mol. Biol.*, vol. 2149, pp. 503-512, 2020.
- [94] J. Wang, X. Hu, N. Zhu and K. Guo, "Continuous Flow Photo-RAFT and Light-PISA," *Chemical Engineering Journal*, p. 127663, 2020.
- [93] T. Goodine and M. Oelgemöller, "Corymbia citriodora : A Valuable Resource from Australian Flora for the Production of Fragrances, Repellents, and Bioactive Compounds," *ChemBioEng Reviews*, vol. 7, no. 6, pp. 170-192, 2020.
- [92] R. Ma, J. Feng, K. Zhang, B. Zhang and D. Du, "Photoredox β -thiol- α -carbonylation of enones accompanied by unexpected Csp²-C(CO) bond cleavage," *Organic & biomolecular chemistry*, vol. 18, no. 38, pp. 7549-7553, 2020.
- [91] M. Graham, G. Noonan, J. Cherryman, J. Douglas, M. Gonzalez, L. Jackson, K. Leslie, Z. Liu, D. McKinney, R. Munday, C. Parsons, D. Whittaker, E. Zhang and J. Zhang, "Development and Proof of Concept for a Large-Scale Photoredox Additive-Free Minisci Reaction," *Organic Process Research & Development*, 2020.
- [90] J. Grayson and A. Cresswell, " γ -Amino phosphonates via the photocatalytic α -C-H alkylation of primary amines," *Tetrahedron*, 2020.
- [89] S. Das, K. Murugesan, G. RODRIGUEZ, J. Kaur, J. Barham, A. Savateev, M. Antonietti and B. Koenig, "Photocatalytic (Hetero)Arylation of C(sp³)-H Bonds with Carbon Nitride," *Catalysis*, 2020.
- [88] M. Ruggeri, "Exploring Flow Chemistry for the Synthesis and Scale-up of Small Organic Molecules," *Thesis*, 2020.
- [87] S. Chatterjee, M. Guidi, P. Seeberger and K. Gilmore, "Automated radial synthesis of organic molecules," *Nature*, vol. 579, no. 779, pp. 379-384, 2020.
- [86] M. Shea, U. Mansoor and B. Hopkins, "A Metallaphotoredox Method for the Expansion of Benzyl SAR on Electron-Deficient Amines," *Org. Lett.*, vol. 22, no. 3, pp. 1052-1055, 2020.
- [85] C. Bracken and M. Baumann, "Development of a Continuous Flow Photoisomerization Reaction Converting Isoxazoles into Diverse Oxazole Products," *J. Org. Chem.*, vol. 85, no. 4, pp. 2607-2617, 2020.

- [84] B. Park, M. Pirnot and S. Buchwald, "Visible Light-Mediated (Hetero)aryl Amination Using Ni(II) Salts and Photoredox Catalysis in Flow: A Synthesis of Tetracaine," *J. Org. Chem.*, vol. 85, no. 5, pp. 3234-3244, 2020.
- [83] M. Di Filippo, C. Bracken and M. Baumann, "Continuous Flow Photochemistry for the Preparation of Bioactive Molecules," *Molecules*, vol. 25, no. 2, 2020.
- [82] M. Guberman, "Development of Synthetic Strategies to Address Bottlenecks in Glycan Synthesis," *Thesis*, 2020.

2019

- [81] C. Bottecchia, R. Martín, I. Abdiaj, E. Crovini, J. Alcazar, J. Orduna, M. Blesa, J. Carrillo, P. Prieto and T. Noël, "De novo Design of Organic Photocatalysts: Bithiophene Derivatives for the Visible-light Induced C-H Functionalization of Heteroarenes," *Adv. Synth. Catal.*, vol. 361, no. 5, pp. 945-950, 2019.
- [80] W. Konrad, C. Fengler, S. Putwa and C. Barner-Kowollik, "Protection Group Free Synthesis of Sequence-Defined Macromolecules via Precision λ -Orthogonal Photochemistry," *Angew. Chem. Int. Ed. Engl.*, 2019.
- [79] S. Kim, J. Lee, N. Kim and B. Park, "Visible-Light-Mediated Cross-Couplings and C-H Activation via Dual Photoredox/Transition-Metal Catalysis in Continuous-Flow Processes," *Asian J. Org. Chem.*, vol. 8, no. 9, pp. 1578-1587, 2019.
- [78] A. Shallan and C. Priest, "Microfluidic Process Intensification for Synthesis and Formulation in the Pharmaceutical Industry," *Chemical Engineering and Processing - Process Intensification*, 2019.
- [77] J. Wong, J. Tobin, F. Vilela and G. Barker, "Batch Versus Flow Lithiation-Substitution of 1,3,4-Oxadiazoles: Exploitation of Unstable Intermediates Using Flow Chemistry," *Chemistry*, vol. 25, no. 53, pp. 12439-12445, 2019.
- [76] J. Williams, Y. Otake, G. Coussanes, I. Saridakis, N. Maulide and C. Kappe, "Towards a Scalable Synthesis of 2-Oxabicyclo[2.2.0]hex-5-en-3-one Using Flow Photochemistry," *ChemPhotoChem*, vol. 3, no. 5, pp. 229-232, 2019.
- [75] M. Ruggeri, A. Dombrowski, S. Djuric and I. Baxendale, "Photochemical Flow Synthesis of 3-Hydroxyazetidines," *ChemPhotoChem*, 2019.
- [74] C. Mateos, "Lilly Research Award Program (LRAP): A Successful Academia-Industry Partnership Model in the Context of Flow Chemistry for Drug Discovery," *Chimia (Aarau)*, vol. 73, no. 10, pp. 803-808, 2019.
- [73] S. Ley, Y. Chen, D. Fitzpatrick and O. May, "A New World for Chemical Synthesis?," *Chimia (Aarau)*, vol. 73, no. 10, pp. 792-802, 2019.

- [72] A. Zhakeyev, J. Tobin, H. Wang, F. Vilela and J. Xuan, "Additive manufacturing of photoactive polymers for visible light harvesting," *Energy Procedia*, vol. 158, pp. 5608-5614, 2019.
- [71] Y. Chen, D. Cantillo and C. Kappe, "Visible Light-Promoted Beckmann Rearrangements: Separating Sequential Photochemical and Thermal Phenomena in a Continuous Flow Reactor," *Eur. J. Org. Chem.*, pp. 2163-2171, 2019.
- [70] F. Mortzfeld, J. Pietruszka and I. Baxendale, "A Simple and Efficient Flow Preparation of Pyocyanin a Virulence Factor of *Pseudomonas aeruginosa*," *Eur. J. Org. Chem.*, 2019.
- [69] A. Barthelemy, G. Dagousset and E. Magnier, "Metal-Free Visible-Light-Mediated Hydrotrifluoromethylation of Unactivated Alkenes and Alkynes in Continuous Flow," *Eur. J. Org. Chem.*, 2019.
- [68] T. Sherwood, H. Xiao, R. Bhaskar, E. Simmons, S. Zaretsky, M. Rauch, R. Knowles and T. Dhar, "Decarboxylative Intramolecular Arene Alkylation Using N-(Acyloxy)phthalimides, an Organic Photocatalyst, and Visible Light," *J. Org. Chem.*, 2019.
- [67] Y. Chen, O. May, D. Blakemore and S. Ley, "A Photoredox Coupling Reaction of Benzylboronic Esters and Carbonyl Compounds in Batch and Flow," *Org. Lett.*, vol. 21, no. 15, pp. 6140-6144, 2019.
- [66] Z. Brill, C. Ritts, U. Mansoor and N. Sciammetta, "Continuous Flow Enables Metallaphotoredox Catalysis in a Medicinal Chemistry Setting: Accelerated Optimization and Library Execution of a Reductive Coupling between Benzylic Chlorides and Aryl Bromides," *Org. Lett.*, 2019.
- [65] S. Mumtaz, M. Robertson and M. Oelgemöller, "Continuous Flow Photochemical and Thermal Multi-Step Synthesis of Bioactive 3-Arylmethylene-2,3-Dihydro-1H-Isoindolin-1-Ones," *Molecules*, vol. 24, no. 24, 2019.
- [64] T. Britten, "4- π Photocyclisation: a new route to functionalised four-membered rings," *Thesis*, 2019.
- [63] A. ROIBU, "Characterization of Microstructured Reactors for Photochemical Transformations," *Thesis*, 2019.

2018

- [62] I. Abdiaj, L. Huck, J. Mateo, A. de la Hoz, M. Gomez, A. Díaz-Ortiz and J. Alcázar, "Photoinduced Palladium-Catalyzed Negishi Cross-Couplings Enabled by the Visible-Light Absorption of Palladium-Zinc Complexes," *Angew. Chem. Int. Ed. Engl.*, vol. 57, no. 40, pp. 13231-13236, 2018.
- [61] S. Mumtaz, M. Robertson and M. Oelgemöller, "Recent Advances in Photodecarboxylations Involving Phthalimides," *Aust. J. Chem.*, vol. 71, no. 9, p. 634, 2018.

- [60] F. Lima, L. Grunenberg, H. Rahman, R. Labes, J. Sedelmeier and S. Ley, "Organic photocatalysis for the radical couplings of boronic acid derivatives in batch and flow," *Chem. Commun. (Camb.)*, vol. 54, no. 44, pp. 5606-5609, 2018.
- [59] P. Dingwall, A. Greb, L. Crespin, R. Labes, B. Musio, J. Poh, P. Pasau, D. Blakemore and S. Ley, "C-H functionalisation of aldehydes using light generated, non-stabilised diazo compounds in flow," *Chem. Commun. (Camb.)*, 2018.
- [58] F. Akwi and P. Watts, "Continuous flow chemistry: where are we now? Recent applications, challenges and limitations," *Chem. Commun. (Camb.)*, vol. 54, no. 99, pp. 13894-13928, 2018.
- [57] R. Radjagobalou, J. Blanco, O. Dechy-Cabaret, M. Oelgemöller and K. Loubière, "Photooxygenation in an advanced led-driven flow reactor module: Experimental investigations and modelling," *Chemical Engineering and Processing - Process Intensification*, pp. 214-228, 2018.
- [56] J. Baker, J. Gilbert, S. Paula, X. Zhu, J. Sakoff and A. McCluskey, "Dichlorophenylacrylonitriles as AhR Ligands That Display Selective Breast Cancer Cytotoxicity in vitro," *ChemMedChem*, 2018.
- [55] Y. Chen, O. de Frutos, C. Mateos, J. Rincon, D. Cantillo and C. Kappe, "Continuous Flow Photochemical Benzylic Bromination of a Key Intermediate in the Synthesis of a 2-Oxazolidinone," *ChemPhotoChem*, 2018.
- [54] E. Corcoran, F. Lévesque, J. McMullen and J. Naber, "Studies Toward the Scaling of Gas-Liquid Photocycloadditions," *ChemPhotoChem*, 2018.
- [53] K. Raynor, G. May, U. Bandarage and M. Boyd, "Generation of Diversity Sets with High sp³ Fraction Using the Photoredox Coupling of Organotrifluoroborates and Organosilicates with Heteroaryl/Aryl Bromides in Continuous Flow," *J. Org. Chem.*, vol. 83, no. 3, pp. 1551-1557, 2018.
- [52] Y. Chen, M. Leonardi, P. Dingwall, R. Labes, P. Pasau, D. Blakemore and S. Ley, "Photochemical Homologation for the Preparation of Aliphatic Aldehydes in Flow," *J. Org. Chem.*, 2018.
- [51] I. Abdiaj, C. Horn and J. Alcazar, "Scalability of Visible-Light-Induced Nickel Negishi Reactions: A Combination of Flow Photochemistry, Use of Solid Reagents, and In-Line NMR Monitoring," *J. Org. Chem.*, 2018.
- [50] Y. Chen, D. Blakemore, P. Pasau and S. Ley, "Three-Component Assembly of Multiply Substituted Homoallylic Alcohols and Amines Using a Flow Chemistry Photoreactor," *Org. Lett.*, vol. 20, no. 20, pp. 6569-6572, 2018.
- [49] F. Politano and G. Oksdath-Mansilla, "Light on the horizon: Current research and future perspectives in flow photochemistry," *Org. Process Res. Dev.*, 2018.
- [48] H. Hsieh, C. Coley, L. Baumgartner, K. Jensen and R. Robinson, "Photoredox Iridium–Nickel Dual-Catalyzed Decarboxylative Arylation Cross-Coupling: From Batch to Continuous Flow via Self-Optimizing Segmented Flow Reactor," *Org. Process Res. Dev.*, vol. 22, no. 4, pp. 542-550, 2018.

- [47] J. Babra, A. Russell, C. Smith and Y. Zhang, "Combining C-H functionalisation and flow photochemical heterocyclic metamorphosis (FP-HM) for the synthesis of benzo[1,3]oxazepines," *Tetrahedron*, 2018.
- [46] F. Lima, "Photoredox C–C Cross-Coupling Reactions using Boronic Acid Derivatives," *Thesis*, 2018.
- [45] I. Abdiaj, "Application of photocatalysis in flow as a new tool for drug-discovery," *Thesis*, 2018.
- [44] D. Senf, "Synthesis of Arabinoxylan Oligo- and Polysaccharides from the Plant Cell Wall," *Thesis*, 2018.
- [43] M. Bartetzko, "Development of Synthetic Glycan Tools for Investigating Plant Cell Wall Pectins," *Thesis*, 2018.
- [42] A. Kononov, "Oligosaccharides Prepared by Automated Glycan Assembly as Basis for Structural Investigations of Carbohydrates," *Thesis*, 2018.
- [41] T. Glasnov, "Photochemical Synthesis of Heterocycles: Merging Flow Processing and Metal-Catalyzed Visible Light Photoredox Transformations," *Topics in Heterocyclic Chemistry*, pp. 103-132, 2018.

2017

- [40] J. Tobin, T. McCabe, A. Prentice, A. Prentice, G. Lloyd, M. Paterson, V. Arrighi, P. Cormack and F. Vilela, "Polymer-supported photosensitizers for oxidative organic transformations in flow and under visible light irradiation," *ACS Catal.*, vol. 7, no. 7, p. 4602, 2017.
- [39] A. Greb, J. Poh, S. Greed, C. Battilocchio, P. Pasau, D. Blakemore and S. Ley, "A New Versatile Route to Unstable Diazo Compounds via Oxadiazolines and Use In Aryl-Alkyl Cross-Coupling Reactions," *Angew. Chem. Int. Ed. Engl.*, 2017.
- [38] C. Kong, D. Fisher, B. Desai, Y. Yang, S. Ahmad, K. Belecki and B. Gupton, "High throughput photo-oxidations in a packed bed reactor system," *Bioorg. Med. Chem.*, 2017.
- [37] P. Dallabernardina, F. Schuhmacher, P. Seeberger and F. Pfengle, "Mixed-Linkage Glucan Oligosaccharides Produced by Automated Glycan Assembly Serve as Tools To Determine the Substrate Specificity of Lichenase," *Chemistry*, vol. 23, no. 13, pp. 3191-3196, 2017.
- [36] D. Senf, C. Ruprecht, G. de Kruijff, S. Simonetti, F. Schuhmacher, P. Seeberger and F. Pfengle, "Active Site Mapping of Xylan-Deconstructing Enzymes with Arabinoxylan Oligosaccharides Produced by Automated Glycan Assembly," *Chemistry*, vol. 23, no. 13, pp. 3197-3205, 2017.
- [35] T. Noel, "A personal perspective on the future of flow photochemistry," *Journal of Flow Chemistry*, 2017.

- [34] R. Xiao, J. Tobin, M. Zha, Y. Hou, Y. Hou, F. Vilela and Z. Xu, "A nanoporous graphene analog for superfast heavy metal removal and continuous-flow visible-light photoredox catalysis," *Journal of Materials Chemistry A*, vol. 38, 2016.
- [33] I. Abdiaj, C. Bottecchia, J. Alcazar and T. Noël, "Visible-Light-Induced Trifluoromethylation of Highly Functionalized Arenes and Heteroarenes in Continuous Flow," *Synthesis*, vol. 49, no. 22, p. 4978, 2017.
- [32] S. Vukelić, "Synthesis of Fluorinated Amino Acids and Their Derivatives in Flow," *Thesis*, 2017.
- [31] J. Poh, "Coupling reactions using flow-generated diazo compounds," *Thesis*, 2017.
- [30] P. Bharate, "Automated Glycan Assembly of Oligomannose Glycans for Sensing Applications," *Thesis*, 2017.

2016

- [29] M. Bower, J. Shen, R. Steinbach, J. Tobin, J. Tobin, McCoustra, H. Bridle, V. Arrighi and F. Vilela, "Photoactive and metal-free polyamide-based polymers for water and wastewater treatment under visible light irradiation," *Applied Catalysis B: Environmental*, p. 226, 2016.
- [28] I. Abdiaj and J. Alcázar, "Improving the throughput of batch photochemical reactions using flow: Dual photoredox and nickel catalysis in flow for C(sp²)/C(sp³) cross-coupling," *Bioorg. Med. Chem.*, 2016.
- [26] J. Guerra, D. Cantillo and C. Kappe, "Visible-light photoredox catalysis using a macromolecular ruthenium complex: reactivity and recovery by size-exclusion nanofiltration in continuous flow," *Catalysis Science & Technology*, pp. 4695-4699, 2016.
- [25] S. Josland, S. Mumtaz and M. Oelgemöller, "Photodecarboxylations in an Advanced Meso-Scale Continuous-Flow Photoreactor," *Chemical Engineering & Technology*, 2016.
- [24] K. Loubière, M. Oelgemöller, T. Aillet, O. Dechy-Cabaret and L. Prat, "Continuous-flow photochemistry: A need for chemical engineering," *Chemical Engineering and Processing: Process Intensification*, pp. 120-132, 2016.
- [23] K. Chen, S. Zhang, P. He and P. Li, "Efficient metal-free photochemical borylation of aryl halides under batch and continuous-flow conditions," *Chemical Science*, pp. 3676-3680, 2016.
- [22] J. Gardiner, C. Hornung, J. Tsanaktsidis and D. Guthrie, "Continuous flow photo-initiated RAFT polymerisation using a tubular photochemical reactor," *European Polymer Journal*, pp. 200-207, 2016.
- [21] A. Joshi-Pangu, F. Lévesque, H. Roth, S. Oliver, L. Campeau, D. Nicewicz and D. DiRocco, "Acridinium-Based Photocatalysts: A Sustainable Option in Photoredox Catalysis," *J. Org. Chem.*, vol. 81, no. 16, pp. 7244-9, 2016.

- [20] T. DeLano, U. Bandarage, N. Palaychuk, J. Green and M. Boyd, "Application of the Photoredox Coupling of Trifluoroborates and Aryl Bromides to Analog Generation Using Continuous Flow," *J. Org. Chem.*, vol. 81, no. 24, pp. 12525-12531, 2016.
- [19] Y. Wong, J. Tobin, Z. Xu and F. Vilela, "Conjugated porous polymers for photocatalytic applications," *Journal of Materials Chemistry A*, 2016.
- [18] Y. Fang and G. Tranmer, "Continuous flow photochemistry as an enabling synthetic technology: synthesis of substituted-6(5H)-phenanthridinones for use as poly(ADP-ribose) polymerase inhibitors," *MedChemComm*, 2016.
- [17] D. Svatunek, C. Denk, V. Rosecker, B. Sohr, C. Hametner, G. Allmaier, J. Fröhlich and H. Mikula, "Efficient low-cost preparation of trans-cyclooctenes using a simplified flow setup for photoisomerization," *Monatsh. Chem.*, pp. 579-585, 2016.
- [16] Y. Fang and G. Tranmer, "Expedited access to thieno[3,2-c]quinolin-4(5H)-ones and benzo[h]-1,6-naphthyridin-5(6H)-ones via a continuous flow photocyclization method," *Org. Biomol. Chem.*, vol. 14, no. 46, pp. 10799-10803, 2016.
- [15] P. Dallabernardina, F. Schuhmacher, P. Seeberger and F. Pfengle, "Automated glycan assembly of xyloglucan oligosaccharides," *Org. Biomol. Chem.*, vol. 14, no. 1, pp. 309-13, 2016.
- [14] M. Oelgemöller and N. Hoffmann, "Studies in organic and physical photochemistry - an interdisciplinary approach," *Org. Biomol. Chem.*, vol. 14, no. 31, pp. 7392-442, 2016.
- [13] N. Palaychuk, T. DeLano, M. Boyd, J. Green and U. Bandarage, "Synthesis of Cycloalkyl Substituted 7-Azaindoles via Photoredox Nickel Dual Catalytic Cross-Coupling in Batch and Continuous Flow," *Org. Lett.*, vol. 18, no. 23, pp. 6180-6183, 2016.
- [12] K. Chen, M. Cheung, Z. Lin and P. Li, "Metal-free borylation of electron-rich aryl (pseudo) halides under continuous-flow photolytic conditions," *Organic Chemistry Frontiers*, pp. 875-879, 2016.
- [11] J. Tobin, J. Liu, H. Hayes, M. Demleitner and D. Ellis, "BODIPY-based conjugated microporous polymers as reusable heterogeneous photosensitisers in a photochemical flow reactor," *Polymer Chemistry*, 2016.
- [10] F. Strauss, D. Cantillo, D. Cantillo and C. Kappe, "A laboratory-scale continuous flow chlorine generator for organic synthesis," *React. Chem. Eng.*, 2016.
- [9] M. Baumann and I. Baxendale, "Continuous photochemistry: the flow synthesis of ibuprofen via a photo-Favorskii rearrangement," *Reaction Chemistry & Engineering*, pp. 147-150, 2016.
- [8] Y. Fang, "The application of flow chemistry techniques in medicinal chemistry programs: the development of flow-photocyclization methods for the synthesis of phenanthridinone-type compounds.," *Thesis*, 2016.
- [7] T. Glasnov, "Organic Synthesis in Dedicated Continuous Flow Systems," in *Continuous-Flow Chemistry in the Research Laboratory*, 2016, pp. 93-112.

2015

- [6] H. Pordanjani, C. Faderl, J. Wang, C. Motti, P. Junk and M. Oelgemöller, "Photodecarboxylative Benzylations of N-Methoxyphthalimide under batch and continuous-flow conditions," *Australian Journal of Chemistry*, vol. 68, no. 11, pp. 1662-1667, 2015.
- [5] D. Cantillo, C. Mateos, J. Rincon, O. de Frutos and C. Kappe, "Light-Induced C-H Arylation of (Hetero)arenes by In Situ Generated Diazo Anhydrides.," *Chemistry*, vol. 21, no. 37, pp. 12894-8, 2015.
- [4] J. Beatty, J. Douglas, K. Cole and C. Stephenson, "A scalable and operationally simple radical trifluoromethylation," *Nature Communication*, 2015.
- [3] C. Wendell and M. Boyd, "Reevaluation of the 2-nitrobenzyl protecting group for nitrogen containing compounds: an application of flow photochemistry," *Tetrahedron Letters*, vol. 56, no. 17, pp. 897-899, 2015.
- [2] A. Hernandez-Perez, "Réaction de photocyclodéshydrogénation par catalyse photorédox," *Thesis*, 2015.

2014

- [1] A. Caron, A. Hernandez-Perez and S. Collins, "Synthesis of a Carprofen Analogue Using a Continuous Flow UV-Reactor," *Organic Process Research & Development*, vol. 18, no. 11, pp. 1571-1574, 2014.