

Applications of Continuous-Flow Photochemistry in Organic Synthesis and Water Treatment

Chemical Reviews

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Citation Report

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | A flow reactor setup for photochemistry of biphasic gas/liquid reactions. Beilstein Journal of Organic Chemistry, 2016, 12, 1798-1811. | 1.3 | 32 |
| 2 | Batch and Flow Synthesis of Disulfides by Visible-Light-Induced TiO ₂ Photocatalysis. ChemSusChem, 2016, 9, 1781-1785. | 3.6 | 88 |
| 3 | A Sustainable, Semi-Continuous Flow Synthesis of Hydantoins. Chemistry - A European Journal, 2016, 22, 13451-13454. | 1.7 | 19 |
| 4 | Synthesis of <i>Aza</i> -Rocaglates via ESIP ^T -Mediated (3+2) Photocycloaddition. Chemistry - A European Journal, 2016, 22, 12006-12010. | 1.7 | 34 |
| 5 | Photo-Claisen rearrangement of allyl phenyl ether in microflow: Influence of phenyl core substituents and vision on orthogonality. Journal of Flow Chemistry, 2016, 6, 252-259. | 1.2 | 7 |
| 6 | Soluble polymer supports for homogeneous catalysis in flow reactions. Pure and Applied Chemistry, 2016, 88, 953-960. | 0.9 | 5 |
| 7 | Visible Light Driven Photocascade Catalysis: Ru(bpy) ₃ (PF ₆) ₂ /TBHP-Mediated Synthesis of Fused \hat{I}^2 -Carbolines in Batch and Flow Microreactors. Organic Letters, 2016, 18, 2974-2977. | 2.4 | 65 |
| 8 | Influence of irradiance on the photochemical reduction of europium(ⁱⁱⁱ). Green Chemistry, 2016, 18, 4198-4204. | 4.6 | 8 |
| 9 | Visible Light Activation of Boronic Esters Enables Efficient Photoredox C(sp ²)-C(sp ³) Cross-Couplings in Flow. Angewandte Chemie - International Edition, 2016, 55, 14085-14089. | 7.2 | 150 |
| 10 | Photochemical Perfluoroalkylation with Pyridine N -Oxides: Mechanistic Insights and Performance on a Kilogram Scale. Chem, 2016, 1, 456-472. | 5.8 | 221 |
| 11 | Photonic contacting of gas-liquid phases in a falling film microreactor for continuous-flow photochemical catalysis with visible light. Reaction Chemistry and Engineering, 2016, 1, 636-648. | 1.9 | 36 |
| 12 | Heteroleptic Cu-Based Sensitizers in Photoredox Catalysis. Accounts of Chemical Research, 2016, 49, 1557-1565. | 7.6 | 193 |
| 13 | Photoredox Catalysis in Organic Chemistry. Journal of Organic Chemistry, 2016, 81, 6898-6926. | 1.7 | 2,156 |
| 14 | Application of photo degradation for remediation of cyclic nitramine and nitroaromatic explosives. RSC Advances, 2016, 6, 77603-77621. | 1.7 | 22 |
| 15 | Remarkable Improvement of Organic Photoreaction Efficiency in the Flow Microreactor by the Slug Flow Condition Using Water. Organic Process Research and Development, 2016, 20, 1626-1632. | 1.3 | 30 |
| 16 | Free Radical Chemistry Enabled by Visible Light-Induced Electron Transfer. Accounts of Chemical Research, 2016, 49, 2295-2306. | 7.6 | 483 |
| 17 | A Simple and Versatile Reactor for Photochemistry. Organic Process Research and Development, 2016, 20, 1792-1798. | 1.3 | 45 |
| 18 | A Small-Footprint, High-Capacity Flow Reactor for UV Photochemical Synthesis on the Kilogram Scale. Organic Process Research and Development, 2016, 20, 1806-1811. | 1.3 | 109 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | A Mechanistic Investigation of the Visible-Light Photocatalytic Trifluoromethylation of Heterocycles Using CF ₃ I in Flow. <i>Chemistry - A European Journal</i> , 2016, 22, 12295-12300. | 1.7 | 46 |
| 20 | Acridinium-Based Photocatalysts: A Sustainable Option in Photoredox Catalysis. <i>Journal of Organic Chemistry</i> , 2016, 81, 7244-7249. | 1.7 | 259 |
| 21 | Flow Update for a Cossy Photocyclization. <i>Organic Letters</i> , 2016, 18, 5444-5446. | 2.4 | 18 |
| 22 | Practical Photocatalytic Trifluoromethylation and Hydrotrifluoromethylation of Styrenes in Batch and Flow. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 15549-15553. | 7.2 | 171 |
| 23 | Practical Photocatalytic Trifluoromethylation and Hydrotrifluoromethylation of Styrenes in Batch and Flow. <i>Angewandte Chemie</i> , 2016, 128, 15778-15782. | 1.6 | 44 |
| 24 | Utilization of microflow reactors to carry out synthetically useful organic photochemical reactions. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2016, 29, 107-147. | 5.6 | 71 |
| 25 | A greener process for flow C-H chlorination of cyclic alkanes using in situ generation and on-site consumption of chlorine gas. <i>Reaction Chemistry and Engineering</i> , 2016, 1, 613-615. | 1.9 | 31 |
| 26 | 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. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 10799-10803. | 1.5 | 6 |
| 27 | Photochemical recovery of europium from non-aqueous solutions. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 29961-29968. | 1.3 | 12 |
| 28 | A combination of natural deep eutectic solvents and microflow technology: a sustainable innovation for the tandem synthesis of 3-aminohexahydrocoumarins. <i>Green Chemistry</i> , 2016, 18, 6450-6455. | 4.6 | 19 |
| 29 | Visible Light-Induced Trifluoromethylation and Perfluoroalkylation of Cysteine Residues in Batch and Continuous Flow. <i>Journal of Organic Chemistry</i> , 2016, 81, 7301-7307. | 1.7 | 55 |
| 30 | Engaging electronic effects for atropselective [5+2]-photocycloaddition of maleimides. <i>Chemical Communications</i> , 2016, 52, 8305-8308. | 2.2 | 8 |
| 31 | Metal-free borylation of electron-rich aryl (pseudo)halides under continuous-flow photolytic conditions. <i>Organic Chemistry Frontiers</i> , 2016, 3, 875-879. | 2.3 | 87 |
| 32 | Photo-responsive modulation of hybrid peptide assembly, charge transfer complex formation and gelation. <i>RSC Advances</i> , 2016, 6, 59851-59857. | 1.7 | 8 |
| 33 | Continuous flow reactor for miniemulsion chain photopolymerization: Understanding plugging issue. <i>European Polymer Journal</i> , 2016, 80, 247-255. | 2.6 | 13 |
| 34 | Flow chemistry—Microreaction technology comes of age. <i>AIChE Journal</i> , 2017, 63, 858-869. | 1.8 | 351 |
| 35 | Improving the throughput of batch photochemical reactions using flow: Dual photoredox and nickel catalysis in flow for C(sp ²) cross-coupling. <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 6190-6196. | 1.4 | 37 |
| 36 | Visible-Light-Promoted Nickel- and Organic-Dye-Cocatalyzed Formylation Reaction of Aryl Halides and Triflates and Vinyl Bromides with Diethoxyacetic Acid as a Formyl Equivalent. <i>Angewandte Chemie</i> , 2017, 129, 1522-1527. | 1.6 | 32 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Visible-Light-Promoted Nickel- and Organic-Dye-Cocatalyzed Formylation Reaction of Aryl Halides and Triflates and Vinyl Bromides with Diethoxyacetic Acid as a Formyl Equivalent. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 1500-1505. | 7.2 | 115 |
| 38 | Dual modification of TiNb ₂ O ₇ with nitrogen dopants and oxygen vacancies for selective aerobic oxidation of benzylamine to imine under green light. <i>Journal of Materials Chemistry A</i> , 2017, 5, 4607-4615. | 5.2 | 60 |
| 39 | Batch and Continuous-Flow One-Pot Processes using Amine Diazotization to Produce Silylated Diazo Reagents. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 6294-6297. | 7.2 | 41 |
| 40 | Visible-Light Driven Photocascade Catalysis: Union of <i>N,N</i> -Dimethylanilines and $\hat{\pm}$ -Azidochalcones in Flow Microreactors. <i>Journal of Organic Chemistry</i> , 2017, 82, 2249-2256. | 1.7 | 41 |
| 41 | Batch and Continuous-Flow One-Pot Processes using Amine Diazotization to Produce Silylated Diazo Reagents. <i>Angewandte Chemie</i> , 2017, 129, 6391-6394. | 1.6 | 10 |
| 42 | Multiphase photocatalytic microreactors. <i>Chemical Engineering Science</i> , 2017, 169, 67-77. | 1.9 | 61 |
| 43 | Photocascade Catalysis: A New Strategy for Cascade Reactions. <i>ChemPhotoChem</i> , 2017, 1, 148-158. | 1.5 | 127 |
| 44 | Intensifying Multiphase Reactions and Reactors: Strategies and Examples. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 3607-3622. | 3.2 | 47 |
| 45 | Reaction discovery using acetylene gas as the chemical feedstock accelerated by the stop-flow micro-tubing reactor system. <i>Chemical Science</i> , 2017, 8, 3623-3627. | 3.7 | 67 |
| 46 | Continuous Flow $\hat{\pm}$ -Arylation of <i>N,N</i> -Dialkylhydrazones under Visible-Light Photoredox Catalysis. <i>Organic Letters</i> , 2017, 19, 938-941. | 2.4 | 28 |
| 47 | Photocatalysis in Organic Synthesis – Past, Present, and Future. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 1979-1981. | 1.2 | 224 |
| 48 | Harnessing [1,4], [1,5], and [1,6] Anionic Fries-type Rearrangements by Reaction-Time Control in Flow. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 7863-7866. | 7.2 | 23 |
| 49 | Access to cyclic gem-difluoroacyl scaffolds via electrochemical and visible light photocatalytic radical tandem cyclization of heteroaryl chlorodifluoromethyl ketones. <i>Chemical Communications</i> , 2017, 53, 5653-5656. | 2.2 | 19 |
| 50 | Heterogeneous C-H alkenylations in continuous-flow: oxidative palladium-catalysis in a biomass-derived reaction medium. <i>Green Chemistry</i> , 2017, 19, 2510-2514. | 4.6 | 89 |
| 51 | Photoredox-Catalyzed Hydrodifluoroalkylation of Alkenes Using Difluorohaloalkyl Compounds and a Hantzsch Ester. <i>Journal of Organic Chemistry</i> , 2017, 82, 5469-5474. | 1.7 | 77 |
| 52 | Merger of Visible-Light Photoredox Catalysis and C-H Activation for the Room-Temperature C-2 Acylation of Indoles in Batch and Flow. <i>ACS Catalysis</i> , 2017, 7, 3818-3823. | 5.5 | 116 |
| 53 | Halogenation of organic compounds using continuous flow and microreactor technology. <i>Reaction Chemistry and Engineering</i> , 2017, 2, 7-19. | 1.9 | 93 |
| 54 | Harnessing [1,4], [1,5], and [1,6] Anionic Fries-type Rearrangements by Reaction-Time Control in Flow. <i>Angewandte Chemie</i> , 2017, 129, 7971-7974. | 1.6 | 5 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 55 | Redox Catalysis Facilitates Lignin Depolymerization. <i>ACS Central Science</i> , 2017, 3, 621-628. | 5.3 | 216 |
| 56 | A Unified Continuous Flow Assembly-Line Synthesis of Highly Substituted Pyrazoles and Pyrazolines. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 8823-8827. | 7.2 | 133 |
| 57 | Photocontrolled Living Polymerization Systems with Reversible Deactivations through Electron and Energy Transfer. <i>Macromolecular Rapid Communications</i> , 2017, 38, 1700143. | 2.0 | 133 |
| 58 | Triflic Acid Catalyzed 1,6-Conjugate Addition of Thiols to <i>p</i> -Quinone Methides under Continuous-Flow Conditions. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 3716-3721. | 1.2 | 33 |
| 59 | The Hitchhiker's Guide to Flow Chemistry. <i>Chemical Reviews</i> , 2017, 117, 11796-11893. | 23.0 | 1,410 |
| 60 | Tailoring Polymer Molecular Weight Distribution and Multimodality in RAFT Polymerization Using Tube Reactor with Recycle. <i>Macromolecular Reaction Engineering</i> , 2017, 11, 1700023. | 0.9 | 20 |
| 61 | A photochemical flow reactor for large scale syntheses of aglalin and rocaglate natural product analogues. <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 6197-6202. | 1.4 | 27 |
| 62 | Rapid and facile chemical actinometric protocol for photo-microfluidic systems using azobenzene and NMR spectroscopy. <i>RSC Advances</i> , 2017, 7, 29815-29820. | 1.7 | 17 |
| 63 | Flow Asymmetric Propargylation: Development of Continuous Processes for the Preparation of a Chiral β -Amino Alcohol. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 9425-9429. | 7.2 | 26 |
| 64 | Safety assessment in development and operation of modular continuous-flow processes. <i>Reaction Chemistry and Engineering</i> , 2017, 2, 258-280. | 1.9 | 179 |
| 65 | Extended Study of Visible-Light-Induced Photocatalytic [4 + 2] Benzannulation: Synthesis of Polycyclic (Hetero)Aromatics. <i>Journal of Organic Chemistry</i> , 2017, 82, 4369-4378. | 1.7 | 34 |
| 66 | Vinylpyridines as Building Blocks for the Photocatalyzed Synthesis of Alkylpyridines. <i>Chemistry - A European Journal</i> , 2017, 23, 6527-6530. | 1.7 | 55 |
| 67 | Continuous flow synthesis of antimalarials: opportunities for distributed autonomous chemical manufacturing. <i>Reaction Chemistry and Engineering</i> , 2017, 2, 281-287. | 1.9 | 19 |
| 68 | Design and Scaling Up of Microchemical Systems: A Review. <i>Annual Review of Chemical and Biomolecular Engineering</i> , 2017, 8, 285-305. | 3.3 | 208 |
| 69 | Visible-Light-Induced Synthesis of Carbazoles by in Situ Formation of Photosensitizing Intermediate. <i>Organic Letters</i> , 2017, 19, 1906-1909. | 2.4 | 51 |
| 70 | Solvent-free coupling of aryl halides with pyrroles applying visible-light photocatalysis. <i>Reaction Chemistry and Engineering</i> , 2017, 2, 472-478. | 1.9 | 11 |
| 71 | Blue light mediated C-H arylation of heteroarenes using TiO ₂ as an immobilized photocatalyst in a continuous-flow microreactor. <i>Green Chemistry</i> , 2017, 19, 1911-1918. | 4.6 | 61 |
| 72 | Efficient Conjugated Polymer-Methyl Viologen Electron Transfer System for Controlled Photo-Driven Hydrogen Evolution. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 10355-10359. | 4.0 | 66 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 73 | A sensitivity analysis of a numbered-up photomicroreactor system. <i>Reaction Chemistry and Engineering</i> , 2017, 2, 109-115. | 1.9 | 50 |
| 74 | A Leaf-Inspired Luminescent Solar Concentrator for Energy-Efficient Continuous-Flow Photochemistry. <i>Angewandte Chemie</i> , 2017, 129, 1070-1074. | 1.6 | 35 |
| 75 | Formal Total Synthesis of α -Ossamine via Decarboxylative Functionalization Using Visible-Light-Mediated Photoredox Catalysis in a Flow System. <i>Journal of Organic Chemistry</i> , 2017, 82, 1248-1253. | 1.7 | 33 |
| 76 | Photoredox activation of carbon dioxide for amino acid synthesis in continuous flow. <i>Nature Chemistry</i> , 2017, 9, 453-456. | 6.6 | 330 |
| 77 | The route from problem to solution in multistep continuous flow synthesis of pharmaceutical compounds. <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 6180-6189. | 1.4 | 78 |
| 78 | A Novel Nebulizer-Based Continuous Flow Reactor: Introducing the Use of Pneumatically Generated Aerosols for Highly Productive Photooxidations. <i>ChemPhotoChem</i> , 2017, 1, 173-177. | 1.5 | 32 |
| 79 | Sunflow: Sunlight Drives Fast and Green Photochemical Flow Reactions in Simple Microcapillary Reactors – Application to Photoredox and H-Atom-Transfer Chemistry. <i>European Journal of Organic Chemistry</i> , 2017, 2099-2103. | 1.2 | 34 |
| 80 | A Leaf-Inspired Luminescent Solar Concentrator for Energy-Efficient Continuous-Flow Photochemistry. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 1050-1054. | 7.2 | 109 |
| 81 | A laboratory-scale annular continuous flow reactor for UV photochemistry using excimer lamps for discrete wavelength excitation and its use in a wavelength study of a photodecarboxylative cyclisation. <i>Green Chemistry</i> , 2017, 19, 1431-1438. | 4.6 | 23 |
| 82 | The assembly and use of continuous flow systems for chemical synthesis. <i>Nature Protocols</i> , 2017, 12, 2423-2446. | 5.5 | 92 |
| 83 | A Versatile Route to Unstable Diazo Compounds via Oxadiazolines and their Use in Aryl-Alkyl Cross-Coupling Reactions. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 16602-16605. | 7.2 | 62 |
| 84 | A Versatile Route to Unstable Diazo Compounds via Oxadiazolines and their Use in Aryl-Alkyl Cross-Coupling Reactions. <i>Angewandte Chemie</i> , 2017, 129, 16829-16832. | 1.6 | 17 |
| 85 | Photo-induced ring-closure via a looped flow reactor. <i>Reaction Chemistry and Engineering</i> , 2017, 2, 826-829. | 1.9 | 13 |
| 86 | Integrated flow processing – challenges in continuous multistep synthesis. <i>Journal of Flow Chemistry</i> , 2017, 7, 129-136. | 1.2 | 27 |
| 87 | Flow processing as a tool for API production in developing economies. <i>Journal of Flow Chemistry</i> , 2017, 7, 146-150. | 1.2 | 20 |
| 88 | Selective Activation of C-H Bonds in a Cascade Process Combining Photochemistry and Biocatalysis. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 15451-15455. | 7.2 | 108 |
| 89 | Photochemical intramolecular amination for the synthesis of heterocycles. <i>Green Chemistry</i> , 2017, 19, 4798-4803. | 4.6 | 42 |
| 90 | Direct β -Selective Hydrocarboxylation of Styrenes with CO_2 Enabled by Continuous Flow Photoredox Catalysis. <i>Journal of the American Chemical Society</i> , 2017, 139, 13969-13972. | 6.6 | 202 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 91 | Oxyfunctionalization of the Remote C-H Bonds of Aliphatic Amines by Decarboxylative Photocatalysis. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 15274-15278. | 7.2 | 109 |
| 92 | Micromixing enables chemoselective reactions of difunctional electrophiles with functional aryllithiums. <i>Reaction Chemistry and Engineering</i> , 2017, 2, 862-870. | 1.9 | 12 |
| 93 | Selective photocatalysis of lignin-inspired chemicals by integrating hybrid nanocatalysis in microfluidic reactors. <i>Chemical Society Reviews</i> , 2017, 46, 6675-6686. | 18.7 | 102 |
| 94 | Oxyfunctionalization of the Remote C-H Bonds of Aliphatic Amines by Decarboxylative Photocatalysis. <i>Angewandte Chemie</i> , 2017, 129, 15476-15480. | 1.6 | 25 |
| 95 | Selektive C-H-Bindungsaktivierung durch eine Kaskade aus Photochemie und Biokatalyse. <i>Angewandte Chemie</i> , 2017, 129, 15654-15658. | 1.6 | 34 |
| 96 | Controlling Molecular Weight Distributions through Photoinduced Flow Polymerization. <i>Macromolecules</i> , 2017, 50, 8438-8448. | 2.2 | 132 |
| 97 | A personal perspective on the future of flow photochemistry. <i>Journal of Flow Chemistry</i> , 2017, 7, 87-93. | 1.2 | 85 |
| 98 | Controlling the photochemical reaction of an azastilbene derivative in water using a water-soluble pillar[6]arene. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 7618-7622. | 1.5 | 14 |
| 99 | Every photon counts: understanding and optimizing photon paths in luminescent solar concentrator-based photomicroreactors (LSC-PMs). <i>Reaction Chemistry and Engineering</i> , 2017, 2, 561-566. | 1.9 | 32 |
| 100 | Photoinduced Nickel-Catalyzed Chemo- and Regioselective Hydroalkylation of Internal Alkynes with Ether and Amide C-H Bonds. <i>Journal of the American Chemical Society</i> , 2017, 139, 13579-13584. | 6.6 | 192 |
| 101 | Heuristics, Protocol, and Considerations for Flow Chemistry in Photoredox Catalysis. <i>ChemPhotoChem</i> , 2017, 1, 539-543. | 1.5 | 14 |
| 102 | Visible-Light Photocatalytic Decarboxylation of α,β -Unsaturated Carboxylic Acids: Facile Access to Stereoselective Difluoromethylated Styrenes in Batch and Flow. <i>ACS Catalysis</i> , 2017, 7, 7136-7140. | 5.5 | 87 |
| 103 | Nano- and micromotors for cleaning polluted waters: focused review on pollutant removal mechanisms. <i>Nanoscale</i> , 2017, 9, 13850-13863. | 2.8 | 71 |
| 104 | An In-Depth Study of the Use of Eosin Y for the Solar Photocatalytic Oxidative Coupling of Benzylic Amines. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 9826-9835. | 3.2 | 17 |
| 105 | Singlet oxygen oxidations in homogeneous continuous flow using a gas-liquid membrane reactor. <i>Reaction Chemistry and Engineering</i> , 2017, 2, 590-597. | 1.9 | 24 |
| 106 | High throughput photo-oxidations in a packed bed reactor system. <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 6203-6208. | 1.4 | 29 |
| 107 | A Unified Continuous Flow Assembly-Line Synthesis of Highly Substituted Pyrazoles and Pyrazolines. <i>Angewandte Chemie</i> , 2017, 129, 8949-8953. | 1.6 | 37 |
| 108 | Scalable Flow Synthesis of [6,6]-Phenylbutyric Acid Methyl Ester (PCBM) using a Flow Photoreactor with a Sodium Lamp. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 6483-6485. | 1.2 | 8 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 109 | Flow Asymmetric Propargylation: Development of Continuous Processes for the Preparation of a Chiral α -Amino Alcohol. <i>Angewandte Chemie</i> , 2017, 129, 9553-9557. | 1.6 | 6 |
| 110 | Photochemical Dual-Catalytic Synthesis of Alkynyl Sulfides. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 12255-12259. | 7.2 | 58 |
| 111 | Light Sources for Photochemical Processes – Estimation of Technological Potentials. <i>Chemie-Ingenieur-Technik</i> , 2017, 89, 1159-1173. | 0.4 | 79 |
| 112 | Chemoselective Continuous Ru-Catalyzed Hydrogen-Transfer Oppenauer-Type Oxidation of Secondary Alcohols. <i>Organic Process Research and Development</i> , 2017, 21, 1419-1422. | 1.3 | 23 |
| 113 | Photochemical Dual-Catalytic Synthesis of Alkynyl Sulfides. <i>Angewandte Chemie</i> , 2017, 129, 12423-12427. | 1.6 | 15 |
| 114 | Mild Esterification of Carboxylic Acids via Continuous Flow Diazotization of Amines. <i>Organic Letters</i> , 2017, 19, 4407-4410. | 2.4 | 26 |
| 115 | Visible-Light-Induced Trifluoromethylation of Highly Functionalized Arenes and Heteroarenes in Continuous Flow. <i>Synthesis</i> , 2017, 49, 4978-4985. | 1.2 | 55 |
| 116 | Metal-Free [2 + 2]-Photocycloaddition of (<i>Z</i>)-4-Arylidene-5(<i>H</i>)-Oxazolones as Straightforward Synthesis of 1,3-Diaminotruxillic Acid Precursors: Synthetic Scope and Mechanistic Studies. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 8370-8381. | 3.2 | 20 |
| 117 | Continuous Flow Synthesis of Morpholines and Oxazepanes with Silicon Amine Protocol (SLAP) Reagents and Lewis Acid Facilitated Photoredox Catalysis. <i>Organic Letters</i> , 2017, 19, 4696-4699. | 2.4 | 56 |
| 118 | Visible light-induced iniferter polymerization of methacrylates enhanced by continuous flow. <i>Polymer Chemistry</i> , 2017, 8, 6496-6505. | 1.9 | 77 |
| 119 | Integrated Micro-Flow Synthesis Based on Photochemical Wolff Rearrangement. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 6466-6473. | 1.2 | 18 |
| 120 | Laser flash photolysis of nanocrystalline α -azido-p-methoxy-acetophenone. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 7380-7386. | 1.5 | 6 |
| 121 | Visible-Light-Mediated Selective Arylation of Cysteine in Batch and Flow. <i>Angewandte Chemie</i> , 2017, 129, 12876-12881. | 1.6 | 30 |
| 122 | Visible-Light-Mediated Selective Arylation of Cysteine in Batch and Flow. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 12702-12707. | 7.2 | 94 |
| 123 | Sunlight assisted direct amide formation via a charge-transfer complex. <i>Chemical Communications</i> , 2017, 53, 10128-10131. | 2.2 | 18 |
| 124 | An environmentally benign and selective electrochemical oxidation of sulfides and thiols in a continuous-flow microreactor. <i>Green Chemistry</i> , 2017, 19, 4061-4066. | 4.6 | 133 |
| 125 | “Impossible” chemistries based on flow and micro. <i>Journal of Flow Chemistry</i> , 2017, 7, 60-64. | 1.2 | 53 |
| 126 | Visible-Light-Mediated Metal-Free Hydrosilylation of Alkenes through Selective Hydrogen Atom Transfer for Si-H Activation. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 16621-16625. | 7.2 | 149 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 127 | Visible-Light-Mediated Metal-Free Hydrosilylation of Alkenes through Selective Hydrogen Atom Transfer for Si-H Activation. <i>Angewandte Chemie</i> , 2017, 129, 16848-16852. | 1.6 | 36 |
| 128 | A solar-charged photoelectrochemical wastewater fuel cell for efficient and sustainable hydrogen production. <i>Journal of Materials Chemistry A</i> , 2017, 5, 25450-25459. | 5.2 | 54 |
| 129 | Synthesis of cyclopent-2-enones from furans using a nebulizer-based continuous flow photoreactor. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 10151-10155. | 1.5 | 14 |
| 130 | Continuous-Flow Preparation of γ -Butyrolactone Scaffolds from Renewable Fumaric and Itaconic Acids under Photosensitized Conditions. <i>Organic Process Research and Development</i> , 2017, 21, 2012-2017. | 1.3 | 28 |
| 131 | Visible-light-induced installation of oxyfluoroalkyl groups. <i>Chemical Communications</i> , 2017, 53, 12786-12789. | 2.2 | 11 |
| 132 | Aggregation-induced visible light absorption makes reactant 1,2-diisocyanoarenes act as photosensitizers in double radical isocyanide insertions. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 31443-31451. | 1.3 | 6 |
| 133 | A photoredox-neutral Smiles rearrangement of 2-aryloxybenzoic acids. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 9680-9684. | 1.5 | 25 |
| 134 | Material-Efficient Microfluidic Platform for Exploratory Studies of Visible-Light Photoredox Catalysis. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 9847-9850. | 7.2 | 46 |
| 135 | Material-Efficient Microfluidic Platform for Exploratory Studies of Visible-Light Photoredox Catalysis. <i>Angewandte Chemie</i> , 2017, 129, 9979-9982. | 1.6 | 11 |
| 136 | Chemo- and Regioselective Organo-Photoredox Catalyzed Hydroformylation of Styrenes via a Radical Pathway. <i>Journal of the American Chemical Society</i> , 2017, 139, 9799-9802. | 6.6 | 121 |
| 137 | Scalable Photocatalytic Oxidation of Methionine under Continuous-Flow Conditions. <i>Organic Process Research and Development</i> , 2017, 21, 1435-1438. | 1.3 | 79 |
| 138 | Continuous Photo-Oxidation in a Vortex Reactor: Efficient Operations Using Air Drawn from the Laboratory. <i>Organic Process Research and Development</i> , 2017, 21, 1042-1050. | 1.3 | 60 |
| 139 | 1,6-Conjugate addition of zinc alkyls to para-quinone methides in a continuous-flow microreactor. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 56-60. | 1.5 | 36 |
| 140 | The Use of Molecular Oxygen in Pharmaceutical Manufacturing: Is Flow the Way to Go?. <i>ChemSusChem</i> , 2017, 10, 32-41. | 3.6 | 104 |
| 141 | Efficiency vs. productivity in photoreactors, a case study on photochemical separation of Eu. <i>Chemical Engineering Journal</i> , 2017, 310, 240-248. | 6.6 | 13 |
| 142 | Micro-flow photosynthesis of new dienophiles for inverse-electron-demand Diels-Alder reactions. Potential applications for pretargeted in vivo PET imaging. <i>Chemical Science</i> , 2017, 8, 1251-1258. | 3.7 | 37 |
| 143 | Assessing inter- and intramolecular continuous-flow strategies towards methylphenidate (Ritalin) hydrochloride. <i>Reaction Chemistry and Engineering</i> , 2017, 2, 149-158. | 1.9 | 30 |
| 144 | Process analytical tools for flow analysis: A perspective. <i>Journal of Flow Chemistry</i> , 2017, 7, 82-86. | 1.2 | 42 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 145 | Flow chemistry in space—a unique opportunity to perform extraterrestrial research. <i>Journal of Flow Chemistry</i> , 2017, 7, 151-156. | 1.2 | 11 |
| 146 | Continuous-flow chemistry in chemical education. <i>Journal of Flow Chemistry</i> , 2017, 7, 157-158. | 1.2 | 12 |
| 147 | Recent Advances of Microfluidics Technologies in the Field of Medicinal Chemistry. <i>Annual Reports in Medicinal Chemistry</i> , 2017, 50, 87-147. | 0.5 | 3 |
| 148 | Precise macromolecular engineering via continuous-flow synthesis techniques. <i>Journal of Flow Chemistry</i> , 2017, 7, 106-110. | 1.2 | 33 |
| 149 | Contribution of microreactor technology and flow chemistry to the development of green and sustainable synthesis. <i>Beilstein Journal of Organic Chemistry</i> , 2017, 13, 520-542. | 1.3 | 158 |
| 150 | Adsorption Behavior of High Stable Zr-Based MOFs for the Removal of Acid Organic Dye from Water. <i>Materials</i> , 2017, 10, 205. | 1.3 | 56 |
| 151 | Continuous Flow Processing as a Tool for Medicinal Chemical Synthesis. , 2017, , 135-185. | | 0 |
| 152 | Photocatalytic conversion of biomass into valuable products: a meaningful approach?. <i>Green Chemistry</i> , 2018, 20, 1169-1192. | 4.6 | 181 |
| 153 | Flow-Assisted Synthesis of Bicyclic Aziridines <i>via</i> Photochemical Transformation of Pyridinium Salts. <i>Organic Process Research and Development</i> , 2018, 22, 551-556. | 1.3 | 20 |
| 154 | Process Analysis on Preparation of Cyclobutanetetracarboxylic Dianhydride in a Photomicroreactor within Gas-Liquid Taylor Flow. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 2476-2485. | 1.8 | 17 |
| 155 | Literally Green Chemical Synthesis of Artemisinin from Plant Extracts. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 5525-5528. | 7.2 | 62 |
| 156 | UV-mediated hydrophosphinylation of unactivated alkenes with phosphinates under batch and flow conditions. <i>RSC Advances</i> , 2018, 8, 8385-8392. | 1.7 | 11 |
| 157 | Expanding the Scope of Photocatalysis: Atom Transfer Radical Addition of Bromoacetonitrile to Aliphatic Olefins. <i>ChemCatChem</i> , 2018, 10, 2466-2470. | 1.8 | 15 |
| 161 | Recent advances in the integrated micro-flow synthesis containing photochemical reactions. <i>Tetrahedron Letters</i> , 2018, 59, 1691-1697. | 0.7 | 12 |
| 162 | Photochemical Synthesis of Heterocycles: Merging Flow Processing and Metal-Catalyzed Visible Light Photoredox Transformations. <i>Topics in Heterocyclic Chemistry</i> , 2018, , 103-132. | 0.2 | 3 |
| 163 | Real-time reaction control for solar production of chemicals under fluctuating irradiance. <i>Green Chemistry</i> , 2018, 20, 2459-2464. | 4.6 | 39 |
| 164 | One-Pot Synthesis of Diverse β -Lactam Scaffolds Facilitated by a Nebulizer-Based Continuous Flow Photoreactor. <i>ChemPhotoChem</i> , 2018, 2, 860-864. | 1.5 | 25 |
| 165 | An accessible visible-light actinometer for the determination of photon flux and optical pathlength in flow photo microreactors. <i>Scientific Reports</i> , 2018, 8, 5421. | 1.6 | 43 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 166 | Visible-Light-Induced Nickel-Catalyzed Negishi Cross-Couplings by Exogenous-Photosensitizer-Free Photocatalysis. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 8473-8477. | 7.2 | 65 |
| 167 | Outer-Sphere Effects in Visible-Light Photochemical Oxidations with Immobilized and Recyclable Ruthenium Bipyridyl Salts. <i>ACS Catalysis</i> , 2018, 8, 4383-4389. | 5.5 | 33 |
| 168 | Preparation of Cyclobutene Acetals and Tricyclic Oxetanes through Photochemical Tandem and Cascade Reactions. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 6592-6596. | 7.2 | 25 |
| 169 | Angled Vortex Fluidic Mediated Multicomponent Photocatalytic and Transition Metal-Catalyzed Reactions. <i>Chemistry - A European Journal</i> , 2018, 24, 8869-8874. | 1.7 | 14 |
| 170 | Selective C(sp ³)-H Aerobic Oxidation Enabled by Decatungstate Photocatalysis in Flow. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 4078-4082. | 7.2 | 179 |
| 171 | Kontinuierliche heterogene Photokatalyse in seriellen Mikro-Batch-Reaktoren. <i>Angewandte Chemie</i> , 2018, 130, 10127-10131. | 1.6 | 23 |
| 172 | Continuous Heterogeneous Photocatalysis in Serial Micro-Batch Reactors. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 9976-9979. | 7.2 | 134 |
| 173 | Enhancing the potential of enantioselective organocatalysis with light. <i>Nature</i> , 2018, 554, 41-49. | 13.7 | 466 |
| 175 | Flow Photochemistry as a Tool for the Total Synthesis of (+)-Epigalcatin. <i>Organic Letters</i> , 2018, 20, 605-607. | 2.4 | 20 |
| 176 | A Catalyst-Free Amination of Functional Organolithium Reagents by Flow Chemistry. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 4063-4066. | 7.2 | 33 |
| 177 | A Catalyst-Free Amination of Functional Organolithium Reagents by Flow Chemistry. <i>Angewandte Chemie</i> , 2018, 130, 4127-4130. | 1.6 | 15 |
| 178 | Heteroleptic Copper(I)-Based Complexes for Photocatalysis: Combinatorial Assembly, Discovery, and Optimization. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 5477-5481. | 7.2 | 138 |
| 179 | Transitioning from conventional batch to microfluidic processes for the efficient singlet oxygen photooxygenation of methionine. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 356, 193-200. | 2.0 | 13 |
| 180 | Illumination of Nanoliter-NMR Spectroscopy Chips for Real-Time Photochemical Reaction Monitoring. <i>Analytical Chemistry</i> , 2018, 90, 1542-1546. | 3.2 | 16 |
| 181 | Generation of Diversity Sets with High sp ³ Fraction Using the Photoredox Coupling of Organotrifluoroborates and Organosilicates with Heteroaryl/Aryl Bromides in Continuous Flow. <i>Journal of Organic Chemistry</i> , 2018, 83, 1551-1557. | 1.7 | 39 |
| 182 | Photoinduced Rearrangement of Dienones and Santonin Rerouted by Amines. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 904-908. | 7.2 | 7 |
| 183 | Charge Transfer Complexes as Pan-Scaled Photoinitiating Systems: From 50 μ m 3D Printed Polymers at 405 nm to Extremely Deep Photopolymerization (31 cm). <i>Macromolecules</i> , 2018, 51, 57-70. | 2.2 | 93 |
| 184 | Microflow High-p,T Intensification of Vitamin D ₃ Synthesis Using an Ultraviolet Lamp. <i>Organic Process Research and Development</i> , 2018, 22, 147-155. | 1.3 | 21 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 185 | Efficient kinetic experiments in continuous flow microreactors. <i>Reaction Chemistry and Engineering</i> , 2018, 3, 94-101. | 1.9 | 63 |
| 186 | Utilization of Stop-flow Micro-tubing Reactors for the Development of Organic Transformations. <i>Journal of Visualized Experiments</i> , 2018, , . | 0.2 | 0 |
| 187 | Process Catalyst Mass Efficiency by Using Proline Tetrazole Column-Flow System. <i>Chemistry - A European Journal</i> , 2018, 24, 1076-1079. | 1.7 | 16 |
| 188 | Unsymmetrical difunctionalization of cyclooctadiene under continuous flow conditions: expanding the scope of ring opening metathesis polymerization. <i>Chemical Science</i> , 2018, 9, 1846-1853. | 3.7 | 12 |
| 189 | Measurement of UV/VIS-absorption spectra of photochemically active solutions in continuous flow. <i>Flow Measurement and Instrumentation</i> , 2018, 59, 211-214. | 1.0 | 4 |
| 190 | Photoinduced Rearrangement of Dienones and Santonin Rerouted by Amines. <i>Angewandte Chemie</i> , 2018, 130, 916-920. | 1.6 | 1 |
| 191 | Electron transfer-induced reduction of organic halides with amines. <i>Chemical Communications</i> , 2018, 54, 5582-5585. | 2.2 | 31 |
| 192 | Preparation of Cyclobutene Acetals and Tricyclic Oxetanes through Photochemical Tandem and Cascade Reactions. <i>Angewandte Chemie</i> , 2018, 130, 6702-6706. | 1.6 | 10 |
| 193 | Transition-metal-catalyzed C-H functionalization for late-stage modification of peptides and proteins. <i>Chinese Chemical Letters</i> , 2018, 29, 1001-1008. | 4.8 | 50 |
| 194 | Polymers of Limonene Oxide and Carbon Dioxide: Polycarbonates of the Solar Economy. <i>ACS Omega</i> , 2018, 3, 4884-4890. | 1.6 | 78 |
| 195 | Heteroleptic Copper(I)-Based Complexes for Photocatalysis: Combinatorial Assembly, Discovery, and Optimization. <i>Angewandte Chemie</i> , 2018, 130, 5575-5579. | 1.6 | 25 |
| 196 | The Literature of Heterocyclic Chemistry, Part XVI, 2016. <i>Advances in Heterocyclic Chemistry</i> , 2018, 126, 173-254. | 0.9 | 6 |
| 197 | Wirklich grüne Synthese von Artemisinin aus Pflanzenextrakt. <i>Angewandte Chemie</i> , 2018, 130, 5623-5626. | 1.6 | 6 |
| 198 | Photoredox Iridium-Nickel Dual-Catalyzed Decarboxylative Arylation Cross-Coupling: From Batch to Continuous Flow via Self-Optimizing Segmented Flow Reactor. <i>Organic Process Research and Development</i> , 2018, 22, 542-550. | 1.3 | 101 |
| 199 | How Do Reaction and Reactor Conditions Affect Photoinduced Electron/Energy Transfer Reversible Addition-Fragmentation Transfer Polymerization?. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 4203-4213. | 1.8 | 52 |
| 200 | UV PhotoVap: Demonstrating How a Simple and Versatile Reactor Based on a Conventional Rotary Evaporator Can Be Used for UV Photochemistry. <i>Organic Process Research and Development</i> , 2018, 22, 595-599. | 1.3 | 14 |
| 201 | <i>N</i> -Aryltrifluoromethanesulfonimides as new trifluoromethylating agents for the (photo)catalyst-free functionalization of (hetero)aromatics. <i>Chemical Communications</i> , 2018, 54, 4144-4147. | 2.2 | 22 |
| 202 | Catalyst-free reductive amination of levulinic acid to <i>N</i> -substituted pyrrolidinones with formic acid in continuous-flow microreactor. <i>Journal of Flow Chemistry</i> , 2018, 8, 35-43. | 1.2 | 15 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 203 | Development of a Flow Photochemical Aerobic Oxidation of Benzylic C-H Bonds. <i>Organic Letters</i> , 2018, 20, 1987-1990. | 2.4 | 46 |
| 204 | Iridium-catalyzed Synthesis of Saturated N-Heterocycles from Aldehydes and SnAP Reagents with Continuous Flow Photochemistry. <i>Organic Letters</i> , 2018, 20, 2071-2075. | 2.4 | 32 |
| 205 | Photochemical tuning of materials: A click chemistry perspective. <i>Materials Today Chemistry</i> , 2018, 8, 56-84. | 1.7 | 49 |
| 206 | A microfluidic photoreactor enables 2-methylbenzophenone light-driven reactions with superior performance. <i>Chemical Communications</i> , 2018, 54, 6820-6823. | 2.2 | 30 |
| 207 | Visible-Light-Induced Nickel-Catalyzed Negishi Cross-Couplings by Exogenous Photosensitizer-Free Photocatalysis. <i>Angewandte Chemie</i> , 2018, 130, 8609-8613. | 1.6 | 11 |
| 208 | A review on microreactors: Reactor fabrication, design, and cutting-edge applications. <i>Chemical Engineering Science</i> , 2018, 189, 431-448. | 1.9 | 191 |
| 209 | A continuous-flow procedure for the synthesis of 4-Benzylidene-pyrazol-5-one derivatives. <i>Journal of Flow Chemistry</i> , 2018, 8, 29-34. | 1.2 | 3 |
| 210 | Preparation, characterizations, and antibacterial properties of Cu/SnO ₂ nanocomposite bilayer coatings. <i>Journal of Coatings Technology Research</i> , 2018, 15, 437-443. | 1.2 | 7 |
| 211 | Selective C(sp ³)-H Aerobic Oxidation Enabled by Decatungstate Photocatalysis in Flow. <i>Angewandte Chemie</i> , 2018, 130, 4142-4146. | 1.6 | 45 |
| 212 | Continuous Flow Organic Chemistry: Successes and Pitfalls at the Interface with Current Societal Challenges. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 2301-2351. | 1.2 | 188 |
| 213 | Flow Bioreactors as Complementary Tools for Biocatalytic Process Intensification. <i>Trends in Biotechnology</i> , 2018, 36, 73-88. | 4.9 | 237 |
| 214 | Photolabile coumarins with improved efficiency through azetidiny substitution. <i>Chemical Science</i> , 2018, 9, 387-391. | 3.7 | 41 |
| 215 | Development of photocatalyst coated fluoropolymer based microreactor using ultrasound for water remediation. <i>Ultrasonics Sonochemistry</i> , 2018, 41, 297-302. | 3.8 | 25 |
| 216 | An efficient and green pathway for continuous Friedel-Crafts acylation over γ -Fe ₂ O ₃ and CaCO ₃ nanoparticles prepared in the microreactors. <i>Chemical Engineering Journal</i> , 2018, 331, 443-449. | 6.6 | 21 |
| 217 | A novel micro-flow system under microwave irradiation for continuous synthesis of 1,4-dihydropyridines in the absence of solvents via Hantzsch reaction. <i>Chemical Engineering Journal</i> , 2018, 331, 161-168. | 6.6 | 39 |
| 218 | Bioinspired chemical synthesis of monomeric and dimeric stephacidin A congeners. <i>Nature Chemistry</i> , 2018, 10, 38-44. | 6.6 | 31 |
| 219 | Photokatalytische aerobe Phosphatierung von Alkenen. <i>Angewandte Chemie</i> , 2018, 130, 2484-2488. | 1.6 | 12 |
| 220 | Visible-Light-Promoted Synthesis of Dibenzofuran Derivatives. <i>Journal of Organic Chemistry</i> , 2018, 83, 805-811. | 1.7 | 32 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 221 | Selective N-monomethylation of primary anilines with dimethyl carbonate in continuous flow. <i>Tetrahedron</i> , 2018, 74, 3124-3128. | 1.0 | 16 |
| 222 | Photocatalytic Aerobic Phosphatation of Alkenes. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 2459-2463. | 7.2 | 44 |
| 223 | Photocatalytic Synthesis of $\hat{1}^3$ -Lactones from Alkenes: High-Resolution Mass Spectrometry as a Tool To Study Photoredox Reactions. <i>Organic Letters</i> , 2018, 20, 36-39. | 2.4 | 80 |
| 224 | Advanced Oxidation/Reduction Processes treatment for aqueous perfluorooctanoate (PFOA) and perfluorooctanesulfonate (PFOS) – A review of recent advances. <i>Chemical Engineering Journal</i> , 2018, 336, 170-199. | 6.6 | 390 |
| 225 | Scale-up of a Luminescent Solar Concentrator-Based Photomicroreactor via Numbering-up. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 422-429. | 3.2 | 68 |
| 226 | Organocatalyzed Photocontrolled Radical Polymerization of Semifluorinated (Meth)acrylates Driven by Visible Light. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 333-337. | 7.2 | 114 |
| 227 | 13 The Controlled Synthesis of Carbohydrates. , 2018, , . | | 0 |
| 228 | Design and characterization of visible-light LED sources for microstructured photoreactors. <i>Reaction Chemistry and Engineering</i> , 2018, 3, 849-865. | 1.9 | 28 |
| 229 | Combining organocatalysis with photoorganocatalysis: photocatalytic hydroacylation of asymmetric organocatalytic Michael addition products. <i>New Journal of Chemistry</i> , 2018, 42, 18844-18849. | 1.4 | 16 |
| 230 | Visible-Light-Mediated Metal-Free Difunctionalization of Alkenes with CO ₂ and Silanes or C(sp ³) Alkanes. <i>Angewandte Chemie</i> , 2018, 130, 17466-17470. | 1.6 | 46 |
| 231 | Visible-Light Photocatalysis of the Ketyl Radical Coupling Reaction. <i>Chemistry - A European Journal</i> , 2019, 25, 2949-2961. | 1.7 | 100 |
| 232 | Continuous-Flow Microreactors for Polymer Synthesis: Engineering Principles and Applications. <i>Topics in Current Chemistry</i> , 2018, 376, 44. | 3.0 | 32 |
| 233 | Photocatalytic Appel reaction enabled by copper-based complexes in continuous flow. <i>Beilstein Journal of Organic Chemistry</i> , 2018, 14, 2730-2736. | 1.3 | 14 |
| 234 | An Optical Microreactor Enabling In Situ Spectroscopy Combined with Fast Gas-Liquid Mass Transfer. <i>Chemie-Ingenieur-Technik</i> , 2018, 90, 1855-1863. | 0.4 | 10 |
| 235 | Porphyrins as Photoredox Catalysts in Csp ² -H Arylations: Batch and Continuous Flow Approaches. <i>Journal of Organic Chemistry</i> , 2018, 83, 15077-15086. | 1.7 | 51 |
| 236 | Visible-Light-Mediated Metal-Free Difunctionalization of Alkenes with CO ₂ and Silanes or C(sp ³) Alkanes. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 17220-17224. | 7.2 | 227 |
| 237 | Degenerative xanthate transfer to olefins under visible-light photocatalysis. <i>Beilstein Journal of Organic Chemistry</i> , 2018, 14, 3047-3058. | 1.3 | 21 |
| 238 | 3-Hydroxyflavone and N-phenylglycine in High Performance Photoinitiating Systems for 3D Printing and Photocomposites Synthesis. <i>Journal of Material Science & Engineering</i> , 2018, 07, . | 0.2 | 0 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 239 | Rational Design of High-Performance Continuous-Flow Microreactors Based on Gold Nanoclusters and Graphene for Catalysis. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 15425-15433. | 3.2 | 24 |
| 240 | Borocyclopropanation of Styrenes Mediated by UV-light Under Continuous Flow Conditions. <i>Angewandte Chemie</i> , 2018, 130, 13702-13706. | 1.6 | 7 |
| 241 | Chemoselective Synthesis of Amines from Ammonium Hydroxide and Hydroxylamine in Continuous Flow. <i>Journal of Organic Chemistry</i> , 2018, 83, 14203-14209. | 1.7 | 9 |
| 242 | Base-Catalyzed 1,6-Conjugate Addition of Nitroalkanes to <i>p</i> -Quinone Methides under Continuous Flow. <i>ACS Omega</i> , 2018, 3, 13967-13976. | 1.6 | 7 |
| 243 | Microfluidic light-driven synthesis of tetracyclic molecular architectures. <i>Beilstein Journal of Organic Chemistry</i> , 2018, 14, 2418-2424. | 1.3 | 15 |
| 244 | Integrating thin film microfluidics in developing a concise synthesis of DGJNAc: A potent inhibitor of β -N-acetylgalctosaminidases. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2018, 28, 3748-3751. | 1.0 | 4 |
| 245 | Heterogeneous Photocatalysis for Selective Formation of High-Value-Added Molecules: Some Chemical and Engineering Aspects. <i>ACS Catalysis</i> , 2018, 8, 11191-11225. | 5.5 | 166 |
| 246 | Peptide Synthesis Utilizing Microflow Technology. <i>Chemistry - an Asian Journal</i> , 2018, 13, 3818-3832. | 1.7 | 35 |
| 247 | Photoinduced Palladium-Catalyzed Negishi Cross-Couplings Enabled by the Visible-Light Absorption of Palladium-Zinc Complexes. <i>Angewandte Chemie</i> , 2018, 130, 13415-13420. | 1.6 | 9 |
| 248 | C-H functionalisation of aldehydes using light generated, non-stabilised diazo compounds in flow. <i>Chemical Communications</i> , 2018, 54, 11685-11688. | 2.2 | 20 |
| 249 | Borocyclopropanation of Styrenes Mediated by UV-light Under Continuous Flow Conditions. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 13514-13518. | 7.2 | 45 |
| 250 | Controlled photo-flow oxidative reaction (UV-FOR) platform for ultra-fast phthalide and API synthesis. <i>Green Chemistry</i> , 2018, 20, 4584-4590. | 4.6 | 20 |
| 251 | Photoinduced Palladium-Catalyzed Negishi Cross-Couplings Enabled by the Visible-Light Absorption of Palladium-Zinc Complexes. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 13231-13236. | 7.2 | 43 |
| 252 | Ultraschnelle PhotoRAFT-Blockcopolymerisation von Isopren und Styrol im kontinuierlichen Flussreaktor. <i>Angewandte Chemie</i> , 2018, 130, 14456-14460. | 1.6 | 4 |
| 253 | Microtubing-Reactor-Assisted Aliphatic C-H Functionalization with HCl as a Hydrogen-Atom-Transfer Catalyst Precursor in Conjunction with an Organic Photoredox Catalyst. <i>Angewandte Chemie</i> , 2018, 130, 12843-12847. | 1.6 | 38 |
| 254 | Thiol-Ene Coupling in a Continuous PhotoFlow Regime. <i>ChemPhotoChem</i> , 2018, 2, 884-889. | 1.5 | 7 |
| 255 | Ultrafast PhotoRAFT Block Copolymerization of Isoprene and Styrene Facilitated through Continuous-Flow Operation. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 14260-14264. | 7.2 | 53 |
| 256 | Improving Continuous Flow Singlet Oxygen Photooxygenation Reactions with Functionalized Mesoporous Silica Nanoparticles. <i>ChemPhotoChem</i> , 2018, 2, 890-897. | 1.5 | 31 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 257 | Photoorganocatalysis, small organic molecules and light in the service of organic synthesis: the awakening of a sleeping giant. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 4596-4614. | 1.5 | 207 |
| 258 | Nâ€Heterocyclic Carbeneâ€Protected Ag Nanoparticles Immobilized on Polyacrylonitrile Fiber as Efficient Catalysts for a Threeâ€Component Coupling Reaction. <i>Chemistry - an Asian Journal</i> , 2018, 13, 1561-1569. | 1.7 | 21 |
| 259 | Exploiting Photochemical Processes in Multiâ€Step Continuous Flow: Derivatization of the Natural Product Clausine C. <i>ChemPhotoChem</i> , 2018, 2, 855-859. | 1.5 | 15 |
| 260 | Photoinduced Controlled Radical Polymerizations Performed in Flow: Methods, Products, and Opportunities. <i>Chemistry of Materials</i> , 2018, 30, 3931-3942. | 3.2 | 69 |
| 261 | Continuous Flow Science in an Undergraduate Teaching Laboratory: Photocatalytic Thiolâ€Ene Reaction Using Visible Light. <i>Journal of Chemical Education</i> , 2018, 95, 1073-1077. | 1.1 | 19 |
| 262 | Intensification of photocatalytic degradation of organic dyes and phenol by scale-up and numbering-up of meso- and microfluidic TiO ₂ reactors for wastewater treatment. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 364, 59-75. | 2.0 | 43 |
| 263 | Synchronized biphotonic process triggering C C coupling catalytic reactions. <i>Applied Catalysis B: Environmental</i> , 2018, 237, 18-23. | 10.8 | 38 |
| 264 | Studies Toward the Scaling of Gasâ€Liquid Photocycloadditions. <i>ChemPhotoChem</i> , 2018, 2, 931-937. | 1.5 | 19 |
| 265 | Pd NP-Loaded and Covalently Cross-Linked COF Membrane Microreactor for Aqueous CBs Dechlorination at Room Temperature. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 20448-20457. | 4.0 | 70 |
| 266 | Continuous Endoperoxidation of Conjugated Dienes and Subsequent Rearrangements Leading to Câ€H Oxidized Synthons. <i>Journal of Organic Chemistry</i> , 2018, 83, 7574-7585. | 1.7 | 37 |
| 267 | Organic photocatalysis for the radical couplings of boronic acid derivatives in batch and flow. <i>Chemical Communications</i> , 2018, 54, 5606-5609. | 2.2 | 64 |
| 268 | Towards Versatile Continuousâ€Flow Chemistry and Process Technology Via New Conceptual Microreactor Systems. <i>Bulletin of the Korean Chemical Society</i> , 2018, 39, 757-772. | 1.0 | 27 |
| 269 | Multi-Step Continuous Flow Synthesis of Î ² /Î ³ -Substituted Ketones. <i>ChemPhotoChem</i> , 2018, 2, 847-850. | 1.5 | 8 |
| 270 | A Detailed Study of Irradiation Requirements Towards an Efficient Photochemical Wohlâ€Ziegler Procedure in Flow. <i>ChemPhotoChem</i> , 2018, 2, 938-944. | 1.5 | 27 |
| 271 | Modulation of reactivity of singlet radical pair in continuous flow: Photo-Fries rearrangement. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 364, 316-321. | 2.0 | 4 |
| 272 | Enhanced photocatalytic activity of Bi ₂ O ₃ /TiO ₂ preferentially oriented growth along [200] with various surfactants. <i>Journal of Materials Science</i> , 2018, 53, 14217-14230. | 1.7 | 17 |
| 273 | Investigation of fixed-bed photocatalytic membrane reactors based on submerged ceramic membranes. <i>Chemical Engineering Science</i> , 2018, 191, 332-342. | 1.9 | 23 |
| 274 | Integrating continuous flow synthesis with in-line analysis and data generation. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 5946-5954. | 1.5 | 34 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 275 | Microtubingâ€Reactorâ€Assisted Aliphatic Câ [~] H Functionalization with HCl as a Hydrogenâ€Atomâ€Transfer Catalyst Precursor in Conjunction with an Organic Photoredox Catalyst. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 12661-12665. | 7.2 | 167 |
| 276 | Light on the Horizon: Current Research and Future Perspectives in Flow Photochemistry. <i>Organic Process Research and Development</i> , 2018, 22, 1045-1062. | 1.3 | 139 |
| 277 | A Fully Automated Continuousâ€Flow Platform for Fluorescence Quenching Studies and Sternâ€Volmer Analysis. <i>Angewandte Chemie</i> , 2018, 130, 11448-11452. | 1.6 | 12 |
| 278 | Alkoxy Radicals Generated under Photoredox Catalysis: A Strategy for antiâ€Markovnikov Alkoxylation Reactions. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 13790-13794. | 7.2 | 98 |
| 279 | Recent Developments in the Photoâ€Mediated Generation of Silyl Radicals and Their Application in Organic Synthesis. <i>ChemPhotoChem</i> , 2018, 2, 839-846. | 1.5 | 88 |
| 280 | Flow Photochemistry of Azosulfones: Application of â€Sunflowâ€Reactors. <i>ChemPhotoChem</i> , 2018, 2, 878-883. | 1.5 | 26 |
| 281 | Impact of continuous flow chemistry in the synthesis of natural products and active pharmaceutical ingredients. <i>Anais Da Academia Brasileira De Ciencias</i> , 2018, 90, 1131-1174. | 0.3 | 46 |
| 282 | Sequential double Câ [~] H functionalization of 2,5-norbornadiene in flow. <i>Reaction Chemistry and Engineering</i> , 2018, 3, 635-639. | 1.9 | 12 |
| 283 | Selective functionalization of methane, ethane, and higher alkanes by cerium photocatalysis. <i>Science</i> , 2018, 361, 668-672. | 6.0 | 480 |
| 284 | Continuous Flow Photochemical Benzylic Bromination of a Key Intermediate in the Synthesis of a 2-Oxazolidinone. <i>ChemPhotoChem</i> , 2018, 2, 906-912. | 1.5 | 17 |
| 285 | Enzymatic Synthesis of Thioesters from Thiols and Vinyl Esters in a Continuous-Flow Microreactor. <i>Catalysts</i> , 2018, 8, 249. | 1.6 | 8 |
| 286 | Visible Light-Mediated Polymerization-Induced Self-Assembly Using Continuous Flow Reactors. <i>Macromolecules</i> , 2018, 51, 5165-5172. | 2.2 | 105 |
| 287 | An FEP Microfluidic Reactor for Photochemical Reactions. <i>Micromachines</i> , 2018, 9, 156. | 1.4 | 5 |
| 288 | Application of a micro-meso-structured reactor (NETmix) to promote photochemical UVC/H ₂ O ₂ processes â€ oxidation of As(III) to As(V). <i>Photochemical and Photobiological Sciences</i> , 2018, 17, 1179-1188. | 1.6 | 5 |
| 289 | Perspective: Interfacial materials at the interface of energy and water. <i>Journal of Applied Physics</i> , 2018, 124, . | 1.1 | 106 |
| 290 | Visible-Light Photocatalytic Difluoroalkylation-Induced 1, 2-Heteroarene Migration of Allylic Alcohols in Batch and Flow. <i>Journal of Organic Chemistry</i> , 2018, 83, 11377-11384. | 1.7 | 40 |
| 291 | Crystal violet and toxicity removal by adsorption and simultaneous photocatalysis in a continuous flow micro-reactor. <i>Science of the Total Environment</i> , 2018, 644, 430-438. | 3.9 | 49 |
| 292 | A Fully Automated Continuousâ€Flow Platform for Fluorescence Quenching Studies and Sternâ€Volmer Analysis. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 11278-11282. | 7.2 | 73 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 293 | Glass wool: a novel support for heterogeneous catalysis. <i>Chemical Science</i> , 2018, 9, 6844-6852. | 3.7 | 30 |
| 294 | Radical Carbonylation Mediated by Continuous-Flow Visible-Light Photocatalysis: Access to 2,3-Dihydrobenzofurans. <i>Organic Letters</i> , 2018, 20, 4663-4666. | 2.4 | 45 |
| 295 | Organocatalytic Oxidative Cyclization of Amidoximes for the Synthesis of 1,2,4-Oxadiazolines. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 2626-2631. | 2.1 | 10 |
| 296 | Flow-photochemical synthesis of the functionalized benzobicyclo[3.2.1]octadiene skeleton. <i>Journal of Molecular Structure</i> , 2018, 1168, 165-174. | 1.8 | 9 |
| 297 | Microwave-assisted valorization of pig bristles: towards visible light photocatalytic chalcocite composites. <i>Green Chemistry</i> , 2018, 20, 3001-3007. | 4.6 | 20 |
| 298 | Experimental Determination of Photon Fluxes in Multilayer Capillary Photoreactors. <i>ChemPhotoChem</i> , 2018, 2, 913-921. | 1.5 | 29 |
| 299 | Alkoxy Radicals Generated under Photoredox Catalysis: A Strategy for anti-Markovnikov Alkoxylation Reactions. <i>Angewandte Chemie</i> , 2018, 130, 13986-13990. | 1.6 | 31 |
| 300 | Photocatalytic upgrading of natural gas. <i>Science</i> , 2018, 361, 647-648. | 6.0 | 6 |
| 301 | The Evolving State of Continuous Processing in Pharmaceutical API Manufacturing: A Survey of Pharmaceutical Companies and Contract Manufacturing Organizations. <i>Organic Process Research and Development</i> , 2018, 22, 1143-1166. | 1.3 | 72 |
| 302 | Design and construction of an open source-based photometer and its applications in flow chemistry. <i>Reaction Chemistry and Engineering</i> , 2018, 3, 478-486. | 1.9 | 14 |
| 303 | Photoredox-Catalyzed Cascade Radical Cyclization of Ester Arylpropiolates with CF ₃ SO ₂ Cl To Construct 3-Trifluoromethyl Coumarin Derivatives. <i>Journal of Organic Chemistry</i> , 2018, 83, 8607-8614. | 1.7 | 59 |
| 304 | Continuous Visible-Light Photoflow Approach for a Manganese-Catalyzed (Het)Arene C-H Arylation. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 10625-10629. | 7.2 | 83 |
| 305 | Organic Synthesis without Conventional Solvents. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 4213-4232. | 1.2 | 53 |
| 306 | Spectral properties and structure of unsymmetrical diarylethenes based on thiazole ring with hydrogen at the reactive carbon. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 203, 348-356. | 2.0 | 2 |
| 307 | Rapid Production of trans -Cyclooctenes in Continuous Flow. <i>ChemPhotoChem</i> , 2018, 2, 898-905. | 1.5 | 8 |
| 308 | Laser-Mediated Photo-High-Pressure Intensification of Vitamin D ₃ Synthesis in Continuous Flow. <i>ChemPhotoChem</i> , 2018, 2, 922-930. | 1.5 | 9 |
| 309 | Continuous Visible-Light Photoflow Approach for a Manganese-Catalyzed (Het)Arene C-H Arylation. <i>Angewandte Chemie</i> , 2018, 130, 10785-10789. | 1.6 | 23 |
| 310 | Liquid-Liquid Slug-Flow Accelerated [2+2] Photocycloaddition of Cinnamates. <i>ChemPhotoChem</i> , 2018, 2, 865-869. | 1.5 | 19 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 311 | 3-Hydroxyflavone and <i>N</i> -Phenylglycine in High Performance Photoinitiating Systems for 3D Printing and Photocomposites Synthesis. <i>Macromolecules</i> , 2018, 51, 4633-4641. | 2.2 | 85 |
| 312 | Continuous synthesis of silver plates in a continuous stirring tank reactor (CSTR). <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 66, 411-418. | 2.9 | 7 |
| 313 | Application of metal oxide-based photocatalysis. , 2018, , 211-340. | | 13 |
| 314 | Continuous flow biocatalysis. <i>Chemical Society Reviews</i> , 2018, 47, 5891-5918. | 18.7 | 258 |
| 315 | Photocatalytic Modification of Amino Acids, Peptides, and Proteins. <i>Chemistry - A European Journal</i> , 2019, 25, 26-42. | 1.7 | 145 |
| 316 | Catalytic Aerobic Oxidation of C(sp ³)-H Bonds. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 7946-7970. | 7.2 | 202 |
| 317 | Katalytische, aerobe Oxidation von C(sp ³)-C-H-Bindungen. <i>Angewandte Chemie</i> , 2019, 131, 8028-8055. | 1.6 | 35 |
| 318 | Generation and Reaction of Functional Alkylolithiums by Using Microreactors and Their Application to Heterotelechelic Polymer Synthesis. <i>Chemistry - A European Journal</i> , 2019, 25, 13719-13727. | 1.7 | 20 |
| 319 | Visible-Light-Induced Trifluoromethylation of Unactivated Alkenes with Tri(9-anthryl)borane as an Organophotocatalyst. <i>Journal of Organic Chemistry</i> , 2019, 84, 12925-12932. | 1.7 | 33 |
| 320 | Energy-Efficient Solar Photochemistry with Luminescent Solar Concentrator Based Photomicroreactors. <i>Angewandte Chemie</i> , 2019, 131, 14512-14516. | 1.6 | 18 |
| 321 | Efficient Photocatalytic Removal of Methylene Blue Using a Metalloporphyrin-Poly(vinylidene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 31763-31776. | 4.0 | 31 |
| 322 | Enantioselective photooxygenation of Î²-dicarbonyl compounds in batch and flow photomicroreactors. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 7938-7942. | 1.5 | 31 |
| 323 | Nanocellulose sponges as efficient continuous flow reactors. <i>Carbohydrate Polymers</i> , 2019, 224, 115184. | 5.1 | 4 |
| 324 | Oxo-Thiolation of Cationically Polymerizable Alkenes Using Flow Microreactors. <i>Chemistry - A European Journal</i> , 2019, 25, 15239-15243. | 1.7 | 10 |
| 325 | Application of metal oxide semiconductors in light-driven organic transformations. <i>Catalysis Science and Technology</i> , 2019, 9, 5186-5232. | 2.1 | 143 |
| 326 | Reaction-volume dependent chemistry of highly selective photocatalytic reduction of nitrobenzene. <i>Reaction Chemistry and Engineering</i> , 2019, 4, 1752-1756. | 1.9 | 11 |
| 327 | Selective synthesis of azoxybenzenes from nitrobenzenes by visible light irradiation under continuous flow conditions. <i>Reaction Chemistry and Engineering</i> , 2019, 4, 2055-2059. | 1.9 | 8 |
| 328 | Energy-Efficient Solar Photochemistry with Luminescent Solar Concentrator Based Photomicroreactors. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 14374-14378. | 7.2 | 80 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 329 | Photon upconversion for the enhancement of microfluidic photochemical synthesis. RSC Advances, 2019, 9, 26172-26175. | 1.7 | 7 |
| 330 | Neutral Eosin Photocatalyzed Silane Chlorination Using Dichloromethane. Angewandte Chemie - International Edition, 2019, 58, 12580-12584. | 7.2 | 55 |
| 331 | Exploring the Photochemical Reactivity of Multifunctional Photocaged Dienes in Continuous Flow. ChemPhotoChem, 2019, 3, 1146-1152. | 1.5 | 4 |
| 332 | Visible-light-mediated deuteration of silanes with deuterium oxide. Chemical Science, 2019, 10, 7340-7344. | 3.7 | 60 |
| 333 | Rose Bengal Immobilized on Supported Ionic-Liquid-Like Phases: An Efficient Photocatalyst for Batch and Flow Processes. ChemSusChem, 2019, 12, 3996-4004. | 3.6 | 16 |
| 334 | Neutral Eosin Photocatalyzed Silane Chlorination Using Dichloromethane. Angewandte Chemie, 2019, 131, 12710-12714. | 1.6 | 10 |
| 335 | A Photoredox Coupling Reaction of Benzylboronic Esters and Carbonyl Compounds in Batch and Flow. Organic Letters, 2019, 21, 6140-6144. | 2.4 | 20 |
| 336 | Catalyst shuttling enabled by a thermoresponsive polymeric ligand: facilitating efficient cross-couplings with continuously recyclable ppm levels of palladium. Chemical Science, 2019, 10, 8331-8337. | 3.7 | 8 |
| 337 | Multi-functional photocatalytic fuel cell for simultaneous removal of organic pollutant and chromium (VI) accompanied with electricity production. Chemosphere, 2019, 237, 124457. | 4.2 | 24 |
| 338 | Practical Continuous-Flow Controlled/Living Anionic Polymerization. Chemical Engineering and Technology, 2019, 42, 2154-2163. | 0.9 | 8 |
| 339 | Sustainable Carbene Transfer Reactions with Iron and Light. Synlett, 2019, 30, 1929-1934. | 1.0 | 58 |
| 340 | Preparation and electrochemical performance of uniform RuO ₂ /Ti and RuO ₂ ·xH ₂ O/Ti electrode for electrolysis of NaCl solution. Canadian Journal of Chemical Engineering, 2019, 97, 3002-3011. | 0.9 | 6 |
| 341 | Visible light-mediated photo-oxygenation of arylcyclohexenes. Organic Chemistry Frontiers, 2019, 6, 2877-2883. | 2.3 | 16 |
| 342 | Implementing Hydrogen Atom Transfer (HAT) Catalysis for Rapid and Selective Reductive Photoredox Transformations in Continuous Flow. European Journal of Organic Chemistry, 2019, 2019, 5807-5811. | 1.2 | 20 |
| 343 | Accessing 1,2-Substituted Cyclobutanes through 1,2-Azaborine Photoisomerization. Angewandte Chemie - International Edition, 2019, 58, 18918-18922. | 7.2 | 30 |
| 344 | Process Intensification for the Synthesis of 6-Allyl-6-azabicyclo[3.1.0]hex-3-en-2-ol from 1-Allylpyridinium Salt Using a Continuous UV-Light Photoflow Approach. Methods and Protocols, 2019, 2, 67. | 0.9 | 6 |
| 345 | Reactivity Tuning for Radical Radical Cross-Coupling via Selective Photocatalytic Energy Transfer: Access to Amine Building Blocks. ACS Catalysis, 2019, 9, 10454-10463. | 5.5 | 74 |
| 346 | Rational Design of Acyldiphenylphosphine Oxides as Photoinitiators of Radical Polymerization. Macromolecules, 2019, 52, 7886-7893. | 2.2 | 43 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 347 | Accessing 1,2-Substituted Cyclobutanes through 1,2-Azaborine Photoisomerization. <i>Angewandte Chemie</i> , 2019, 131, 19094-19098. | 1.6 | 8 |
| 348 | Flow Chemistry: Towards A More Sustainable Heterocyclic Synthesis. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 7188-7217. | 1.2 | 33 |
| 349 | Exploiting Imine Photochemistry for Masked N-Centered Radical Reactivity. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 19000-19006. | 7.2 | 39 |
| 350 | Metal-Free Photocatalytic Synthesis of <i>exo</i> -Chloromethylene 2-Oxazolidinones: An Alternative Strategy for CO ₂ Valorization with Solar Energy. <i>ChemSusChem</i> , 2019, 12, 5081-5085. | 3.6 | 19 |
| 351 | Visible-Light-Driven Enantioselective Aerobic Oxidation of 1,2-Dicarbonyl Compounds Catalyzed by Cinchona-Derived Phase Transfer Catalysts in Batch and Semi-Flow. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 5245-5252. | 2.1 | 27 |
| 352 | 110th Anniversary: A Perspective on Catalytic Oxidative Processes for Sustainable Water Remediation. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 17325-17337. | 1.8 | 13 |
| 353 | Accelerated Organic Photoreactions in Flow Microreactors under Gas-Liquid Slug Flow Conditions Using N ₂ Gas as an Unreactive Substance. <i>Bulletin of the Chemical Society of Japan</i> , 2019, 92, 1467-1473. | 2.0 | 10 |
| 354 | Light as a reaction parameter – systematic wavelength screening in photochemical synthesis. <i>Reaction Chemistry and Engineering</i> , 2019, 4, 1912-1916. | 1.9 | 21 |
| 355 | Direct Transformation of Nitroalkanes to Nitriles Enabled by Visible-Light Photoredox Catalysis and a Domino Reaction Process. <i>Organic Letters</i> , 2019, 21, 7750-7754. | 2.4 | 16 |
| 356 | Additive manufacturing of photoactive polymers for visible light harvesting. <i>Energy Procedia</i> , 2019, 158, 5608-5614. | 1.8 | 13 |
| 357 | Designing Microflowreactors for Photocatalysis Using Sonochemistry: A Systematic Review Article. <i>Molecules</i> , 2019, 24, 3315. | 1.7 | 24 |
| 358 | Intermolecular Radical Addition to Ketoacids Enabled by Boron Activation. <i>Journal of the American Chemical Society</i> , 2019, 141, 16237-16242. | 6.6 | 72 |
| 359 | Flow Rhodoelectro-Catalyzed Alkyne Annulations by Versatile C-H Activation: Mechanistic Support for Rhodium(III/IV). <i>Journal of the American Chemical Society</i> , 2019, 141, 17198-17206. | 6.6 | 126 |
| 360 | Synthesis of fluoroalkylated alkynes via visible-light photocatalysis. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 1758-1762. | 1.5 | 27 |
| 361 | Riboflavin as a Bioorganic Solar Fuel: Photoredox Chemistry Rationalized and Accelerated in a Miniaturized Flow Photoreactor. <i>ChemPhotoChem</i> , 2019, 3, 198-203. | 1.5 | 5 |
| 362 | Alkyl lithium Compounds Bearing Electrophilic Functional Groups: A Flash Chemistry Approach. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 4027-4030. | 7.2 | 34 |
| 363 | Alkyl lithium Compounds Bearing Electrophilic Functional Groups: A Flash Chemistry Approach. <i>Angewandte Chemie</i> , 2019, 131, 4067-4070. | 1.6 | 14 |
| 364 | Towards a Scalable Synthesis of Oxabicyclo[2.2.0]hex-5-ene Using Flow Photochemistry. <i>ChemPhotoChem</i> , 2019, 3, 229-232. | 1.5 | 15 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 365 | Photoredox-Catalyzed Generation of Acetonyl Radical in Flow: Theoretical Investigation and Synthetic Applications. <i>ACS Catalysis</i> , 2019, 9, 2493-2500. | 5.5 | 25 |
| 366 | Photochemical benzylic bromination in continuous flow using BrCCl ₃ and its application to telescoped p-methoxybenzyl protection. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 1384-1388. | 1.5 | 13 |
| 367 | Overcoming limitations in photochemical UVC/H ₂ O ₂ systems using a mili-photoreactor (NETmix): Oxytetracycline oxidation. <i>Science of the Total Environment</i> , 2019, 660, 982-992. | 3.9 | 16 |
| 368 | Photoredox catalysis using infrared light via triplet fusion upconversion. <i>Nature</i> , 2019, 565, 343-346. | 13.7 | 447 |
| 369 | Photo-organocatalytic synthesis of acetals from aldehydes. <i>Green Chemistry</i> , 2019, 21, 669-674. | 4.6 | 56 |
| 370 | Sensitized [2 + 2] intramolecular photocycloaddition of unsaturated enones using UV LEDs in a continuous flow reactor: kinetic and preparative aspects. <i>Reaction Chemistry and Engineering</i> , 2019, 4, 828-837. | 1.9 | 6 |
| 371 | Enabling synthesis in fragment-based drug discovery by reactivity mapping: photoredox-mediated cross-dehydrogenative heteroarylation of cyclic amines. <i>Chemical Science</i> , 2019, 10, 2264-2271. | 3.7 | 79 |
| 372 | Electrochemistry and Photoredox Catalysis: A Comparative Evaluation in Organic Synthesis. <i>Molecules</i> , 2019, 24, 2122. | 1.7 | 82 |
| 373 | Microfluidic process intensification for synthesis and formulation in the pharmaceutical industry. <i>Chemical Engineering and Processing: Process Intensification</i> , 2019, 142, 107559. | 1.8 | 27 |
| 374 | Photocatalytic hydrogen evolution of 1-tetralones to 1±-naphthols by continuous-flow technology. <i>Catalysis Science and Technology</i> , 2019, 9, 3337-3341. | 2.1 | 7 |
| 375 | Ni/Photoredox-Dual-Catalyzed Functionalization of 1-Thiosugars. <i>Organic Letters</i> , 2019, 21, 5132-5137. | 2.4 | 32 |
| 376 | Visible-Light-Mediated Iodoperfluoroalkylation of Alkenes in Flow and Its Application to the Synthesis of a Key Fulvestrant Intermediate. <i>Organic Letters</i> , 2019, 21, 5341-5345. | 2.4 | 81 |
| 377 | Design and application of diimine-based copper(i) complexes in photoredox catalysis. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 8343-8347. | 1.5 | 15 |
| 378 | Photocatalysis in a multi-capillary assembly microreactor: toward up-scaling the synthesis of 2H-indazoles as drug scaffolds. <i>Reaction Chemistry and Engineering</i> , 2019, 4, 1466-1471. | 1.9 | 23 |
| 379 | A dual photoredox-nickel strategy for remote functionalization via iminyl radicals: radical ring-opening-arylation, -vinylation and -alkylation cascades. <i>Chemical Science</i> , 2019, 10, 7728-7733. | 3.7 | 70 |
| 380 | Generation of N-Centered Radicals via a Photocatalytic Energy Transfer: Remote Double Functionalization of Arenes Facilitated by Singlet Oxygen. <i>Journal of the American Chemical Society</i> , 2019, 141, 10538-10545. | 6.6 | 75 |
| 381 | Nanostructured materials for photocatalysis. <i>Chemical Society Reviews</i> , 2019, 48, 3868-3902. | 18.7 | 744 |
| 382 | Visible light triggered photo-decomposition of vinyl azides to stilbene derivatives via 1,2-acyl migration. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 5971-5981. | 1.5 | 12 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 383 | Keto-Difluoromethylation of Aromatic Alkenes by Photoredox Catalysis: Step-Economical Synthesis of α -CF ₂ -H-Substituted Ketones in Flow. ACS Catalysis, 2019, 9, 6555-6563. | 5.5 | 42 |
| 384 | Monolithiation of 5,5-Dibromo-2,2-bithiophene Using Flow Microreactors: Mechanistic Implications and Synthetic Applications. Chemical Engineering and Technology, 2019, 42, 2113-2118. | 0.9 | 6 |
| 385 | Continuous manufacturing – the Green Chemistry promise?. Green Chemistry, 2019, 21, 3481-3498. | 4.6 | 222 |
| 386 | [(DPEPhos)(bcp)Cu]PF ₆ : A General and Broadly Applicable Copper-Based Photoredox Catalyst. Journal of Visualized Experiments, 2019, , . | 0.2 | 0 |
| 387 | Profiling the Privileges of Pyrrolidine-Based Catalysts in Asymmetric Synthesis: From Polar to Light-Driven Radical Chemistry. ACS Catalysis, 2019, 9, 6058-6072. | 5.5 | 59 |
| 388 | Miniaturized and Automated Synthesis of Biomolecules – Overview and Perspectives. Advanced Materials, 2019, 31, 1806656. | 11.1 | 15 |
| 389 | Hydrogen peroxide driven biocatalysis. Green Chemistry, 2019, 21, 3232-3249. | 4.6 | 133 |
| 390 | Photoenzymatic Hydroxylation of Ethylbenzene Catalyzed by Unspecific Peroxygenase: Origin of Enzyme Inactivation and the Impact of Light Intensity and Temperature. ChemCatChem, 2019, 11, 3093-3100. | 1.8 | 31 |
| 391 | The Evolution of High-Throughput Experimentation in Pharmaceutical Development and Perspectives on the Future. Organic Process Research and Development, 2019, 23, 1213-1242. | 1.3 | 279 |
| 392 | In-situ monitoring of the evolution of the optical properties for UV LED irradiated polymer-based photo-induced nanocomposites. Applied Surface Science, 2019, 486, 376-382. | 3.1 | 5 |
| 393 | Practical and regioselective amination of arenes using alkyl amines. Nature Chemistry, 2019, 11, 426-433. | 6.6 | 181 |
| 394 | Continuous-Flow Visible Light Organophotocatalysis for Direct Arylation of 2-H-Indazoles: Fast Access to Drug Molecules. ChemSusChem, 2019, 12, 2581-2586. | 3.6 | 39 |
| 395 | Ruthenium polypyridyl complex-catalysed aryl alkoxylation of styrenes: improving reactivity using a continuous flow photo-microreactor. Reaction Chemistry and Engineering, 2019, 4, 995-999. | 1.9 | 3 |
| 396 | Catalysis in medicinal chemistry. Reaction Chemistry and Engineering, 2019, 4, 1530-1535. | 1.9 | 13 |
| 397 | Tuning photosensitized singlet oxygen production from microgels synthesized by polymerization in aqueous dispersed media. Polymer Chemistry, 2019, 10, 3170-3179. | 1.9 | 12 |
| 398 | Photocatalytic Atom Transfer Radical Addition to Olefins Utilizing Novel Photocatalysts. Molecules, 2019, 24, 1644. | 1.7 | 23 |
| 399 | Illuminating Photoredox Catalysis. Trends in Chemistry, 2019, 1, 111-125. | 4.4 | 333 |
| 400 | Regioselective Photocycloaddition of Saccharin Anion to α -Systems: Continuous-Flow Synthesis of Benzosultams. Journal of Organic Chemistry, 2019, 84, 3871-3880. | 1.7 | 17 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 401 | An innovative photoreactor, FluHelik, to promote UVC/H ₂ O ₂ photochemical reactions: Tertiary treatment of an urban wastewater. <i>Science of the Total Environment</i> , 2019, 667, 197-207. | 3.9 | 25 |
| 402 | Facile Synthesis of BiVO ₄ for Visible-Light-Induced C-C Bond Cleavage of Alkenes to Generate Carbonyls. <i>ChemSusChem</i> , 2019, 12, 3018-3022. | 3.6 | 27 |
| 403 | Functionalized hollow MnFe ₂ O ₄ nanospheres: design, applications and mechanism for efficient adsorption of heavy metal ions. <i>New Journal of Chemistry</i> , 2019, 43, 5879-5889. | 1.4 | 19 |
| 404 | Enantiocomplementary decarboxylative hydroxylation combining photocatalysis and whole-cell biocatalysis in a one-pot cascade process. <i>Green Chemistry</i> , 2019, 21, 1907-1911. | 4.6 | 31 |
| 405 | Thermo-Photocatalysis: Environmental and Energy Applications. <i>ChemSusChem</i> , 2019, 12, 2098-2116. | 3.6 | 115 |
| 406 | Rapid and Multigram Synthesis of Vinylogous Esters under Continuous Flow: An Access to Transesterification and Reverse Reaction of Vinylogous Esters. <i>Organic Process Research and Development</i> , 2019, 23, 1034-1045. | 1.3 | 3 |
| 407 | 2 Photocatalysis: The Principles. , 2019, , . | | 0 |
| 408 | Organophotoredox Catalysis: Visible-light-induced Multicomponent Synthesis of Chromeno[4,3-b]chromene and Hexahydro-1H-xanthene Derivatives. <i>Current Organocatalysis</i> , 2019, 6, 222-230. | 0.3 | 20 |
| 409 | Seven-Step Continuous Flow Synthesis of Linezolid Without Intermediate Purification. <i>Angewandte Chemie</i> , 2019, 131, 7760-7763. | 1.6 | 8 |
| 410 | Seven-Step Continuous Flow Synthesis of Linezolid Without Intermediate Purification. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 7678-7681. | 7.2 | 68 |
| 411 | Biomass-Derived Solvents for Sustainable Transition Metal-Catalyzed C-H Activation. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 8023-8040. | 3.2 | 90 |
| 412 | Rapid Assessment of the Reaction-Condition-Based Sensitivity of Chemical Transformations. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 8572-8576. | 7.2 | 239 |
| 413 | Alcohol-based PISA in batch and flow: exploring the role of photoinitiators. <i>Polymer Chemistry</i> , 2019, 10, 2406-2414. | 1.9 | 51 |
| 414 | Evaluierung der Reaktionsbedingungs-basierten SensitivitÄt chemischer Transformationen. <i>Angewandte Chemie</i> , 2019, 131, 8660-8664. | 1.6 | 83 |
| 415 | Emerging Trends in Flow Chemistry and Applications to the Pharmaceutical Industry. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 6422-6468. | 2.9 | 163 |
| 416 | Investigate the efficacy of UV pretreatment on thermal inactivation of <i>Bacillus subtilis</i> spores in different types of milk. <i>Innovative Food Science and Emerging Technologies</i> , 2019, 52, 387-393. | 2.7 | 30 |
| 417 | Ferrocene-based (photo)redox polymerization under long wavelengths. <i>Polymer Chemistry</i> , 2019, 10, 1431-1441. | 1.9 | 53 |
| 418 | Scalable Synthesis of Sequence-Defined Oligomers via Photoflow Chemistry. <i>ChemPhotoChem</i> , 2019, 3, 225-228. | 1.5 | 23 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 419 | Rapid Oxygen Tolerant Aqueous RAFT Photopolymerization in Continuous Flow Reactors. <i>Macromolecules</i> , 2019, 52, 1609-1619. | 2.2 | 59 |
| 420 | Selective C=O Bond Cleavage of Lignin Systems and Polymers Enabled by Sequential Palladium-Catalyzed Aerobic Oxidation and Visible-Light Photoredox Catalysis. <i>ACS Catalysis</i> , 2019, 9, 2252-2260. | 5.5 | 95 |
| 421 | Visible Light-Promoted Beckmann Rearrangements: Separating Sequential Photochemical and Thermal Phenomena in a Continuous Flow Reactor. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 2163-2171. | 1.2 | 21 |
| 422 | Rapid On-Demand Synthesis of Lomustine under Continuous Flow Conditions. <i>Organic Process Research and Development</i> , 2019, 23, 334-341. | 1.3 | 45 |
| 423 | Cross coupling of alkylsilicates with acyl chlorides <i>via</i> photoredox/nickel dual catalysis: a new synthesis method for ketones. <i>Organic Chemistry Frontiers</i> , 2019, 6, 1378-1382. | 2.3 | 37 |
| 424 | Synthesis of Functionalized Ketones from Acid Chlorides and Organolithiums by Extremely Fast Micromixing. <i>Chemistry - A European Journal</i> , 2019, 25, 4946-4950. | 1.7 | 24 |
| 425 | Effect of catalyst coated surface, illumination mechanism and light source in heterogeneous TiO ₂ photocatalysis using a mini-photoreactor for n-decane oxidation at gas phase. <i>Chemical Engineering Journal</i> , 2019, 366, 560-568. | 6.6 | 26 |
| 426 | Decarboxylative Cyanation of Aliphatic Carboxylic Acids via Visible-Light Flavin Photocatalysis. <i>Organic Letters</i> , 2019, 21, 1368-1373. | 2.4 | 71 |
| 427 | Catalytic Wacker-type Oxidations Using Visible Light Photoredox Catalysis. <i>ChemCatChem</i> , 2019, 11, 1889-1892. | 1.8 | 12 |
| 428 | Application of Tubular Meso- and Micro-reactors in Organic Synthesis and Photochemistry "Go With the Flow!". <i>Kemija U Industriji</i> , 2019, 68, 477-485. | 0.2 | 0 |
| 429 | Exploiting Imine Photochemistry for Masked N-Centered Radical Reactivity. <i>Angewandte Chemie</i> , 2019, 131, 19176-19182. | 1.6 | 10 |
| 430 | Comprehensive control over molecular weight distributions through automated polymerizations. <i>Polymer Chemistry</i> , 2019, 10, 6315-6323. | 1.9 | 45 |
| 431 | Organophotocatalytic Arene Functionalization: C=C and C=B Bond Formation. <i>Organic Letters</i> , 2019, 21, 9950-9953. | 2.4 | 21 |
| 432 | Synergistic visible light photoredox catalysis. <i>Physical Sciences Reviews</i> , 2019, 5, . | 0.8 | 3 |
| 433 | Scale-up synthesis of a deuterium-labeled cis-cyclobutane-1,3-Dicarboxylic acid derivative using continuous photo flow chemistry. <i>Tetrahedron</i> , 2019, 75, 617-623. | 1.0 | 7 |
| 434 | Improved Reactor Productivity for the Safe Photo-Oxidation of Citronellol Under Visible Light LED Irradiation. <i>ChemPhotoChem</i> , 2019, 3, 122-128. | 1.5 | 16 |
| 435 | Finding the Perfect Match: A Combined Computational and Experimental Study toward Efficient and Scalable Photosensitized [2 + 2] Cycloadditions in Flow. <i>Organic Process Research and Development</i> , 2019, 23, 78-87. | 1.3 | 52 |
| 436 | <i>De novo</i> Design of Organic Photocatalysts: Bithiophene Derivatives for the Visible-Light Induced C-H Functionalization of Heteroarenes. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 945-950. | 2.1 | 43 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 437 | Copper-catalyzed Borylation of Organic Halides under Batch and Continuous-flow Conditions. <i>Chemistry - A European Journal</i> , 2019, 25, 3262-3266. | 1.7 | 50 |
| 438 | 3d Transition Metals for C-H Activation. <i>Chemical Reviews</i> , 2019, 119, 2192-2452. | 23.0 | 1,666 |
| 439 | Modeling and Optimization of the Photocatalytic Reduction of Molecular Oxygen to Hydrogen Peroxide over Titanium Dioxide. <i>ACS Catalysis</i> , 2019, 9, 25-37. | 5.5 | 98 |
| 440 | Sustaining the Transition from a Petrobased to a Biobased Chemical Industry with Flow Chemistry. <i>Topics in Current Chemistry</i> , 2019, 377, 1. | 3.0 | 104 |
| 441 | Translucent packed bed structures for high throughput photocatalytic reactors. <i>Chemical Engineering Journal</i> , 2019, 361, 725-735. | 6.6 | 46 |
| 442 | Layered uniformly delocalized electronic structure of carbon supported Ni catalyst for catalytic reforming of toluene and biomass tar. <i>Energy Conversion and Management</i> , 2019, 183, 182-192. | 4.4 | 96 |
| 443 | Molecular Weight Distribution of Polymers Produced by Anionic Polymerization Enables Mixability Evaluation. <i>Organic Process Research and Development</i> , 2019, 23, 635-640. | 1.3 | 15 |
| 444 | A Laser Driven Flow Chemistry Platform for Scaling Photochemical Reactions with Visible Light. <i>ACS Central Science</i> , 2019, 5, 109-115. | 5.3 | 138 |
| 445 | Mechanistische Studien in der Photokatalyse. <i>Angewandte Chemie</i> , 2019, 131, 3768-3786. | 1.6 | 115 |
| 446 | Scalability of Visible-Light-Induced Nickel Negishi Reactions: A Combination of Flow Photochemistry, Use of Solid Reagents, and In-Line NMR Monitoring. <i>Journal of Organic Chemistry</i> , 2019, 84, 4748-4753. | 1.7 | 29 |
| 447 | Photocatalytic Fluorination Reactions. , 2019, , 183-221. | | 0 |
| 448 | Precise Polymer Synthesis by Autonomous Self-Optimizing Flow Reactors. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 3183-3187. | 7.2 | 111 |
| 449 | Precise Polymer Synthesis by Autonomous Self-Optimizing Flow Reactors. <i>Angewandte Chemie</i> , 2019, 131, 3215-3219. | 1.6 | 11 |
| 450 | Mechanistic Studies in Photocatalysis. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 3730-3747. | 7.2 | 559 |
| 451 | Ultrasound assisted ZnO coating in a microflow based photoreactor for selective oxidation of benzyl alcohol to benzaldehyde. <i>Green Chemistry</i> , 2019, 21, 1241-1246. | 4.6 | 32 |
| 452 | Microreaction Technology for Synthetic Chemistry. <i>Chinese Journal of Chemistry</i> , 2019, 37, 161-170. | 2.6 | 34 |
| 453 | The Use of Molecular Oxygen for Liquid Phase Aerobic Oxidations in Continuous Flow. <i>Topics in Current Chemistry</i> , 2019, 377, 2. | 3.0 | 99 |
| 454 | Photochemical generation of radicals from alkyl electrophiles using a nucleophilic organic catalyst. <i>Nature Chemistry</i> , 2019, 11, 129-135. | 6.6 | 153 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 455 | Heterogeneous photocatalysis: guidelines on experimental setup, catalyst characterization, interpretation, and assessment of reactivity. <i>Catalysis Reviews - Science and Engineering</i> , 2019, 61, 163-213. | 5.7 | 49 |
| 456 | Polymer networks based on photo-caged diene dimerization. <i>Materials Horizons</i> , 2019, 6, 81-89. | 6.4 | 17 |
| 457 | A review on the design and development of photocatalyst synthesis and application in microfluidic reactors: challenges and opportunities. <i>Reviews in Chemical Engineering</i> , 2020, 36, 687-722. | 2.3 | 38 |
| 458 | A UV-LEDs based photomicroreactor for mechanistic insights and kinetic studies in the norbornadiene photoisomerization. <i>AIChE Journal</i> , 2020, 66, e16841. | 1.8 | 22 |
| 459 | Short-chain per- and polyfluoroalkyl substances in aquatic systems: Occurrence, impacts and treatment. <i>Chemical Engineering Journal</i> , 2020, 380, 122506. | 6.6 | 285 |
| 460 | The Right Light: De Novo Design of a Robust Modular Photochemical Reactor for Optimum Batch and Flow Chemistry. <i>ChemPhotoChem</i> , 2020, 4, 45-51. | 1.5 | 56 |
| 461 | Green Metal-Free Photochemical Hydroacylation of Unactivated Olefins. <i>Angewandte Chemie</i> , 2020, 132, 1752-1758. | 1.6 | 46 |
| 462 | Green Metal-Free Photochemical Hydroacylation of Unactivated Olefins. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 1735-1741. | 7.2 | 79 |
| 463 | CFD analysis of a luminescent solar concentrator-based photomicroreactor (LSC-PM) with feedforward control applied to the synthesis of chemicals under fluctuating light intensity. <i>Chemical Engineering Research and Design</i> , 2020, 153, 626-634. | 2.7 | 16 |
| 464 | Effective Utilization of NIR Wavelengths for Photo-Controlled Polymerization: Penetration Through Thick Barriers and Parallel Solar Syntheses. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 2013-2017. | 7.2 | 87 |
| 465 | Flow Photochemistry: Shine Some Light on Those Tubes!. <i>Trends in Chemistry</i> , 2020, 2, 92-106. | 4.4 | 245 |
| 466 | Metal-Free Visible-Light-Mediated Hydrotrifluoromethylation of Unactivated Alkenes and Alkynes in Continuous Flow. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 1429-1432. | 1.2 | 20 |
| 467 | Flow Technology for the Genesis and Use of (Highly) Reactive Organometallic Reagents. <i>Chemistry - A European Journal</i> , 2020, 26, 19-32. | 1.7 | 89 |
| 468 | Recent Advances in Continuous-Flow Enantioselective Catalysis. <i>Chemistry - A European Journal</i> , 2020, 26, 5729-5747. | 1.7 | 57 |
| 469 | Photochemical oxidation of benzylic primary and secondary alcohols utilizing air as the oxidant. <i>Green Chemistry</i> , 2020, 22, 471-477. | 4.6 | 95 |
| 470 | Continuous photochemical benzylic bromination using <i>in situ</i> generated Br ₂ : process intensification towards optimal PMI and throughput. <i>Green Chemistry</i> , 2020, 22, 448-454. | 4.6 | 41 |
| 471 | Continuous manufacturing of silver nanoparticles between 5 and 80 nm with rapid online optical size and shape evaluation. <i>Reaction Chemistry and Engineering</i> , 2020, 5, 342-355. | 1.9 | 29 |
| 473 | Shining Light on the Coiled-Flow Inverter-Continuous-Flow Photochemistry in a Static Mixer. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 3865-3872. | 1.8 | 10 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 474 | Photoredox-Catalyzed Hydrosulfonylation of Arylallenes. <i>Journal of Organic Chemistry</i> , 2020, 85, 2250-2259. | 1.7 | 29 |
| 475 | 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. <i>Organic Letters</i> , 2020, 22, 410-416. | 2.4 | 33 |
| 476 | Latent Ruthenium Benzyldiene Phosphite Complexes for Visible-Light-Induced Olefin Metathesis. <i>ACS Catalysis</i> , 2020, 10, 2033-2038. | 5.5 | 24 |
| 477 | Modernization of a Photochemical Reaction for the Undergraduate Laboratory: Continuous Flow Photopinacol Coupling. <i>Journal of Chemical Education</i> , 2020, 97, 586-591. | 1.1 | 17 |
| 478 | A Novel Approach to Functionalization of Aryl Azides through the Generation and Reaction of Organolithium Species Bearing Masked Azides in Flow Microreactors. <i>Angewandte Chemie</i> , 2020, 132, 1583-1587. | 1.6 | 6 |
| 479 | A Novel Approach to Functionalization of Aryl Azides through the Generation and Reaction of Organolithium Species Bearing Masked Azides in Flow Microreactors. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 1567-1571. | 7.2 | 27 |
| 480 | A Biorefinery approach towards development of renewable platform chemicals from sustainable biomass. , 2020, , 135-147. | | 4 |
| 481 | Effective Utilization of NIR Wavelengths for Photocontrolled Polymerization: Penetration Through Thick Barriers and Parallel Solar Syntheses. <i>Angewandte Chemie</i> , 2020, 132, 2029-2033. | 1.6 | 23 |
| 482 | Reactor Technology Concepts for Flow Photochemistry. <i>ChemPhotoChem</i> , 2020, 4, 235-254. | 1.5 | 62 |
| 483 | Visible Light-Mediated (Hetero)aryl Amination Using Ni(II) Salts and Photoredox Catalysis in Flow: A Synthesis of Tetracaine. <i>Journal of Organic Chemistry</i> , 2020, 85, 3234-3244. | 1.7 | 57 |
| 484 | Synthesis of Biaryls Having a Piperidylmethyl Group Based on Space Integration of Lithiation, Borylation, and Suzuki–Miyaura Coupling. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 618-622. | 1.2 | 20 |
| 485 | Organophotocatalytic N-De-methylation of Oxycodone Using Molecular Oxygen. <i>Chemistry - A European Journal</i> , 2020, 26, 2973-2979. | 1.7 | 22 |
| 486 | Electrolyte-free paired electrosynthesis of some pyrimidine derivatives using flow electrochemistry as a powerful technology. <i>Journal of Electroanalytical Chemistry</i> , 2020, 857, 113746. | 1.9 | 7 |
| 487 | Tf ₂ O-mediated Reaction of Alkenyl Sulfoxides with Unprotected Anilines in Flow Microreactors. <i>Chemistry Letters</i> , 2020, 49, 160-163. | 0.7 | 4 |
| 488 | Visible-Light-Induced Metal-Free Trifluoromethylselenolation of Electron-Rich Heteroarenes Using the Nucleophilic [Me ₄ N][SeCF ₃] Reagent. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 506-509. | 1.2 | 29 |
| 489 | Metal-Decorated Pickering Emulsion for Continuous Flow Catalysis. <i>Particle and Particle Systems Characterization</i> , 2020, 37, 1900382. | 1.2 | 8 |
| 490 | Synthetische Photoelektrochemie. <i>Angewandte Chemie</i> , 2020, 132, 11828-11844. | 1.6 | 40 |
| 491 | Synthetic Photoelectrochemistry. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 11732-11747. | 7.2 | 261 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 492 | Visible-light-induced aerobic epoxidation in cyclic ether: Synthesis of spiroepoxyoxindole derivatives. <i>Tetrahedron Letters</i> , 2020, 61, 151578. | 0.7 | 13 |
| 493 | Visible Light Photocatalytic Synthesis of Tetrahydroquinolines Under Batch and Flow Conditions. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 5995-5999. | 1.2 | 13 |
| 494 | Flow grams-per-hour production enabled by hierarchical bimodal porous silica gel supported palladium column reactor having low pressure drop. <i>Catalysis Today</i> , 2020, 388-389, 231-231. | 2.2 | 6 |
| 495 | Visible-Light Photocatalysis as an Enabling Technology for Drug Discovery: A Paradigm Shift for Chemical Reactivity. <i>ACS Medicinal Chemistry Letters</i> , 2020, 11, 2120-2130. | 1.3 | 63 |
| 496 | Continuous synthesis of 2,5-hexanedione through direct C-C coupling of acetone in a Hilbert fractal photo microreactor. <i>Reaction Chemistry and Engineering</i> , 2020, 5, 2250-2259. | 1.9 | 5 |
| 497 | Development of a Platform for Near-Infrared Photoredox Catalysis. <i>ACS Central Science</i> , 2020, 6, 2053-2059. | 5.3 | 95 |
| 499 | Dawn of a new era in industrial photochemistry: the scale-up of micro- and mesostructured photoreactors. <i>Beilstein Journal of Organic Chemistry</i> , 2020, 16, 2484-2504. | 1.3 | 44 |
| 500 | Visible-light reversible photopolymerisation: insights via online photoflow electro-spray ionisation mass spectrometry. <i>Polymer Chemistry</i> , 2020, 11, 6435-6440. | 1.9 | 4 |
| 501 | The rise of continuous flow biocatalysis fundamentals, very recent developments and future perspectives. <i>Reaction Chemistry and Engineering</i> , 2020, 5, 2155-2184. | 1.9 | 121 |
| 502 | Visible-Light-Induced Ni-Catalyzed Radical Borylation of Chloroarenes. <i>Journal of the American Chemical Society</i> , 2020, 142, 18231-18242. | 6.6 | 56 |
| 503 | Direct C(sp ³)-N Radical Coupling: Photocatalytic C-H Functionalization by Unconventional Intermolecular Hydrogen Atom Transfer to Aryl Radical. <i>Organic Letters</i> , 2020, 22, 6112-6116. | 2.4 | 28 |
| 504 | Continuous Flow Upgrading of Selected C ₂ -C ₆ Platform Chemicals Derived from Biomass. <i>Chemical Reviews</i> , 2020, 120, 7219-7347. | 23.0 | 222 |
| 505 | Flow Photocleavage for Automated Glycan Assembly (AGA). <i>Organic Process Research and Development</i> , 2020, 24, 2234-2239. | 1.3 | 10 |
| 506 | New Redox Strategies in Organic Synthesis by Means of Electrochemistry and Photochemistry. <i>ACS Central Science</i> , 2020, 6, 1317-1340. | 5.3 | 270 |
| 507 | Evolution of flow-oriented design strategies in the continuous preparation of pharmaceuticals. <i>Reaction Chemistry and Engineering</i> , 2020, 5, 1527-1555. | 1.9 | 28 |
| 508 | Visible-Light-Induced Trifluoromethylation/Cyclization of 1,7-Enynes in Continuous Flow. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 11729-11736. | 3.2 | 17 |
| 509 | Flow Chemistry for Cycloaddition Reactions. <i>ChemSusChem</i> , 2020, 13, 5138-5163. | 3.6 | 15 |
| 510 | Manufacturing chemicals with light: any role in the circular economy?. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2020, 378, 20190260. | 1.6 | 5 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 511 | Design of a Kilogram Scale, Plug Flow Photoreactor Enabled by High Power LEDs. <i>Organic Process Research and Development</i> , 2020, 24, 2935-2940. | 1.3 | 42 |
| 512 | Total Synthesis of Zephyrcarinatines via Photocatalytic Reductive Radical <i>ipso</i> -Cyclization. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 21210-21215. | 7.2 | 30 |
| 513 | Investigation of the reaction kinetics of photocatalytic pollutant degradation under defined conditions with inkjet-printed TiO ₂ films from batch to a novel continuous-flow microreactor. <i>Reaction Chemistry and Engineering</i> , 2020, 5, 1658-1670. | 1.9 | 23 |
| 514 | When metal-catalyzed C-H functionalization meets visible-light photocatalysis. <i>Beilstein Journal of Organic Chemistry</i> , 2020, 16, 1754-1804. | 1.3 | 66 |
| 515 | Cooperative NHC and Photoredox Catalysis for the Synthesis of ¹² C-Trifluoromethylated Alkyl Aryl Ketones. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 19956-19960. | 7.2 | 162 |
| 516 | Continuous Flow Synthesis of Heterocycles: A Recent Update on the Flow Synthesis of Indoles. <i>Molecules</i> , 2020, 25, 3242. | 1.7 | 27 |
| 517 | Oscillatory flow reactors for synthetic chemistry applications. <i>Journal of Flow Chemistry</i> , 2020, 10, 475-490. | 1.2 | 69 |
| 518 | New Strategy for Catalytic Oxidative C-H Functionalization: Efficient Combination of Transition-metal Catalyst and Electrochemical Oxidation. <i>Chemistry Letters</i> , 2020, 49, 1256-1269. | 0.7 | 28 |
| 519 | Accelerating gas-liquid chemical reactions in flow. <i>Chemical Communications</i> , 2020, 56, 10593-10606. | 2.2 | 36 |
| 520 | Visible light-enabled selective depolymerization of oxidized lignin by an organic photocatalyst. <i>Chemical Communications</i> , 2020, 56, 11243-11246. | 2.2 | 40 |
| 521 | UV-induced 1,3,4-Oxadiazole Formation from 5-Substituted Tetrazoles and Carboxylic Acids in Flow. <i>Chemistry - A European Journal</i> , 2020, 26, 14866-14870. | 1.7 | 12 |
| 522 | Total Synthesis of Zephyrcarinatines via Photocatalytic Reductive Radical <i>ipso</i> -Cyclization. <i>Angewandte Chemie</i> , 2020, 132, 21396-21401. | 1.6 | 5 |
| 523 | Highly Efficient and Selective Electrochemical Synthesis of Substituted Benzothiophenes and Benzofurans in Microcontinuous Flow. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 13302-13309. | 3.2 | 21 |
| 524 | Transition metal-catalyzed carboxylation of olefins with Carbon dioxide: a comprehensive review. <i>Catalysis Reviews - Science and Engineering</i> , 2022, 64, 631-677. | 5.7 | 19 |
| 525 | Photosensitized direct C-H fluorination and trifluoromethylation in organic synthesis. <i>Beilstein Journal of Organic Chemistry</i> , 2020, 16, 2151-2192. | 1.3 | 31 |
| 526 | A scalable continuous photochemical process for the generation of aminopropylsulfones. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 9428-9432. | 1.5 | 15 |
| 527 | <i>E</i> - <i>Z</i> isomerization of 3-benzylidene-indolin-2-ones using a microfluidic photo-reactor. <i>RSC Advances</i> , 2020, 10, 28630-28634. | 1.7 | 10 |
| 528 | Visible-Light-Induced Cysteine-Specific Bioconjugation: Biocompatible Thiol-Ene Click Chemistry. <i>Angewandte Chemie</i> , 2020, 132, 22703-22711. | 1.6 | 5 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 529 | Efficient photocatalytic oxidative deamination of imine and amine to aldehyde over nitrogen-doped KTi ₃ NbO ₉ under purple light. <i>Catalysis Science and Technology</i> , 2020, 10, 6611-6617. | 2.1 | 5 |
| 530 | Flow chemistry as a tool to access novel chemical space for drug discovery. <i>Future Medicinal Chemistry</i> , 2020, 12, 1547-1563. | 1.1 | 7 |
| 531 | A Synthetic Approach to Dimetalated Arenes Using Flow Microreactors and the Switchable Application to Chemoselective Cross-Coupling Reactions. <i>Journal of the American Chemical Society</i> , 2020, 142, 17039-17047. | 6.6 | 35 |
| 532 | Visible-Light-Induced Cysteine-Specific Bioconjugation: Biocompatible Thiol-Ene Click Chemistry. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 22514-22522. | 7.2 | 42 |
| 533 | Photochemical Functionalization of Heterocycles with EBX Reagents: C-H Alkynylation versus Deconstructive Ring Cleavage**. <i>Chemistry - A European Journal</i> , 2020, 26, 14453-14460. | 1.7 | 33 |
| 534 | Kooperative NHC- und Photoredox-Katalyse zur Synthese β -trifluormethylierter Alkylarylketone. <i>Angewandte Chemie</i> , 2020, 132, 20129-20134. | 1.6 | 28 |
| 535 | Multiconfigurational Calculations and Nonadiabatic Molecular Dynamics Explain Tricyclooctadiene Photochemical Chemoselectivity. <i>Journal of Physical Chemistry A</i> , 2020, 124, 7623-7632. | 1.1 | 8 |
| 536 | Solvent-controlled <i>E/Z</i> isomerization vs. [2 + 2] photocycloaddition mediated by supramolecular polymerization. <i>Chemical Science</i> , 2020, 11, 10405-10413. | 3.7 | 33 |
| 537 | Metal-Free ATRP Catalyzed by Visible Light in Continuous Flow. <i>Frontiers in Chemistry</i> , 2020, 8, 740. | 1.8 | 12 |
| 538 | Towards Solar Factories: Prospects of Solar-to-Chemical Energy Conversion using Colloidal Semiconductor Photosynthetic Systems. <i>ChemSusChem</i> , 2020, 13, 4894-4899. | 3.6 | 9 |
| 539 | Microfluidic Visible-Light Patterned γ -Alkylation Reaction of Oxindole Enol Ethers. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 6718-6722. | 1.2 | 17 |
| 540 | Benzothiazole Synthesis: Mechanistic Investigation of an In Situ-Generated Photosensitizing Disulfide. <i>Journal of Organic Chemistry</i> , 2020, 85, 11835-11843. | 1.7 | 14 |
| 541 | Phenylglyoxylic Acid: An Efficient Initiator for the Photochemical Hydrogen Atom Transfer C-H Functionalization of Heterocycles. <i>ChemSusChem</i> , 2020, 13, 5934-5944. | 3.6 | 36 |
| 542 | Developments in the Components of Metal-Free Photoinitiated Organocatalyzed Atom Transfer Radical Polymerization (O-ATRP). <i>ChemistrySelect</i> , 2020, 5, 14884-14899. | 0.7 | 6 |
| 543 | Photoredox/Cobalt-Catalyzed C(sp ³)-H Bond Functionalization toward Phenanthrene Skeletons with Hydrogen Evolution. <i>Organic Letters</i> , 2020, 22, 9627-9632. | 2.4 | 26 |
| 544 | Efficient Photooxygenation Process of Biosourced β -Terpinene by Combining Controlled LED-Driven Flow Photochemistry and Rose Bengal-Anchored Polymer Colloids. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 18568-18576. | 3.2 | 20 |
| 545 | A droplet microfluidic platform for high-throughput photochemical reaction discovery. <i>Nature Communications</i> , 2020, 11, 6202. | 5.8 | 96 |
| 546 | Continuous flow synthesis of arylhydrazines via nickel/photoredox coupling of <i>tert</i> -butyl carbazate with aryl halides. <i>Chemical Communications</i> , 2020, 56, 14621-14624. | 2.2 | 9 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 547 | Pickering Emulsions of Fluorinated TiO ₂ : A New Route for Intensification of Photocatalytic Degradation of Nitrobenzene. <i>Langmuir</i> , 2020, 36, 13545-13554. | 1.6 | 23 |
| 548 | Emerging Concepts in Carbon Nitride Organic Photocatalysis. <i>ChemPlusChem</i> , 2020, 85, 2499-2517. | 1.3 | 47 |
| 549 | Principles of coaxial illumination for photochemical reactions: Part 2. Model validation. <i>Journal of Advanced Manufacturing and Processing</i> , 2020, 2, . | 1.4 | 0 |
| 550 | Two Colour Photoflow Chemistry for Macromolecular Design. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 14143-14147. | 7.2 | 14 |
| 551 | Sunscreen-Assisted Selective Photochemical Transformations. <i>Molecules</i> , 2020, 25, 2125. | 1.7 | 4 |
| 552 | Total Synthesis of (+)-Polyoxamic Acid via Visible-Light-Mediated Photocatalytic β -Scission and 1,5-Hydrogen Atom Transfer of Glucose Derivative. <i>Journal of Organic Chemistry</i> , 2020, 85, 8271-8278. | 1.7 | 14 |
| 553 | Flow Photochemistry as a Tool in Organic Synthesis. <i>Chemistry - A European Journal</i> , 2020, 26, 16952-16974. | 1.7 | 77 |
| 554 | Fluoro-Substituted Methylithium Chemistry: External Quenching Method Using Flow Microreactors. <i>Angewandte Chemie</i> , 2020, 132, 11016-11020. | 1.6 | 16 |
| 555 | Organophotoredox Hydrodefluorination of Trifluoromethylarenes with Translational Applicability to Drug Discovery. <i>Journal of the American Chemical Society</i> , 2020, 142, 9181-9187. | 6.6 | 120 |
| 556 | Photoredox Catalysis toward 2-Sulfenylindole Synthesis through a Radical Cascade Process. <i>Organic Letters</i> , 2020, 22, 4266-4271. | 2.4 | 25 |
| 557 | Beyond electrolysis: old challenges and new concepts of electricity-driven chemical reactors. <i>Reaction Chemistry and Engineering</i> , 2020, 5, 1005-1016. | 1.9 | 51 |
| 558 | Recent applications of porphyrins as photocatalysts in organic synthesis: batch and continuous flow approaches. <i>Beilstein Journal of Organic Chemistry</i> , 2020, 16, 917-955. | 1.3 | 68 |
| 559 | Conjugated porous polymers: incredibly versatile materials with far-reaching applications. <i>Chemical Society Reviews</i> , 2020, 49, 3981-4042. | 18.7 | 162 |
| 560 | Polymer Synthesis in Continuous Flow Reactors. <i>Progress in Polymer Science</i> , 2020, 107, 101256. | 11.8 | 87 |
| 561 | Visible-Light-Mediated <i>N</i> -Desulfonylation of <i>N</i> -Heterocycles Using a Heteroleptic Copper(I) Complex as a Photocatalyst. <i>Journal of Organic Chemistry</i> , 2020, 85, 8732-8739. | 1.7 | 22 |
| 562 | Photochemical synthesis of acetals utilizing Schreiner's thiourea as the catalyst. <i>Green Chemistry</i> , 2020, 22, 3539-3545. | 4.6 | 34 |
| 563 | Zweifarbige Licht in der Durchflusssynthese für makromolekulares Design. <i>Angewandte Chemie</i> , 2020, 132, 14247-14251. | 1.6 | 3 |
| 564 | Visible Light-Catalyzed Benzylic C-H Bond Chlorination by a Combination of Organic Dye (Acr ⁺ -Mes) and <i>N</i> -Chlorosuccinimide. <i>Journal of Organic Chemistry</i> , 2020, 85, 9080-9087. | 1.7 | 40 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 565 | Development and Execution of a Production-Scale Continuous [2 + 2] Photocycloaddition. <i>Organic Process Research and Development</i> , 2020, 24, 2139-2146. | 1.3 | 31 |
| 566 | Facile synthesis of the daphnane and tigliane framework by semi-flow tube-based-bubbling photooxidation and diastereoselective conjugate addition. <i>Organic Chemistry Frontiers</i> , 2020, 7, 1862-1868. | 2.3 | 7 |
| 567 | Photocyclization of enamines to access Spiroindolines and Spirooxindoles in continuous flow. <i>Tetrahedron Letters</i> , 2020, 61, 152111. | 0.7 | 2 |
| 568 | Multikilogram per Hour Continuous Photochemical Benzylic Brominations Applying a Smart Dimensioning Scale-up Strategy. <i>Organic Process Research and Development</i> , 2020, 24, 2208-2216. | 1.3 | 50 |
| 569 | Process intensification of a photochemical oxidation reaction using a Rotor-Stator Spinning Disk Reactor: A strategy for scale up. <i>Chemical Engineering Journal</i> , 2020, 400, 125875. | 6.6 | 56 |
| 570 | Flow chemistry remains an opportunity for chemists and chemical engineers. <i>Current Opinion in Chemical Engineering</i> , 2020, 29, 42-50. | 3.8 | 42 |
| 571 | Fully Automated Chemical Synthesis: Toward the Universal Synthesizer. <i>Organic Process Research and Development</i> , 2020, 24, 2064-2077. | 1.3 | 48 |
| 572 | Visible-Light-Driven Carboxylic Amine Protocol (CLAP) for the Synthesis of 2-Substituted Piperazines under Batch and Flow Conditions. <i>Organic Letters</i> , 2020, 22, 5157-5162. | 2.4 | 11 |
| 573 | Ir/Ni Photoredox Dual Catalysis with Heterogeneous Base Enabled by an Oscillatory Plug Flow Photoreactor. <i>Organic Process Research and Development</i> , 2020, 24, 2319-2325. | 1.3 | 41 |
| 574 | Synthesis of adipic acid through oxidation of K/A oil and its kinetic study in a microreactor system. <i>AIChE Journal</i> , 2020, 66, e16289. | 1.8 | 24 |
| 575 | Photon Transport and Hydrodynamics in Gas-Liquid Flow Part 2: Characterization of Bubbly Flow in an Advanced Flow Reactor. <i>ChemPhotoChem</i> , 2020, 4, 5193-5200. | 1.5 | 7 |
| 576 | Scale-up potential of photochemical microfluidic synthesis by selective dimension enlarging with agitation of microbubbles. <i>Chemical Engineering Science</i> , 2020, 226, 115862. | 1.9 | 12 |
| 577 | Photon Transport and Hydrodynamics in Gas-Liquid Flows Part 1: Characterization of Taylor Flow in a Photo Microreactor. <i>ChemPhotoChem</i> , 2020, 4, 5181-5192. | 1.5 | 16 |
| 578 | Photocatalytic trifluoromethoxylation of arenes and heteroarenes in continuous-flow. <i>Beilstein Journal of Organic Chemistry</i> , 2020, 16, 1305-1312. | 1.3 | 18 |
| 579 | Distinctive reactivity of <i>N</i> -benzylidene-[1,1'-biphenyl]-2-amines under photoredox conditions. <i>Beilstein Journal of Organic Chemistry</i> , 2020, 16, 1335-1342. | 1.3 | 1 |
| 580 | Visible-Light-Driven Copper-Catalyzed C(sp ³)-O Cross-Coupling of Benzylic Radicals with Phenols. <i>Organic Letters</i> , 2020, 22, 2333-2338. | 2.4 | 41 |
| 581 | Automated generation of photochemical reaction data by transient flow experiments coupled with online HPLC analysis. <i>Reaction Chemistry and Engineering</i> , 2020, 5, 912-920. | 1.9 | 17 |
| 582 | An entirely solvent-free photooxygenation of olefins under continuous flow conditions. <i>Green Chemistry</i> , 2020, 22, 2359-2364. | 4.6 | 11 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 583 | Photon Equivalents as a Parameter for Scaling Photoredox Reactions in Flow: Translation of Photocatalytic C–N Cross-Coupling from Lab Scale to Multikilogram Scale. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 11964-11968. | 7.2 | 87 |
| 584 | Fluoro-Substituted Methylithium Chemistry: External Quenching Method Using Flow Microreactors. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 10924-10928. | 7.2 | 60 |
| 585 | First generation of translucent monoliths for photochemical applications. <i>Journal of Advanced Manufacturing and Processing</i> , 2020, 2, . | 1.4 | 5 |
| 586 | Continuous-flow photochemistry: An expanding horizon of sustainable technology. <i>Chinese Chemical Letters</i> , 2020, 31, 2395-2400. | 4.8 | 12 |
| 587 | What Elements Contribute to a High-Quality Continuous Processing Submission for OPR&D?. <i>Organic Process Research and Development</i> , 2020, 24, 1781-1784. | 1.3 | 5 |
| 588 | Heterogeneous photoredox flow chemistry for the scalable organosynthesis of fine chemicals. <i>Nature Communications</i> , 2020, 11, 1239. | 5.8 | 75 |
| 589 | An efficient approach for the synthesis of new (±)-coixspirolactams. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 5458-5465. | 1.5 | 6 |
| 590 | C(sp ³)–H functionalizations of light hydrocarbons using decatungstate photocatalysis in flow. <i>Science</i> , 2020, 369, 92-96. | 6.0 | 263 |
| 591 | Optimization of a Decatungstate-Catalyzed C(sp ³)–H Alkylation Using a Continuous Oscillatory Millistructured Photoreactor. <i>Organic Process Research and Development</i> , 2020, 24, 2356-2361. | 1.3 | 37 |
| 592 | Redox-Neutral P(O)–N Coupling between P(O)–H Compounds and Azides via Dual Copper and Photoredox Catalysis. <i>Organic Letters</i> , 2020, 22, 6143-6149. | 2.4 | 27 |
| 593 | Comparison of Photocatalytic Membrane Reactor Types for the Degradation of an Organic Molecule by TiO ₂ -Coated PES Membrane. <i>Catalysts</i> , 2020, 10, 725. | 1.6 | 26 |
| 594 | Enhancement of Ultraviolet B Irradiation with a Photoluminescent Composite Film and Its Application in Photochemical Microfluidic Synthesis. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 12870-12878. | 1.8 | 3 |
| 595 | Chemistry glows green with photoredox catalysis. <i>Nature Communications</i> , 2020, 11, 803. | 5.8 | 231 |
| 596 | Influence of Bubbles on the Energy Conversion Efficiency of Electrochemical Reactors. <i>Joule</i> , 2020, 4, 555-579. | 11.7 | 356 |
| 597 | Continuous-flow photo-induced decarboxylative annulative access to fused imidazole derivatives <i>via</i> a microreactor containing immobilized ruthenium. <i>Green Chemistry</i> , 2020, 22, 1565-1571. | 4.6 | 19 |
| 598 | Continuous photocatalyzed aerobic oxidation of benzylic organotrifluoroborates to benzaldehydes under Taylor flow conditions. <i>Journal of Flow Chemistry</i> , 2020, 10, 347-352. | 1.2 | 10 |
| 599 | The Medicinal Chemistry in the Era of Machines and Automation: Recent Advances in Continuous Flow Technology. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 6624-6647. | 2.9 | 91 |
| 600 | Accelerated Material-Efficient Investigation of Switchable Hydrophilicity Solvents for Energy-Efficient Solvent Recovery. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 3347-3356. | 3.2 | 18 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 601 | Syntheses of Diarylethenes by Perylene-catalyzed Photodesulfonylation from Ethenyl Sulfones. <i>Chemistry Letters</i> , 2020, 49, 409-412. | 0.7 | 13 |
| 602 | Pushing the boundaries of C-H bond functionalization chemistry using flow technology. <i>Journal of Flow Chemistry</i> , 2020, 10, 13-71. | 1.2 | 76 |
| 603 | Frontiers in Radical Fluoromethylation by Visible-Light Organic Photocatalysis. <i>Asian Journal of Organic Chemistry</i> , 2020, 9, 529-537. | 1.3 | 36 |
| 604 | Common pitfalls in chemical actinometry. <i>Journal of Flow Chemistry</i> , 2020, 10, 295-306. | 1.2 | 31 |
| 605 | Role of External Field in Polymerization: Mechanism and Kinetics. <i>Chemical Reviews</i> , 2020, 120, 2950-3048. | 23.0 | 141 |
| 606 | Light-Triggered Catalytic Asymmetric Allylic Benzoylation with Photogenerated α -Nucleophiles. <i>Journal of Organic Chemistry</i> , 2020, 85, 4463-4474. | 1.7 | 18 |
| 607 | Heterogeneous Photocatalysis in Organic Synthesis. <i>ChemPhotoChem</i> , 2020, 4, 456-475. | 1.5 | 147 |
| 608 | Scaling continuous API synthesis from milligram to kilogram: extending the enabling benefits of micro to the plant. <i>Journal of Flow Chemistry</i> , 2020, 10, 73-92. | 1.2 | 59 |
| 609 | Automated iterative batch processing of submicrometer spherical particles by pulsed laser melting in liquid. <i>Chemical Engineering Science</i> , 2020, 219, 115580. | 1.9 | 5 |
| 610 | Principles of coaxial illumination for photochemical reactions: Part 1. Model development. <i>Journal of Advanced Manufacturing and Processing</i> , 2020, 2, . | 1.4 | 3 |
| 611 | Total Synthesis of Farnesin through an Excited-State Nazarov Reaction. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 7444-7449. | 7.2 | 38 |
| 612 | Scalable Continuous Vortex Reactor for Gram to Kilo Scale for UV and Visible Photochemistry. <i>Organic Process Research and Development</i> , 2020, 24, 201-206. | 1.3 | 43 |
| 613 | An oscillatory plug flow photoreactor facilitates semi-heterogeneous dual nickel/carbon nitride photocatalytic C-N couplings. <i>Reaction Chemistry and Engineering</i> , 2020, 5, 597-604. | 1.9 | 68 |
| 614 | Scalable Synthesis of Functionalized Ferrocenyl Azides and Amines Enabled by Flow Chemistry. <i>Organic Letters</i> , 2020, 22, 902-907. | 2.4 | 16 |
| 615 | Continuous Flow Photochemistry for the Preparation of Bioactive Molecules. <i>Molecules</i> , 2020, 25, 356. | 1.7 | 72 |
| 616 | Continuous Flow Photo-oxidations Using Supported Photocatalysts on Silica. <i>Organic Process Research and Development</i> , 2020, 24, 822-826. | 1.3 | 34 |
| 617 | Development of a Continuous Flow Photoisomerization Reaction Converting Isoxazoles into Diverse Oxazole Products. <i>Journal of Organic Chemistry</i> , 2020, 85, 2607-2617. | 1.7 | 15 |
| 618 | Transforming Oxadiazolines through Nitrene Intermediates by Energy Transfer Catalysis: Access to Sulfoximines and Benzimidazoles. <i>Organic Letters</i> , 2020, 22, 1130-1134. | 2.4 | 13 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 619 | Photosynthetic H ₂ generation and organic transformations with CdSe@CdS-Pt nanorods for highly efficient solar-to-chemical energy conversion. <i>Nano Energy</i> , 2020, 70, 104510. | 8.2 | 34 |
| 620 | Visible-Light Flow Reactor Packed with Porous Carbon Nitride for Aerobic Substrate Oxidations. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 8176-8182. | 4.0 | 40 |
| 621 | A method to determine the correct photocatalyst concentration for photooxidation reactions conducted in continuous flow reactors. <i>Beilstein Journal of Organic Chemistry</i> , 2020, 16, 871-879. | 1.3 | 6 |
| 622 | Rapid production of block copolymer nano-objects via continuous-flow ultrafast RAFT dispersion polymerisation. <i>Polymer Chemistry</i> , 2020, 11, 3465-3474. | 1.9 | 22 |
| 623 | Crystal-to-Crystal Synthesis of Photocatalytic Metal-Organic Frameworks for Visible-Light Reductive Coupling and Mechanistic Investigations. <i>ChemSusChem</i> , 2020, 13, 3418-3428. | 3.6 | 2 |
| 624 | Upscaling Photoredox Cross-Coupling Reactions in Batch Using Immersion-Well Reactors. <i>Organic Process Research and Development</i> , 2020, 24, 1185-1193. | 1.3 | 21 |
| 625 | Photocatalytic Conversion of Lignin into Chemicals and Fuels. <i>ChemSusChem</i> , 2020, 13, 4199-4213. | 3.6 | 71 |
| 626 | Scale-up Design of a Fluorescent Fluid Photochemical Microreactor by 3D Printing. <i>ACS Omega</i> , 2020, 5, 7666-7674. | 1.6 | 12 |
| 627 | Continuous Flow Organophosphorus Chemistry. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 5236-5277. | 1.2 | 19 |
| 628 | New Phosphine Oxides as High Performance Near-UV Type I Photoinitiators of Radical Polymerization. <i>Molecules</i> , 2020, 25, 1671. | 1.7 | 63 |
| 629 | A visible-light Paternò-Büchi dearomatisation process towards the construction of oxeto-indolinic polycycles. <i>Chemical Science</i> , 2020, 11, 6532-6538. | 3.7 | 41 |
| 630 | Aldehydes as powerful initiators for photochemical transformations. <i>Beilstein Journal of Organic Chemistry</i> , 2020, 16, 833-857. | 1.3 | 65 |
| 631 | A safe and compact flow platform for the neutralization of a mustard gas simulant with air and light. <i>Green Chemistry</i> , 2020, 22, 4105-4115. | 4.6 | 31 |
| 632 | Photo-oxidation of Cyclopentadiene Using Continuous Processing: Application to the Synthesis of (1R,4S)-4-Hydroxycyclopent-2-en-1-yl Acetate. <i>Organic Process Research and Development</i> , 2020, 24, 2304-2310. | 1.3 | 6 |
| 633 | Photocatalytic Deoxygenation of Sulfoxides Using Visible Light: Mechanistic Investigations and Synthetic Applications. <i>ACS Catalysis</i> , 2020, 10, 5814-5820. | 5.5 | 43 |
| 634 | Flow Chemistry in Contemporary Chemical Sciences: A Real Variety of Its Applications. <i>Molecules</i> , 2020, 25, 1434. | 1.7 | 45 |
| 635 | Photon Equivalents as a Parameter for Scaling Photoredox Reactions in Flow: Translation of Photocatalytic C-N Cross-Coupling from Lab Scale to Multikilogram Scale. <i>Angewandte Chemie</i> , 2020, 132, 12062-12066. | 1.6 | 8 |
| 636 | Continuous Flow Synthesis of 2-H-thiopyrans via thia-Diels-Alder Reactions of Photochemically Generated Thioaldehydes. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 64-71. | 1.2 | 10 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 637 | Metal-free Photochemical Atom Transfer Radical Addition (ATRA) of BrCCl ₃ to Alkenes. European Journal of Organic Chemistry, 2021, 2021, 96-101. | 1.2 | 15 |
| 638 | Oligosilanes as Silyl Radical Precursors through Oxidative Si-Si Bond Cleavage Using Redox Catalysis. Angewandte Chemie, 2021, 133, 685-689. | 1.6 | 10 |
| 639 | Photochemical Synthesis of Benzimidazoles from Diamines and Aldehydes. European Journal of Organic Chemistry, 2021, 2021, 422-428. | 1.2 | 19 |
| 640 | Interface-modulated nanojunction and microfluidic platform for photoelectrocatalytic chemicals upgrading. Applied Catalysis B: Environmental, 2021, 282, 119541. | 10.8 | 29 |
| 641 | Continuous flow photo-RAFT and light-PISA. Chemical Engineering Journal, 2021, 420, 127663. | 6.6 | 26 |
| 642 | Photochemical microfluidic synthesis of vitamin D3 by improved light sources with photoluminescent substrates. Chinese Journal of Chemical Engineering, 2021, 29, 204-211. | 1.7 | 5 |
| 643 | Photo isomerization of cis-cyclooctene to trans-cyclooctene: Integration of a micro-flow reactor and separation by specific adsorption. AIChE Journal, 2021, 67, e17067. | 1.8 | 6 |
| 644 | Multi-Step Continuous-Flow Organic Synthesis: Opportunities and Challenges. Chemistry - A European Journal, 2021, 27, 4817-4838. | 1.7 | 61 |
| 645 | Efficient scale up of photochemical bromination of conjugated allylic compounds in continuous-flow. Journal of Flow Chemistry, 2021, 11, 127-134. | 1.2 | 1 |
| 646 | Harnessing Photoexcited Redox Centers of Semiconductor Photocatalysts for Advanced Synthetic Chemistry. Solar Rrl, 2021, 5, 2000444. | 3.1 | 11 |
| 647 | Advances in the Synthesis of Conjugated Polymers by Photopolymerization. ChemPhotoChem, 2021, 5, 4-11. | 1.5 | 15 |
| 648 | Toward the Scale-Up of a Bicyclic Homopiperazine via Schmidt Rearrangement and Photochemical Oxaziridine Rearrangement in Continuous-Flow. Organic Process Research and Development, 2021, 25, 148-156. | 1.3 | 7 |
| 649 | Continuous flow processing of bismuth-photocatalyzed atom transfer radical addition reactions using an oscillatory flow reactor. Green Chemistry, 2021, 23, 2685-2693. | 4.6 | 28 |
| 650 | Application of polydimethylsiloxane in photocatalyst composite materials: A review. Reactive and Functional Polymers, 2021, 158, 104781. | 2.0 | 27 |
| 651 | Continuous-flow Si-H functionalizations of hydrosilanes via sequential organolithium reactions catalyzed by potassium tert-butoxide. Green Chemistry, 2021, 23, 1193-1199. | 4.6 | 14 |
| 652 | Photoredox-Catalyzed Multicomponent Cyclization of Vinyl Phenols, N-Alkoxy-pyridinium Salts, and Sulfur Ylides for Synthesis of Dihydrobenzofurans. ChemCatChem, 2021, 13, 543-547. | 1.8 | 24 |
| 653 | Photochemical metal-free aerobic oxidation of thiols to disulfides. Green Chemistry, 2021, 23, 546-551. | 4.6 | 58 |
| 654 | Three-component three-bond forming cascade via palladium photoredox catalysis. Chemical Science, 2021, 12, 1810-1817. | 3.7 | 61 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 655 | Development and Proof of Concept for a Large-Scale Photoredox Additive-Free Minisci Reaction. <i>Organic Process Research and Development</i> , 2021, 25, 57-67. | 1.3 | 36 |
| 656 | From circular synthesis to material manufacturing: advances, challenges, and future steps for using flow chemistry in novel application area. <i>Reaction Chemistry and Engineering</i> , 2021, 6, 756-786. | 1.9 | 31 |
| 657 | 3D-printed cartridge system for in-flow photo-oxygenation of 7-aminothienopyridinones. <i>Tetrahedron</i> , 2021, 79, 131875. | 1.0 | 6 |
| 658 | Organophotocatalyzed E and Z stereoselective $C-C$ bond forming cross coupling reactions of carboxylic acids with I^2 -aryl-vinyl halides. <i>Green Synthesis and Catalysis</i> , 2021, 2, 27-31. | 3.7 | 10 |
| 659 | Polysulfide Anions as Visible Light Photoredox Catalysts for Aryl Cross-Couplings. <i>Journal of the American Chemical Society</i> , 2021, 143, 481-487. | 6.6 | 63 |
| 660 | Scalable Synthesis of Benzotriazoles via [3+2] Cycloaddition of Azides and Arynes in Flow. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 979-982. | 1.2 | 9 |
| 661 | Photochemical Reaction of N,N -Dimethylanilines with N -Substituted Maleimides Utilizing Benzaldehyde as the Photoinitiator. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 1168-1173. | 1.2 | 14 |
| 662 | Overcoming mass and photon transfer limitations in a scalable reactor: Oxidation in an aerosol photoreactor. <i>Chemical Engineering Journal</i> , 2021, 408, 127357. | 6.6 | 11 |
| 663 | Flow chemistry experiments in the undergraduate teaching laboratory: synthesis of diazo dyes and disulfides. <i>Journal of Flow Chemistry</i> , 2021, 11, 7-12. | 1.2 | 14 |
| 664 | Gas bubbles have controversial effects on Taylor flow electrochemistry. <i>Chemical Engineering Journal</i> , 2021, 406, 126811. | 6.6 | 29 |
| 665 | Synthesis of new bio-based hydrogels derived from bile acids by free-radical photo-polymerization. <i>Polymers for Advanced Technologies</i> , 2021, 32, 220-227. | 1.6 | 11 |
| 666 | Oligosilanes as Silyl Radical Precursors through Oxidative $Si^{\sim}Si$ Bond Cleavage Using Redox Catalysis. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 675-679. | 7.2 | 50 |
| 667 | Growth of binary anatase-rutile on phosphorylated graphene through strong $O-Ti$ bonding affords a stable visible-light photocatalyst. <i>RSC Advances</i> , 2021, 11, 28116-28125. | 1.7 | 2 |
| 668 | Challenges and Recent Developments of Photoflow-Reversible Deactivation Radical Polymerization (RDRP). <i>Chinese Journal of Polymer Science (English Edition)</i> , 2021, 39, 1069-1083. | 2.0 | 17 |
| 669 | Efficient Synthesis of Biologically Active Peptides Based on Micro-flow Amide Bond Formation. , 2021, , 139-160. | | 0 |
| 670 | Green strategies for transition metal-catalyzed $C-H$ activation in molecular syntheses. <i>Organic Chemistry Frontiers</i> , 2021, 8, 4886-4913. | 2.3 | 59 |
| 671 | Radiometric measurement techniques for in-depth characterization of photoreactors - part 1: 2 dimensional radiometry. <i>Reaction Chemistry and Engineering</i> , 2021, 6, 1601-1613. | 1.9 | 10 |
| 672 | Photocatalyzed, I^2 -Selective Hydrocarboxylation of I^{\pm}, I^2 -Unsaturated Esters with CO_2 under Flow for I^2 -Lactone Synthesis. <i>ACS Catalysis</i> , 2021, 11, 1309-1315. | 5.5 | 45 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 673 | <i>In situ</i> sensors for flow reactors – a review. <i>Reaction Chemistry and Engineering</i> , 2021, 6, 1497-1507. | 1.9 | 17 |
| 674 | Homogeneous catalytic C(sp ³)–H functionalization of gaseous alkanes. <i>Chemical Communications</i> , 2021, 57, 9956-9967. | 2.2 | 21 |
| 675 | Remarkable Activity of Potassium-Modified Carbon Nitride for Heterogeneous Photocatalytic Decarboxylative Alkyl/Acyl Radical Addition and Reductive Dimerization of <i>para</i> -Quinone Methides. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 2367-2377. | 3.2 | 38 |
| 676 | Photochemistry in Flow for Drug Discovery. <i>Topics in Medicinal Chemistry</i> , 2021, , 71-119. | 0.4 | 1 |
| 677 | Unified Synthesis of Azepines by Visible-Light-Mediated Dearomatic Ring Expansion of Aromatic <i>N</i> -Ylides. <i>Organic Letters</i> , 2021, 23, 525-529. | 2.4 | 14 |
| 678 | Catalyst-free, scalable heterocyclic flow photocyclopropanation. <i>Green Chemistry</i> , 2021, 23, 6366-6372. | 4.6 | 24 |
| 679 | Construction of polycyclic structures with vicinal all-carbon quaternary stereocenters <i>via</i> an enantioselective photoenolization/Diels–Alder reaction. <i>Chemical Science</i> , 2021, 12, 7575-7582. | 3.7 | 15 |
| 680 | Insights into Sustainable C–H Bond Activation. , 2021, , 253-318. | | 0 |
| 681 | Photocatalyst- and additive-free site-specific C(sp ³)–H hydrazination of glycine derivatives and peptides. <i>Green Chemistry</i> , 2021, 23, 5082-5087. | 4.6 | 19 |
| 682 | Shedding light on the nature of the catalytically active species in photocatalytic reactions using Bi ₂ O ₃ semiconductor. <i>Nature Communications</i> , 2021, 12, 625. | 5.8 | 56 |
| 683 | Photoredox catalysis over semiconductors for light-driven hydrogen peroxide production. <i>Green Chemistry</i> , 2021, 23, 1466-1494. | 4.6 | 166 |
| 684 | Solar fuels and feedstocks: the quest for renewable black gold. <i>Energy and Environmental Science</i> , 2021, 14, 1402-1419. | 15.6 | 25 |
| 685 | A highly selective decarboxylative deuteration of carboxylic acids. <i>Chemical Science</i> , 2021, 12, 5505-5510. | 3.7 | 36 |
| 686 | Visible-Light-Mediated Oxidative Debenzylation Enables the Use of Benzyl Ethers as Temporary Protecting Groups. <i>Organic Letters</i> , 2021, 23, 514-518. | 2.4 | 36 |
| 687 | Use of Perylene Diimides in Synthetic Photochemistry. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 1193-1200. | 1.2 | 25 |
| 688 | Photocatalytic (Het)arylation of C(sp ³)–H Bonds with Carbon Nitride. <i>ACS Catalysis</i> , 2021, 11, 1593-1603. | 5.5 | 74 |
| 690 | Thioxanthone: a powerful photocatalyst for organic reactions. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 5237-5253. | 1.5 | 104 |
| 691 | Flow Chemistry in Drug Discovery: Challenges and Opportunities. <i>Topics in Medicinal Chemistry</i> , 2021, , 1-22. | 0.4 | 1 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 692 | Visible-Light Photocatalytic Tri- and Difluoroalkylation Cyclizations: Access to a Series of Indole[2,1- <i>c</i>]isoquinoline Derivatives in Continuous Flow. <i>Organic Letters</i> , 2021, 23, 1950-1954. | 2.4 | 35 |
| 693 | Additive manufacturing of intricate and inherently photocatalytic flow reactor components. <i>Additive Manufacturing</i> , 2021, 38, 101828. | 1.7 | 5 |
| 694 | Continuous Flow Solar Desorption of CO ₂ from Aqueous Amines. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 2570-2579. | 3.2 | 10 |
| 695 | Supported Metal Nanoparticles in Metal-Organic Monoliths for Assembly of a Catalytic Microfluidic Reactor. <i>ChemNanoMat</i> , 2021, 7, 334-340. | 1.5 | 4 |
| 696 | From Nanosecond Photochemistry to Optical Force Chemistry: My Journey. <i>Chemical Record</i> , 2021, 21, 1261-1269. | 2.9 | 1 |
| 697 | Integrated Continuous Pharmaceutical Technologies—A Review. <i>Organic Process Research and Development</i> , 2021, 25, 721-739. | 1.3 | 72 |
| 698 | A Modular, Argon-Driven Flow Platform for Natural Product Synthesis and Late-Stage Transformations. <i>Organic Letters</i> , 2021, 23, 2370-2374. | 2.4 | 8 |
| 699 | Research Progress in Organic Synthesis by Means of Photoelectrocatalysis. <i>Chemical Record</i> , 2021, 21, 841-857. | 2.9 | 60 |
| 700 | Intensification of Heterogeneous Photocatalytic Reactions Without Efficiency Losses: The Importance of Surface Catalysis. <i>Catalysis Letters</i> , 2021, 151, 3105-3113. | 1.4 | 18 |
| 701 | Continuous-Flow Synthesis of Perylium Tetrafluoroborates: Application to Synthesis of Katritzky Salts and Photoinduced Cationic RAFT Polymerization. <i>Organic Letters</i> , 2021, 23, 2042-2047. | 2.4 | 17 |
| 702 | Facile synthesis of gradient copolymers enabled by droplet-flow photo-controlled reversible deactivation radical polymerization. <i>Science China Chemistry</i> , 2021, 64, 844-851. | 4.2 | 11 |
| 703 | Unlocking the Synthetic Potential of Light-Excited Aryl Ketones: Applications in Direct Photochemistry and Photoredox Catalysis. <i>Synlett</i> , 0, , . | 1.0 | 14 |
| 704 | Solar and Visible Light Assisted Peptide Coupling. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 12406-12412. | 7.2 | 17 |
| 705 | Highly Selective Organic Synthesis by Efficient Mixing in Flow Microreactor. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2021, 79, 234-242. | 0.0 | 0 |
| 706 | Fluorinated Ketones as Trapping Reagents for Visible-Light-Induced Singlet Nucleophilic Carbenes. <i>Organic Letters</i> , 2021, 23, 2783-2789. | 2.4 | 22 |
| 707 | Photocatalytic Oxygenation of Heterostilbenes—Batch versus Microflow Reactor. <i>Catalysts</i> , 2021, 11, 395. | 1.6 | 4 |
| 708 | (Trifluoromethylselenyl)methylchalcogenyl as Emerging Fluorinated Groups: Synthesis under Photoredox Catalysis and Determination of the Lipophilicity. <i>Chemistry - A European Journal</i> , 2021, 27, 6028-6033. | 1.7 | 31 |
| 709 | Emerging concepts in photocatalytic organic synthesis. <i>IScience</i> , 2021, 24, 102209. | 1.9 | 109 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 710 | Solar and Visible Light Assisted Peptide Coupling. <i>Angewandte Chemie</i> , 2021, 133, 12514-12520. | 1.6 | 5 |
| 711 | PET-RAFT Polymerization: Mechanistic Perspectives for Future Materials. <i>ACS Macro Letters</i> , 2021, 10, 433-446. | 2.3 | 92 |
| 712 | Manipulating Energy Transfer in UCNPs@SiO ₂ @Ag Nanoparticles for Efficient Infrared Photocatalysis. <i>Inorganic Chemistry</i> , 2021, 60, 5704-5710. | 1.9 | 19 |
| 713 | Rapid continuous photoflow synthesis of naturally occurring aryl naphthalene lignans and their analogs. <i>Natural Product Research</i> , 2022, 36, 5086-5090. | 1.0 | 3 |
| 715 | Photochemical Activation of Aromatic Aldehydes: Synthesis of Amides, Hydroxamic Acids and Esters. <i>Chemistry - A European Journal</i> , 2021, 27, 7915-7922. | 1.7 | 23 |
| 716 | Total Synthesis of (+)-Alsmaphorazine...C and Formal Synthesis of (+)-Strictamine: A Photo-Fries Approach. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 10603-10607. | 7.2 | 12 |
| 717 | Trace organic contaminants removal from municipal wastewater using the FluHelik reactor: From laboratory-scale to pre-pilot scale. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105060. | 3.3 | 9 |
| 718 | Electrophotocatalytic C-H Heterofunctionalization of Arenes. <i>Angewandte Chemie</i> , 2021, 133, 11263-11267. | 1.6 | 12 |
| 720 | The role of process intensification in the current business context of the chemical process industry. <i>Journal of Advanced Manufacturing and Processing</i> , 2021, 3, . | 1.4 | 3 |
| 721 | Total Synthesis of (+)-Alsmaphorazine...C and Formal Synthesis of (+)-Strictamine: A Photo-Fries Approach. <i>Angewandte Chemie</i> , 2021, 133, 10697-10701. | 1.6 | 1 |
| 722 | Regioselective Synthesis of Î±-Functional Stilbenes via Precise Control of Rapid <i>cis</i> → <i>trans</i> Isomerization in Flow. <i>Organic Letters</i> , 2021, 23, 2904-2910. | 2.4 | 6 |
| 723 | Electrophotocatalytic C-H Heterofunctionalization of Arenes. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 11163-11167. | 7.2 | 75 |
| 724 | Softness Meets with Brightness: Dye-Doped Multifunctional Fluorescent Polymer Particles via Microfluidics for Labeling. <i>Advanced Optical Materials</i> , 2021, 9, 2002219. | 3.6 | 14 |
| 725 | Recent advances in heterogeneous micro-photoreactors for wastewater treatment application. <i>Chemical Engineering Science</i> , 2021, 235, 116511. | 1.9 | 18 |
| 727 | Assembly and Application of a Low Budget Photoreactor**. <i>Chemistry Methods</i> , 2021, 1, 240-244. | 1.8 | 5 |
| 728 | Organophotocatalytic Aerobic Oxygenation of Phenols in a Visible-Light Continuous-Flow Photoreactor. <i>Chemistry - A European Journal</i> , 2021, 27, 9748-9752. | 1.7 | 12 |
| 729 | Copper-Photocatalyzed Hydroboration of Alkynes and Alkenes. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 14498-14503. | 7.2 | 60 |
| 730 | Scale-up of micro- and milli-reactors: An overview of strategies, design principles and applications. <i>Chemical Engineering Science: X</i> , 2021, 10, 100097. | 1.5 | 81 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 731 | Effects of Light Intensity and Reaction Temperature on Photoreactions in Commercial Photoreactors. <i>ChemPhotoChem</i> , 2021, 5, 808-814. | 1.5 | 41 |
| 732 | Matteson Reaction under Flow Conditions: Iterative Homologations of Terpenes. <i>Organic Letters</i> , 2021, 23, 4300-4304. | 2.4 | 15 |
| 733 | Copper-catalyzed Hydroboration of Alkynes and Alkenes. <i>Angewandte Chemie</i> , 2021, 133, 14619-14624. | 1.6 | 13 |
| 734 | Scalability of photochemical reactions in continuous flow mode. <i>Journal of Flow Chemistry</i> , 2021, 11, 223-241. | 1.2 | 80 |
| 736 | Electrophotocatalytic Acetoxyhydroxylation of Aryl Olefins. <i>Journal of the American Chemical Society</i> , 2021, 143, 7247-7252. | 6.6 | 77 |
| 737 | Complementary Reactivity in Selective Radical Processes: Electrochemistry of Oxadiazolines to Quinazolinones. <i>Organic Letters</i> , 2021, 23, 5148-5152. | 2.4 | 5 |
| 738 | Azobenzene: a Visible-light Chemical Actinometer for the Characterization of Fluidic Photosystems. <i>Helvetica Chimica Acta</i> , 2021, 104, e2100071. | 1.0 | 3 |
| 739 | The application of modern reactions in large-scale synthesis. <i>Nature Reviews Chemistry</i> , 2021, 5, 546-563. | 13.8 | 40 |
| 740 | Pentafluoroethylation of Carbonyl Compounds Using HFC-125 in a Flow Microreactor System. <i>Journal of Organic Chemistry</i> , 2021, 86, 14044-14053. | 1.7 | 7 |
| 741 | Rapid Optimization of Photoredox Reactions for Continuous-Flow Systems Using Microscale Batch Technology. <i>ACS Central Science</i> , 2021, 7, 1126-1134. | 5.3 | 52 |
| 742 | 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. <i>Journal of Flow Chemistry</i> , 2021, 11, 357-367. | 1.2 | 2 |
| 743 | Multigram Synthesis of Trioxanes Enabled by a Supercritical CO ₂ Integrated Flow Process. <i>Organic Process Research and Development</i> , 2021, 25, 1873-1881. | 1.3 | 10 |
| 745 | Synthesis of <i>ortho</i> -Functionalized 1,4-Cubanedicarboxylate Derivatives through Photochemical Chlorocarbonylation. <i>Organic Letters</i> , 2021, 23, 5164-5169. | 2.4 | 12 |
| 746 | Ultrafast cation doping of perovskite quantum dots in flow. <i>Matter</i> , 2021, 4, 2429-2447. | 5.0 | 20 |
| 747 | Copper-catalyzed Hydrosilylation of Alkynes and Alkenes under Continuous Flow. <i>Chemistry - A European Journal</i> , 2021, 27, 11818-11822. | 1.7 | 36 |
| 748 | Fast synthesis of silver colloids with a low-cost 3D printed photo-reactor. <i>Colloids and Interface Science Communications</i> , 2021, 43, 100457. | 2.0 | 5 |
| 749 | Expanding the Tool Kit of Automated Flow Synthesis: Development of In-line Flash Chromatography Purification. <i>Journal of Organic Chemistry</i> , 2021, 86, 14079-14094. | 1.7 | 12 |
| 750 | Integrated Suzuki Cross-coupling/Reduction Cascade Reaction of <i>meta</i> - <i>para</i> -Chloroacetophenones and Arylboronic Acids under Batch and Continuous Flow Conditions. <i>Chemistry - an Asian Journal</i> , 2021, 16, 2338-2345. | 1.7 | 2 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 751 | Decatungstateâ€Mediated C(sp ³)â€H Heteroarylation via Radicalâ€Polar Crossover in Batch and Flow. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 17893-17897. | 7.2 | 56 |
| 752 | Î±-Heteroarylation of Thioethers via Photoredox and Weak Brønsted Base Catalysis. <i>Organic Letters</i> , 2021, 23, 6115-6120. | 2.4 | 17 |
| 753 | Decatungstateâ€Mediated C(sp ³)â€H Heteroarylation via Radicalâ€Polar Crossover in Batch and Flow. <i>Angewandte Chemie</i> , 2021, 133, 18037-18041. | 1.6 | 5 |
| 754 | Parameter assessment for scale-up of co- and counter-current photochemical reactors using non-collimated LEDs. <i>Chemical Engineering Research and Design</i> , 2021, 171, 408-420. | 2.7 | 3 |
| 755 | Synthesis of Enantiopure Unnatural Amino Acids by Metallaphotoredox Catalysis. <i>Organic Process Research and Development</i> , 2021, 25, 1966-1973. | 1.3 | 30 |
| 756 | Photoiodization of toluene in a microflow platform. <i>Journal of Flow Chemistry</i> , 2022, 12, 41-49. | 1.2 | 0 |
| 757 | Late-stage Câ€H functionalization offers new opportunities in drug discovery. <i>Nature Reviews Chemistry</i> , 2021, 5, 522-545. | 13.8 | 341 |
| 758 | Singlet Oxygen Photosensitization Using Graphene-Based Structures and Immobilized Dyes: A Review. <i>ACS Applied Nano Materials</i> , 2021, 4, 7563-7586. | 2.4 | 25 |
| 759 | Photoreduction synthesis of various azoxybenzenes by visible-light irradiation under continuous flow conditions. <i>Journal of Flow Chemistry</i> , 2022, 12, 71-77. | 1.2 | 4 |
| 760 | Carbon Nitride Thin Films as All-In-One Technology for Photocatalysis. <i>ACS Catalysis</i> , 2021, 11, 11109-11116. | 5.5 | 47 |
| 761 | Cooperative Coupling of Oxidative Organic Synthesis and Hydrogen Production over Semiconductor-Based Photocatalysts. <i>Chemical Reviews</i> , 2021, 121, 13051-13085. | 23.0 | 426 |
| 762 | Selective Câ€H Allylic Oxygenation of Cycloalkenes and Terpenoids Photosensitized by [Cu(Xantphos)(neoc)]BF ₄ . <i>Journal of Organic Chemistry</i> , 2021, 86, 13503-13513. | 1.7 | 4 |
| 763 | Unlocking the Accessibility of Alkyl Radicals from Boronic Acids through Solvent-Assisted Organophotoredox Activation. <i>ACS Catalysis</i> , 2021, 11, 10862-10870. | 5.5 | 35 |
| 764 | Emission Intensity Enhancement for Iridium(III) Complex in Dimethyl Sulfoxide under Photoirradiation. <i>Journal of Physical Chemistry B</i> , 2021, 125, 9260-9267. | 1.2 | 1 |
| 765 | Organic Photoredox Catalysts Exhibiting Long Excited-State Lifetimes. <i>Synlett</i> , 0, , . | 1.0 | 1 |
| 766 | Rapid and Direct Photocatalytic C(sp ³)â€H Acylation and Arylation in Flow. <i>Angewandte Chemie</i> , 2021, 133, 21447-21452. | 1.6 | 4 |
| 767 | Rapid and Direct Photocatalytic C(sp ³)â€H Acylation and Arylation in Flow. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 21277-21282. | 7.2 | 61 |
| 768 | Application Limits of the Ferrioxalate Actinometer**. <i>ChemPhotoChem</i> , 2021, 5, 947-956. | 1.5 | 15 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 769 | Technological Innovations in Photochemistry for Organic Synthesis: Flow Chemistry, High-Throughput Experimentation, Scale-up, and Photoelectrochemistry. <i>Chemical Reviews</i> , 2022, 122, 2752-2906. | 23.0 | 330 |
| 770 | Visible-Light-Induced Deaminative Alkylation/Cyclization of Alkyl Amines with <i>N</i> -Methacryloyl-2-phenylbenzimidazoles in Continuous-Flow Organo-Photocatalysis. <i>Journal of Organic Chemistry</i> , 2021, 86, 12908-12921. | 1.7 | 26 |
| 771 | Towards the Standardization of Flow Chemistry Protocols for Organic Reactions. <i>Chemistry Methods</i> , 2021, 1, 454-467. | 1.8 | 41 |
| 772 | Photocatalytic C-H Azolation of Arenes Using Heterogeneous Carbon Nitride in Batch and Flow. <i>ChemSusChem</i> , 2021, 14, 5265-5270. | 3.6 | 14 |
| 773 | Computer-Aided Living Polymerization Conducted under Continuous-Flow Conditions. <i>Chinese Journal of Chemistry</i> , 2022, 40, 285-296. | 2.6 | 12 |
| 774 | Photocatalytic water purification with graphitic C ₃ N ₄ -based composites: Enhancement, mechanisms, and performance. <i>Applied Materials Today</i> , 2021, 24, 101118. | 2.3 | 13 |
| 775 | Photocatalytic Hydroaminoalkylation of Styrenes with Unprotected Primary Alkylamines. <i>Journal of the American Chemical Society</i> , 2021, 143, 15936-15945. | 6.6 | 42 |
| 776 | Integrated Multistep Photochemical and Thermal Continuous Flow Reactions: Production of Bicyclic Lactones with Kilogram Productivity. <i>Organic Process Research and Development</i> , 2021, 25, 2052-2059. | 1.3 | 3 |
| 777 | Photoredox-Catalyzed Dehydrogenative C ³ -C ² Cross-Coupling of Alkylarenes to Aldehydes in Flow. <i>Journal of Organic Chemistry</i> , 2021, 86, 13559-13571. | 1.7 | 11 |
| 778 | Selective biomass photoreforming for valuable chemicals and fuels: A critical review. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 148, 111266. | 8.2 | 70 |
| 779 | Photocatalysis in the Life Science Industry. <i>Chemical Reviews</i> , 2022, 122, 2907-2980. | 23.0 | 183 |
| 780 | Radical α -Trifluoromethoxylation of Ketones under Batch and Flow Conditions by Means of Organic Photoredox Catalysis. <i>Organic Letters</i> , 2021, 23, 7088-7093. | 2.4 | 28 |
| 781 | Analysis of hydrolysis reaction of aluminum polynuclear complex with Cl ⁻ and SO ₄ ²⁻ anions by quantitative multinuclear NMR and evaluation of coagulation behavior of model sludge water. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 630, 127623. | 2.3 | 3 |
| 782 | Alkene Synthesis by Photo-Wolff-Kishner Reaction of Sulfur Ylides and <i>N</i> -Tosylhydrazones. <i>Chemistry - A European Journal</i> , 2021, 27, 14195-14201. | 1.7 | 9 |
| 783 | Automated High-Pressure Atline Analysis of Photo-High-P,T Vitamin D ₃ Microfluidic Synthesis. <i>Frontiers in Chemical Engineering</i> , 2021, 3, . | 1.3 | 0 |
| 784 | Visible-light photooxidation of benzene to phenol in continuous-flow microreactors. <i>Chemical Engineering Journal</i> , 2021, 420, 129976. | 6.6 | 25 |
| 785 | Switchable Chemoselectivity of Reactive Intermediates Formation and Their Direct Use in A Flow Microreactor. <i>Chemistry - A European Journal</i> , 2021, 27, 16107-16111. | 1.7 | 9 |
| 786 | An automated coating process to produce TiO ₂ -coated optical fibre for photocatalytic reactor systems. <i>Chemical Engineering and Processing: Process Intensification</i> , 2021, 166, 108479. | 1.8 | 2 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 787 | Synergies between Hyperpolarized NMR and Microfluidics: A Review. <i>Progress in Nuclear Magnetic Resonance Spectroscopy</i> , 2022, 128, 44-69. | 3.9 | 18 |
| 788 | Advances in N-centered intermediates by energy transfer photocatalysis. <i>Trends in Chemistry</i> , 2021, 3, 877-891. | 4.4 | 39 |
| 789 | A "Concentrate-&-Destroy"™ technology for enhanced removal and destruction of per- and polyfluoroalkyl substances in municipal landfill leachate. <i>Science of the Total Environment</i> , 2021, 791, 148124. | 3.9 | 21 |
| 790 | Recent advances in molecular oxygen activation via photocatalysis and its application in oxidation reactions. <i>Chemical Engineering Journal</i> , 2021, 421, 129915. | 6.6 | 71 |
| 791 | Sustainable hydrogen production by plasmonic thermophotocatalysis. <i>Catalysis Today</i> , 2021, 380, 156-186. | 2.2 | 39 |
| 792 | Tuning the gas-liquid-solid segmented flow for enhanced heterogeneous photosynthesis of Azo-compounds. <i>Chemical Engineering Journal</i> , 2021, 423, 130226. | 6.6 | 16 |
| 793 | On the performance of liquid-liquid Taylor flow electrochemistry in a microreactor – A CFD study. <i>Chemical Engineering Journal</i> , 2022, 427, 131443. | 6.6 | 8 |
| 794 | A meso-scale ultrasonic milli-reactor enables gas-liquid-solid photocatalytic reactions in flow. <i>Chemical Engineering Journal</i> , 2022, 428, 130968. | 6.6 | 36 |
| 795 | Photocatalytic processes for biomass conversion. <i>Catalysis Science and Technology</i> , 2021, 11, 2354-2360. | 2.1 | 24 |
| 796 | A facile photochemical strategy for the synthesis of high-performance amorphous MoS ₂ nanoparticles. <i>Nanoscale Advances</i> , 2021, 3, 2830-2836. | 2.2 | 5 |
| 797 | Radiometric measurement techniques for in-depth characterization of photoreactors – part 2: 3 dimensional and integral radiometry. <i>Reaction Chemistry and Engineering</i> , 2021, 6, 1614-1627. | 1.9 | 11 |
| 798 | A photochemical ring expansion of 6- to 8-membered nitrogen heterocycles by [1,3]-sigmatropic rearrangement. <i>Chemical Communications</i> , 2021, 57, 4556-4559. | 2.2 | 7 |
| 799 | Visible-Light-Mediated Z-Stereoselective Monoalkylation of 1,2-Dichlorostyrenes by Photoredox/Nickel Dual Catalysis. <i>Synlett</i> , 2021, 32, 1513-1518. | 1.0 | 4 |
| 800 | Flow Biocatalysis: A Challenging Alternative for the Synthesis of APIs and Natural Compounds. <i>International Journal of Molecular Sciences</i> , 2021, 22, 990. | 1.8 | 55 |
| 801 | Forgotten and forbidden chemical reactions revitalised through continuous flow technology. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 7737-7753. | 1.5 | 32 |
| 802 | Advances in Organic Photoelectrochemical Synergistic Catalysis. <i>Chinese Journal of Organic Chemistry</i> , 2021, 41, 3935. | 0.6 | 9 |
| 803 | Organocatalyzed Photocontrolled Radical Polymerization of Semifluorinated (Meth)acrylates Driven by Visible Light. <i>Angewandte Chemie</i> , 2018, 130, 339-343. | 1.6 | 26 |
| 804 | Total Synthesis of Farnesin through an Excited-State Nazarov Reaction. <i>Angewandte Chemie</i> , 2020, 132, 7514-7519. | 1.6 | 18 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 805 | Rapid synthesis of polyimide precursors by solution polymerization using Continuous-flow microreactors. <i>Chemical Engineering Journal</i> , 2020, 397, 125361. | 6.6 | 15 |
| 806 | Recent advances toward sustainable flow photochemistry. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2020, 25, 100351. | 3.2 | 60 |
| 807 | Understanding and Improving Photocatalytic Activity of Pd-Loaded BiVO ₄ Microspheres: Application to Visible Light-Induced Suzuki–Miyaura Coupling Reaction. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 1714-1722. | 4.0 | 16 |
| 808 | Pd-Modified ZnO@Au Enabling Alkoxy Intermediates Formation and Dehydrogenation for Photocatalytic Conversion of Methane to Ethylene. <i>Journal of the American Chemical Society</i> , 2021, 143, 269-278. | 6.6 | 151 |
| 809 | Organometallic Chemistry in Flow in the Pharmaceutical Industry. <i>RSC Green Chemistry</i> , 2019, , 86-128. | 0.0 | 4 |
| 810 | CHAPTER 4. Flow Chemistry in Drug Discovery. <i>RSC Green Chemistry</i> , 2019, , 53-78. | 0.0 | 5 |
| 811 | Enabling technologies in polymer synthesis: accessing a new design space for advanced polymer materials. <i>Reaction Chemistry and Engineering</i> , 2020, 5, 405-423. | 1.9 | 26 |
| 812 | Photo-Fries rearrangement in flow under aqueous micellar conditions. <i>Chemical Communications</i> , 2020, 56, 15470-15472. | 2.2 | 9 |
| 813 | Visible light promoted continuous flow photocyclization of 1,2-diketones. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 3684-3689. | 1.5 | 12 |
| 814 | Cloud-inspired multiple scattering for light intensified photochemical flow reactors. <i>Reaction Chemistry and Engineering</i> , 2020, 5, 1058-1063. | 1.9 | 11 |
| 815 | Scalable and robust photochemical flow process towards small spherical gold nanoparticles. <i>Reaction Chemistry and Engineering</i> , 2020, 5, 1224-1236. | 1.9 | 21 |
| 816 | <i>N</i> -Chloroamines as substrates for metal-free photochemical atom-transfer radical addition reactions in continuous flow. <i>Reaction Chemistry and Engineering</i> , 2021, 6, 2434-2441. | 1.9 | 10 |
| 817 | Development of an Off-Grid Solar-Powered Autonomous Chemical Mini-Plant for Producing Fine Chemicals. <i>ChemSusChem</i> , 2021, 14, 5417-5423. | 3.6 | 13 |
| 818 | Using High-Power UV-LED to Accelerate a Decatungstate-Anion-Catalyzed Reaction: A Model Study for the Quick Oxidation of Benzyl Alcohol to Benzoic Acid Using Molecular Oxygen. <i>Micromachines</i> , 2021, 12, 1307. | 1.4 | 7 |
| 819 | Chiral Photocatalyst Structures in Asymmetric Photochemical Synthesis. <i>Chemical Reviews</i> , 2022, 122, 1654-1716. | 23.0 | 179 |
| 820 | Strategies to Generate Nitrogen-centered Radicals That May Rely on Photoredox Catalysis: Development in Reaction Methodology and Applications in Organic Synthesis. <i>Chemical Reviews</i> , 2022, 122, 2353-2428. | 23.0 | 170 |
| 821 | Efficient dye degradation, antimicrobial behavior and molecular docking analysis of gold (Au) and cellulose nanocrystals (CNC)-doped strontium oxide nanocomposites. <i>Journal of Nanostructure in Chemistry</i> , 2022, 12, 933-950. | 5.3 | 12 |
| 822 | Easy stabilization of Evonik Aeroxide P25 colloidal suspension by 4-hydroxybenzoic acid functionalization. <i>Surfaces and Interfaces</i> , 2021, 27, 101501. | 1.5 | 2 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 823 | Controlled Reversible Deactivation Radical Photopolymerization. RSC Polymer Chemistry Series, 2018, , 244-273. | 0.1 | 5 |
| 824 | Perspectives on the Use of Flow Systems to Carry Out Organic Photochemical Reactions. RSC Green Chemistry, 2019, , 129-152. | 0.0 | 0 |
| 825 | Photochemical methods in metathesis reactions. Organic and Biomolecular Chemistry, 2020, 18, 8034-8057. | 1.5 | 5 |
| 826 | Continuous flow cationic polymerizations. Chemical Engineering Journal, 2022, 430, 132791. | 6.6 | 13 |
| 827 | Continuous-flow chemistry toward sustainable chemical synthesis. , 2020, , 49-69. | | 0 |
| 828 | Dyes Depollution of Water Using Porous TiO ₂ -Based Photocatalysts. Environmental Chemistry for A Sustainable World, 2020, , 35-92. | 0.3 | 2 |
| 830 | Photochemical C-H acetalization of O-heterocycles utilizing phenylglyoxylic acid as the photoinitiator. Photochemical and Photobiological Sciences, 2022, 21, 687-694. | 1.6 | 9 |
| 831 | Direct Near Infrared Light-Activatable Phthalocyanine Catalysts. Chemistry - A European Journal, 2022, 28, . | 1.7 | 12 |
| 832 | Rxn Rover: automation of chemical reactions with user-friendly, modular software. Reaction Chemistry and Engineering, 2022, 7, 416-428. | 1.9 | 6 |
| 833 | Flow photomicroreactor coated with monometal containing TiO ₂ using sonication: A versatile tool for visible light oxidation. Catalysis Communications, 2022, 162, 106375. | 1.6 | 5 |
| 834 | The development of luminescent solar concentrator-based photomicroreactors: a cheap reactor enabling efficient solar-powered photochemistry. Photochemical and Photobiological Sciences, 2022, 21, 705-717. | 1.6 | 16 |
| 835 | Dimeric Cyclobutane Formation Under Continuous Flow Conditions Using Organophotoredox-Catalysed [2+2] Cycloaddition**. ChemPhotoChem, 2022, 6, . | 1.5 | 1 |
| 836 | Generation of Oxyphosphonium Ions by Photoredox/Cobaloxime Catalysis for Scalable Amide and Peptide Synthesis in Batch and Continuous-Flow. Angewandte Chemie, 0, , . | 1.6 | 4 |
| 837 | Design of a TiO ₂ Coated Film in a Batch Reactor: Nanoparticle Film Synthesis and Optimization for Contaminant Degradation and Modeling. Industrial & Engineering Chemistry Research, 0, , . | 1.8 | 1 |
| 838 | Enantioselective synthesis of heterocyclic compounds using photochemical reactions. Photochemical and Photobiological Sciences, 2021, 20, 1657-1674. | 1.6 | 6 |
| 839 | Manufacturing Process Development for Belzutifan, Part 2: A Continuous Flow Visible-Light-Induced Benzylic Bromination. Organic Process Research and Development, 2022, 26, 516-524. | 1.3 | 49 |
| 840 | Machine-Learning Photodynamics Simulations Uncover the Role of Substituent Effects on the Photochemical Formation of Cubanes. Journal of the American Chemical Society, 2021, 143, 20166-20175. | 6.6 | 24 |
| 841 | Photons or Electrons? A Critical Comparison of Electrochemistry and Photoredox Catalysis for Organic Synthesis. Chemical Reviews, 2022, 122, 2487-2649. | 23.0 | 210 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 842 | Generation of Oxyphosphonium Ions by Photoredox/Cobaloxime Catalysis for Scalable Amide and Peptide Synthesis in Batch and Continuous Flow. <i>Angewandte Chemie - International Edition</i> , 2022, 61, . | 7.2 | 30 |
| 843 | Photochemistry at Scale: Wireless Light Emitters Drive Sustainability in Process Research & Development. <i>European Journal of Organic Chemistry</i> , 2022, 2022, . | 1.2 | 5 |
| 844 | Green Hydrogen Production in an Optofluidic Planar Microreactor via Photocatalytic Water Splitting under Visible/Simulated Sunlight Irradiation. <i>Energy & Fuels</i> , 2021, 35, 19737-19747. | 2.5 | 7 |
| 845 | Photo-induced direct alkynylation of methane and other light alkanes by iron catalysis. <i>Green Chemistry</i> , 2021, 23, 9406-9411. | 4.6 | 40 |
| 846 | Drug Discovery Automation and Library Synthesis in Flow. <i>Topics in Medicinal Chemistry</i> , 2021, , 421-479. | 0.4 | 1 |
| 847 | Flash Electrochemical Approach to Carbocations. <i>Angewandte Chemie</i> , 2022, 134, . | 1.6 | 0 |
| 848 | An organophotocatalytic late-stage N ⁺ CH ₃ oxidation of trialkylamines to N-formamides with O ₂ in continuous flow. <i>Chemical Science</i> , 2022, 13, 1912-1924. | 3.7 | 31 |
| 849 | Mo-modified band structure and enhanced photocatalytic properties of tin oxide quantum dots for visible-light driven degradation of antibiotic contaminants. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107091. | 3.3 | 43 |
| 850 | Mo-Modified Band Structure and Enhanced Photocatalytic Properties of Tin Oxide Quantum Dots for Visible-Light Driven Degradation of Antibiotic Contaminants. <i>SSRN Electronic Journal</i> , 0, , . | 0.4 | 0 |
| 851 | Switchable Divergent Synthesis Using Photocatalysis. <i>ACS Catalysis</i> , 2022, 12, 1857-1878. | 5.5 | 62 |
| 852 | Sustainable C-H functionalization under ball-milling, microwave-irradiation and aqueous media. <i>Green Chemistry</i> , 2022, 24, 2296-2320. | 4.6 | 20 |
| 853 | Radical Carbonyl Umpolung Arylation via Dual Nickel Catalysis. <i>Journal of the American Chemical Society</i> , 2022, 144, 1899-1909. | 6.6 | 47 |
| 854 | Wavelength dependent photoextrusion and tandem photo-extrusion reactions of ninhydrin bis-acetals for the synthesis of 8-ring lactones, benzocyclobutenes and orthoanhydrides. <i>Chemical Communications</i> , 2022, 58, 1546-1549. | 2.2 | 2 |
| 855 | Main-Chain Fluoropolymers with Alternating Sequence Control via Light-Driven Reversible Deactivation Copolymerization in Batch and Flow. <i>Angewandte Chemie</i> , 2022, 134, . | 1.6 | 4 |
| 856 | Simple Fabrication of a Continuous-Flow Photocatalytic Reactor Using Dopamine-Assisted Immobilization onto a Fluoropolymer Tubing. <i>Industrial & Engineering Chemistry Research</i> , 2022, 61, 1322-1331. | 1.8 | 5 |
| 857 | Recent Advances in Visible-Light-Mediated Amide Synthesis. <i>Molecules</i> , 2022, 27, 517. | 1.7 | 29 |
| 858 | Modeling and Simulation of Reaction Environment in Photoredox Catalysis: A Critical Review. <i>Frontiers in Chemical Engineering</i> , 2022, 3, . | 1.3 | 1 |
| 859 | Flash Electrochemical Approach to Carbocations. <i>Angewandte Chemie - International Edition</i> , 2022, 61, . | 7.2 | 19 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 860 | Main-Chain Fluoropolymers with Alternating Sequence Control via Light-Driven Reversible-Deactivation Copolymerization in Batch and Flow. <i>Angewandte Chemie - International Edition</i> , 2022, 61, . | 7.2 | 30 |
| 861 | A combined experimental and theoretical study on the reactivity of nitrenes and nitrene radical anions. <i>Nature Communications</i> , 2022, 13, 86. | 5.8 | 24 |
| 862 | Photoinduced C-H monofluoroalkenylation with <i>gem</i> -difluoroalkenes through hydrogen atom transfer under batch and flow conditions. <i>Organic Chemistry Frontiers</i> , 2022, 9, 959-965. | 2.3 | 22 |
| 863 | Improved efficiency of photo-induced synthetic reactions enabled by advanced photo flow technologies. <i>Photochemical and Photobiological Sciences</i> , 2022, 21, 761-775. | 1.6 | 4 |
| 864 | Hexafluoroisopropanol-Promoted or Brønsted Acid-Mediated Photochemical [2+2] Cycloadditions of Alkynes with Maleimides. <i>ChemSusChem</i> , 2022, 15, . | 3.6 | 18 |
| 865 | Photobiocatalysis in Continuous Flow. <i>Frontiers in Catalysis</i> , 2022, 1, . | 1.8 | 18 |
| 866 | Continuous flow technology-a tool for safer oxidation chemistry. <i>Reaction Chemistry and Engineering</i> , 2022, 7, 490-550. | 1.9 | 25 |
| 867 | Advanced oxidation processes in microreactors for water and wastewater treatment: Development, challenges, and opportunities. <i>Water Research</i> , 2022, 211, 118047. | 5.3 | 87 |
| 868 | Modulation of BiOBr-based photocatalysts for energy and environmental application: A critical review. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107226. | 3.3 | 16 |
| 869 | A Unified Mechanism for the PhCOCOOH-mediated Photochemical Reactions: Revisiting its Action and Comparison to Known Photoinitiators. <i>Chemistry - A European Journal</i> , 2022, 28, . | 1.7 | 11 |
| 870 | Visible-light photocatalysis promoted by solid- and liquid-phase immobilized transition metal complexes in organic synthesis. <i>Coordination Chemistry Reviews</i> , 2022, 458, 214331. | 9.5 | 22 |
| 871 | Stereoselective, Ruthenium-Photocatalyzed Synthesis of 1,2-Diaminotruxinic Bis-amino Acids from 4-Arylidene-5(4H)-oxazolones. <i>Journal of Organic Chemistry</i> , 2022, , . | 1.7 | 6 |
| 872 | Continuous microflow synthesis of dimethyl-substituted cyclobutanetetracarboxylic dianhydrides and its application on polyimide films. <i>Journal of Flow Chemistry</i> , 2022, 12, 91. | 1.2 | 1 |
| 873 | The promise and pitfalls of photocatalysis for organic synthesis. <i>Chem Catalysis</i> , 2022, 2, 468-476. | 2.9 | 61 |
| 874 | Understanding flow chemistry for the production of active pharmaceutical ingredients. <i>IScience</i> , 2022, 25, 103892. | 1.9 | 16 |
| 875 | Multiple wavelength (365-475 nm) complete actinometric characterization of Corning® Lab Photo Reactor using azobenzene as a highly soluble, cheap and robust chemical actinometer. <i>Photochemical and Photobiological Sciences</i> , 2022, 21, 421-432. | 1.6 | 4 |
| 876 | A continuous flow generator of organic hypochlorites for the neutralization of chemical warfare agent simulants. <i>Green Chemistry</i> , 2022, 24, 3167-3179. | 4.6 | 11 |
| 877 | A Photochemical Microfluidic Reactor for Photosensitized [2+2] Cycloadditions. <i>Synlett</i> , 0, , . | 1.0 | 0 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 878 | Controlled Nanopore Formation in Graphene/Graphene Oxide Nanosheets: Implication for Water Transport. <i>ACS Applied Nano Materials</i> , 2022, 5, 3811-3823. | 2.4 | 10 |
| 879 | Aerobic Photocatalysis: Oxidation of Sulfides to Sulfoxides. <i>ChemPlusChem</i> , 2022, 87, e202200008. | 1.3 | 34 |
| 880 | Thermal, Mechanical, and Acoustic Properties of Polydimethylsiloxane Filled with Hollow Glass Microspheres. <i>Materials</i> , 2022, 15, 1652. | 1.3 | 8 |
| 881 | <i>E/Z</i> Photoisomerization of Olefins as an Emergent Strategy for the Control of Stereodivergence in Catalysis. <i>Advanced Synthesis and Catalysis</i> , 2022, 364, 1348-1370. | 2.1 | 24 |
| 882 | Unveiling the Synthetic Potential of Substituted Phenols as Fully Recyclable Organophotoredox Catalysts for the Iodosulfonylation of Olefins. <i>ACS Catalysis</i> , 2022, 12, 4290-4295. | 5.5 | 20 |
| 883 | Photoredox catalysis powered by triplet fusion upconversion: arylation of heteroarenes. <i>Photochemical and Photobiological Sciences</i> , 2022, , 1. | 1.6 | 6 |
| 884 | Imidazolium-Based N-Heterocyclic Carbenes (NHCs) and Metal-Mediated Catalysis. , 0, , . | | 2 |
| 885 | Chemical Recycling of Polystyrene to Valuable Chemicals via Selective Acid-Catalyzed Aerobic Oxidation under Visible Light. <i>Journal of the American Chemical Society</i> , 2022, 144, 6532-6542. | 6.6 | 111 |
| 886 | Chemical-Resistant Green Luminescent Concentrator-Based Photo-Microreactor via One-Touch Assembly of 3D-Printed Modules. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 3951-3959. | 3.2 | 4 |
| 887 | Chemical Upcycling of Commercial Polystyrene via Catalyst-Controlled Photooxidation. <i>Journal of the American Chemical Society</i> , 2022, 144, 5745-5749. | 6.6 | 109 |
| 888 | Flow Chemistry: A Sustainable Voyage Through the Chemical Universe en Route to Smart Manufacturing. <i>Annual Review of Chemical and Biomolecular Engineering</i> , 2022, 13, 45-72. | 3.3 | 16 |
| 889 | Scale-Up of a Heterogeneous Photocatalytic Degradation Using a Photochemical Rotor-Stator Spinning Disk Reactor. <i>Organic Process Research and Development</i> , 2022, 26, 1279-1288. | 1.3 | 27 |
| 890 | Bimodal Light-Harvesting Microfluidic System Using Upconversion Nanocrystals for Enhanced Flow Photocatalysis. <i>Advanced Materials Technologies</i> , 2022, 7, . | 3.0 | 2 |
| 891 | Photochemical Deracemization of a Medicinally-Relevant Benzopyran using an Oscillatory Flow Reactor. <i>Chemistry - A European Journal</i> , 2022, 28, . | 1.7 | 16 |
| 892 | Solar spectral beam splitting for photochemical conversion and polygeneration. <i>Energy Conversion and Management</i> , 2022, 258, 115525. | 4.4 | 8 |
| 893 | Visible-Light-Induced <i>N</i> -Acylation of Sulfoximines. <i>Organic Letters</i> , 2022, 24, 2733-2737. | 2.4 | 11 |
| 894 | Microreactor-based chemo-enzymatic ROP-ROMP platform for continuous flow synthesis of bottlebrush polymers. <i>Chemical Engineering Journal</i> , 2022, 437, 135284. | 6.6 | 5 |
| 895 | Accelerated and Scalable C(sp ³)-H Amination via Decatungstate Photocatalysis Using a Flow Photoreactor Equipped with High-Intensity LEDs. <i>ACS Central Science</i> , 2022, 8, 51-56. | 5.3 | 35 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 896 | Readily Reconfigurable Continuous-Stirred Tank Photochemical Reactor Platform. <i>Organic Process Research and Development</i> , 2022, 26, 215-221. | 1.3 | 4 |
| 897 | Self-Optimization of Continuous Flow Electrochemical Synthesis Using Fourier Transform Infrared Spectroscopy and Gas Chromatography. <i>Applied Spectroscopy</i> , 2022, 76, 38-50. | 1.2 | 9 |
| 898 | Scalable Subsecond Synthesis of Drug Scaffolds via Aryllithium Intermediates by Numbered-up 3D-Printed Metal Microreactors. <i>ACS Central Science</i> , 2022, 8, 43-50. | 5.3 | 6 |
| 899 | Sustainable preparation of photoactive indole-fused tetracyclic molecules: a new class of organophotocatalysts. <i>Green Chemistry</i> , 2022, 24, 3985-3992. | 4.6 | 12 |
| 900 | The Photochemical Activity of a Halogen-Bonded Complex Enables the Microfluidic Light-Driven Alkylation of Phenols. <i>Organic Letters</i> , 2022, 24, 2961-2966. | 2.4 | 22 |
| 901 | Photocatalytic materials for sustainable chemistry via cooperative photoredox catalysis. <i>Catalysis Today</i> , 2023, 410, 85-101. | 2.2 | 36 |
| 902 | Boosting Efficiency in Light-Driven Water Splitting by Dynamic Irradiation through Synchronizing Reaction and Transport Processes**. <i>ChemSusChem</i> , 2022, 15, . | 3.6 | 8 |
| 904 | Rapid Synthesis of $\hat{\pm}$ -Chiral Piperidines via a Highly Diastereoselective Continuous Flow Protocol. <i>Organic Letters</i> , 2022, 24, 3205-3210. | 2.4 | 5 |
| 905 | Regioselective C-3-alkylation of quinoxalin-2(1 <i>H</i>)-ones <i>via</i> C=N bond cleavage of amine derived Katritzky salts enabled by continuous-flow photoredox catalysis. <i>RSC Advances</i> , 2022, 12, 12235-12241. | 1.7 | 6 |
| 906 | Photochemical aerobic oxidation of sulfides to sulfoxides: the crucial role of wavelength irradiation. <i>Green Chemistry</i> , 2022, 24, 4108-4118. | 4.6 | 32 |
| 907 | Continuous flow mechanochemistry: reactive extrusion as an enabling technology in organic synthesis. <i>Chemical Society Reviews</i> , 2022, 51, 4243-4260. | 18.7 | 58 |
| 908 | Metal-free photo-induced heteroarylations of C-H and C-C bonds of alcohols by flow chemistry. <i>Green Chemistry</i> , 2022, 24, 4498-4503. | 4.6 | 6 |
| 909 | Plant-inspired TransOrigami microfluidics. <i>Science Advances</i> , 2022, 8, eabo1719. | 4.7 | 12 |
| 910 | Reaction Pathways toward Sustainable Photosynthesis of Hydrogen Peroxide by Polymer Photocatalysts. <i>Chemistry of Materials</i> , 2022, 34, 4259-4273. | 3.2 | 60 |
| 911 | $\hat{\pm}$ -C-H Photoalkylation of a Glucose Derivative in Continuous Flow. <i>Synthesis</i> , 2022, 54, 4683-4689. | 1.2 | 4 |
| 912 | Encapsulation-Led Adsorption of Neutral Dyes and Complete Photodegradation of Cationic Dyes and Antipsychotic Drugs by Lanthanide-Based Macrocycles. <i>Inorganic Chemistry</i> , 2022, 61, 7682-7699. | 1.9 | 12 |
| 913 | Synthetic Applications of Photocatalyzed Halogen-Radical Mediated Hydrogen Atom Transfer for C-H Bond Functionalization. <i>European Journal of Organic Chemistry</i> , 2022, 2022, . | 1.2 | 36 |
| 914 | Uncovering the Potential of Boronic Acid and Derivatives as Radical Source in Photo(electro)chemical Reactions. <i>Advanced Synthesis and Catalysis</i> , 2022, 364, 1643-1665. | 2.1 | 28 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 915 | Evidence and Governing Factors of the Radical-Ion Photoredox Catalysis. ACS Catalysis, 2022, 12, 6047-6059. | 5.5 | 27 |
| 916 | Synthesis of 3- <i>epi</i> -Hyapatulin B Featuring a Late-Stage Photo-Oxidation in Flow. Organic Letters, 2022, 24, 4305-4309. | 2.4 | 5 |
| 917 | Strategies for accessing photosensitizers with extreme redox potentials. Chemical Physics Reviews, 2022, 3, . | 2.6 | 21 |
| 918 | Enhanced Photocatalytic Efficiency Via Improved Contact in a Solar-Driven Membrane Reactor for Steroid Hormone Removal. SSRN Electronic Journal, 0, , . | 0.4 | 0 |
| 919 | Modular allylation of C(sp ³)â€“H bonds by combining decatungstate photocatalysis and HWE olefination in flow. Chemical Science, 2022, 13, 7325-7331. | 3.7 | 20 |
| 920 | Solution-processable microporous polymer platform for heterogenization of diverse photoredox catalysts. Nature Communications, 2022, 13, . | 5.8 | 11 |
| 921 | Device for automated screening of irradiation wavelength and intensity â€“ investigation of the wavelength dependence of photoreactions with an arylazo sulfone in continuous flow. Reaction Chemistry and Engineering, 0, , . | 1.9 | 1 |
| 923 | Depolymerization of Lignin by Homogeneous Photocatalysis. Springer Handbooks, 2022, , 1537-1562. | 0.3 | 1 |
| 924 | Photochemical and electrochemical regioselective cross-dehydrogenative C(sp ²)â€“H sulfenylation and selenylation of substituted benzo[<i>a</i>]phenazin-5-ols. New Journal of Chemistry, 2022, 46, 13483-13497. | 1.4 | 12 |
| 926 | Vergleichende Evaluierung lichtgetriebener Katalyse: Ein Rahmenkonzept fÃ¼r das standardisierte Berichten von Daten**. Angewandte Chemie, 0, , . | 1.6 | 0 |
| 927 | Practical Ferrioxalate Actinometry for the Determination of Photon Fluxes in Production-Oriented Photoflow Reactors. Organic Process Research and Development, 2022, 26, 2392-2402. | 1.3 | 4 |
| 930 | Comparative Evaluation of Lightâ€“Driven Catalysis: A Framework for Standardized Reporting of Data**. Angewandte Chemie - International Edition, 2022, 61, . | 7.2 | 32 |
| 931 | A One-Pot Photochemical Method for the Generation of Functionalized Aminocyclopentanes. Organic Letters, 2022, 24, 4344-4348. | 2.4 | 13 |
| 932 | Immobilized Eosin Y for the Photocatalytic Oxidation of Tetrahydroisoquinolines in Flow. ChemCatChem, 2022, 14, . | 1.8 | 6 |
| 933 | An immobilized iron-oxides catalytic platform for photocatalysis and photosynthesis: Visible light induced hydroxylation reactions. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 648, 129428. | 2.3 | 3 |
| 934 | A sustainable photochemical aerobic sulfide oxidation: access to sulforaphane and modafinil. Organic and Biomolecular Chemistry, 2022, 20, 5836-5844. | 1.5 | 12 |
| 935 | Direct Câ€“H metallation of tetrahydrofuran and application in flow. , 2022, 1, 558-564. | | 6 |
| 936 | Synthesis of odorants in flow and their applications in perfumery. Beilstein Journal of Organic Chemistry, 0, 18, 754-768. | 1.3 | 3 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 937 | Alternative Uses of Luminescent Solar Concentrators. <i>Nanoenergy Advances</i> , 2022, 2, 222-240. | 3.6 | 7 |
| 938 | Visible Light-Induced Decarboxylative Alkylations Enabled by Electron Donor-Acceptor Complex. <i>Asian Journal of Organic Chemistry</i> , 2022, 11, . | 1.3 | 7 |
| 939 | Mo ₂ C as Pre-Catalyst for the C-H Allylic Oxygenation of Alkenes and Terpenoids in the Presence of H ₂ O ₂ . <i>Organics</i> , 2022, 3, 173-186. | 0.6 | 0 |
| 940 | Development of controlled reactions using an element-based design of azaporphyrinoid materials. <i>Journal of Porphyrins and Phthalocyanines</i> , 2022, 26, 790-806. | 0.4 | 3 |
| 941 | Synthesis of Coumarin 3-Aldehyde Derivatives via Photocatalytic Cascade Radical Cyclization-Hydrolysis. <i>ChemistrySelect</i> , 2022, 7, . | 0.7 | 3 |
| 942 | Light-promoted oxidation of aldehydes to carboxylic acids under aerobic and photocatalyst-free conditions. <i>Green Chemistry</i> , 2022, 24, 6224-6231. | 4.6 | 25 |
| 943 | 4,7-Diarylbenzo[<i>c</i>][1,2,5]thiadiazoles as fluorophores and visible light organophotocatalysts. <i>Organic Chemistry Frontiers</i> , 2022, 9, 5473-5484. | 2.3 | 6 |
| 944 | Carboxylative Hydroacylation of Styrenes with Alkyl Halides by Multiphoton Tandem Photoredox Catalysis in Flow. <i>ACS Catalysis</i> , 2022, 12, 10018-10027. | 5.5 | 7 |
| 945 | Recent Advancements on Hydrodynamics and Mass Transfer Characteristics for CO ₂ Absorption in Microreactors. <i>Industrial & Engineering Chemistry Research</i> , 2022, 61, 12249-12268. | 1.8 | 13 |
| 946 | Synthesis of Thiomorpholine via a Telescoped Photochemical Thiol-Ene/Cyclization Sequence in Continuous Flow. <i>Organic Process Research and Development</i> , 2022, 26, 2532-2539. | 1.3 | 8 |
| 947 | Microfluidic asymmetrical synthesis and chiral analysis. <i>Journal of Industrial and Engineering Chemistry</i> , 2022, 115, 62-91. | 2.9 | 2 |
| 948 | Visible-Light-Driven α -Hydroxymethylation of Ketones in a Continuous-Flow Microreactor. <i>Synlett</i> , 2023, 34, 86-92. | 1.0 | 2 |
| 949 | Facile synthesis of starch and tellurium doped SrO nanocomposite for catalytic and antibacterial potential: In silico molecular docking studies. <i>International Journal of Biological Macromolecules</i> , 2022, 221, 496-507. | 3.6 | 20 |
| 950 | Scaling up multiphase photochemical reactions using translucent monoliths. <i>Chemical Engineering and Processing: Process Intensification</i> , 2022, 181, 109138. | 1.8 | 5 |
| 951 | Enhanced photocatalytic efficiency via improved contact in a solar-driven membrane reactor for steroid hormone removal. <i>Chemical Engineering Journal</i> , 2023, 451, 138449. | 6.6 | 4 |
| 952 | Autonomous model-based experimental design for rapid reaction development. <i>Reaction Chemistry and Engineering</i> , 2022, 7, 2375-2384. | 1.9 | 11 |
| 953 | Taming photocatalysis in flow: easy and speedy preparation of α -aminoamide derivatives. <i>Green Chemistry</i> , 2022, 24, 6613-6618. | 4.6 | 7 |
| 954 | Polydimethylsiloxane/Glass-Based Composite Elastomer for Thermophysical Applications. <i>Reviews on Advanced Materials and Technologies</i> , 2022, 4, 28-32. | 0.1 | 0 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 955 | Heterogeneous metallaphotoredox catalysis in a continuous-flow packed-bed reactor. <i>Beilstein Journal of Organic Chemistry</i> , 0, 18, 1123-1130. | 1.3 | 4 |
| 956 | Organophotocatalytic oxidation of alcohols to carboxylic acids. <i>Bulletin of the Korean Chemical Society</i> , 2022, 43, 1226-1230. | 1.0 | 6 |
| 957 | A 3D printed photoreactor for investigating variable reaction geometry, wavelength, and fluid flow. <i>Review of Scientific Instruments</i> , 2022, 93, 084103. | 0.6 | 2 |
| 958 | Emerging Activation Modes and Techniques in Visible-Light-Photocatalyzed Organic Synthesis. <i>Synthesis</i> , 2023, 55, 193-231. | 1.2 | 14 |
| 959 | Design and Investigation of a Photocatalytic Setup for Efficient Biotransformations Within Recombinant Cyanobacteria in Continuous Flow. <i>ChemSusChem</i> , 2022, 15, . | 3.6 | 5 |
| 960 | The Merger of Benzophenone HAT Photocatalysis and Silyl Radical-Induced XAT Enables Both Nickel-Catalyzed Cross-Electrophile Coupling and 1,2-Dicarbofunctionalization of Olefins. <i>ACS Catalysis</i> , 2022, 12, 11216-11225. | 5.5 | 24 |
| 961 | Multicomponent Direct Assembly of <i>N</i> -Heterospirocycles Facilitated by Visible-Light-Driven Photocatalysis. <i>Journal of Organic Chemistry</i> , 2022, 87, 13204-13223. | 1.7 | 4 |
| 963 | Continuous-Flow Divergent Lithiation of 2,3-Dihalopyridines: Deprotolithiation versus Halogen Dance. <i>Chemistry - A European Journal</i> , 2022, 28, . | 1.7 | 8 |
| 964 | Direct Synthesis of Oxaspirolactones in Batch, Photoflow, and Silica Gel-Supported Solvent-free Conditions via Visible-Light Photo- and Heterogeneous Brønsted Acid Relay Catalysis. <i>Green Chemistry</i> , 0, . | 4.6 | 1 |
| 965 | Strategies for Transferring Photobiocatalysis to Continuous Flow Exemplified by Photodecarboxylation of Fatty Acids. <i>ACS Catalysis</i> , 2022, 12, 14040-14049. | 5.5 | 17 |
| 966 | Photoredox C ³ -C ² Reductive Cross-Couplings of Cereblon Ligands for PROTAC Linker Exploration in Batch and Flow. <i>ChemCatChem</i> , 2022, 14, . | 1.8 | 9 |
| 967 | Natural Sunlight Photocatalytic Synthesis of Benzoxazole-Bridged Covalent Organic Framework for Photocatalysis. <i>Journal of the American Chemical Society</i> , 2022, 144, 18750-18755. | 6.6 | 63 |
| 968 | Taming Highly Unstable Radical Anions and 1,4-Organodilithiums by Flow Microreactors: Controlled Reductive Dimerization of Styrenes. <i>Jacs Au</i> , 2022, 2, 2514-2521. | 3.6 | 8 |
| 969 | KHMDS/Triglyme Cryptate as an Alternative to Phosphazene Base in Stereodivergent Pentafluoroethylation of <i>N</i> -Sulfinylimines Using HFC-125. <i>Journal of Organic Chemistry</i> , 2022, 87, 15806-15819. | 1.7 | 4 |
| 970 | Photoredox Selective Homocoupling of Propargyl Bromides. <i>Journal of Organic Chemistry</i> , 2023, 88, 6382-6389. | 1.7 | 5 |
| 971 | UV-responsive fluorescent behavior of pharmaceuticals assessed by UV-induced fingerprint spectroscopy (UV-IFS). <i>International Journal of Pharmaceutics</i> , 2022, 628, 122289. | 2.6 | 2 |
| 972 | Designing Modular Assembly of Electrochemical Flow Microreactor as an Enabling Technology of Electrosynthesis in Laminar Flow. <i>European Journal of Organic Chemistry</i> , 2022, 2022, . | 1.2 | 3 |
| 973 | Design and simulation of a uniform irradiance photochemical platform. <i>Reaction Chemistry and Engineering</i> , 2023, 8, 416-423. | 1.9 | 2 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 974 | Merging dual photoredox/cobalt catalysis and boronic acid (derivatives) activation for the Minisci reaction. <i>Organic Chemistry Frontiers</i> , 2022, 9, 6958-6967. | 2.3 | 6 |
| 975 | Toward autonomous laboratories: Convergence of artificial intelligence and experimental automation. <i>Progress in Materials Science</i> , 2023, 132, 101043. | 16.0 | 19 |
| 976 | Flow Photo-On-Demand Phosgenation Reactions with Chloroform. <i>Organic Process Research and Development</i> , 2022, 26, 3336-3344. | 1.3 | 7 |
| 977 | High-Throughput Photochemistry Using Droplet Microfluidics. <i>ACS Symposium Series</i> , 0, , 131-143. | 0.5 | 0 |
| 978 | Recent advances on sustainable bio-based materials for water treatment: Fabrication, modification and application. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 108921. | 3.3 | 20 |
| 979 | Decatungstate-Catalyzed Photochemical Synthesis of Enaminones from Vinyl Azides and Aldehydes. <i>Organic Letters</i> , 2022, 24, 8942-8947. | 2.4 | 7 |
| 980 | Solar Panel Technologies for Light-to-Chemical Conversion. <i>Accounts of Chemical Research</i> , 2022, 55, 3376-3386. | 7.6 | 20 |
| 981 | Friedel-Crafts arylation of aldehydes with indoles utilizing arylazo sulfones as the photoacid generator. <i>Organic and Biomolecular Chemistry</i> , 2023, 21, 365-369. | 1.5 | 10 |
| 982 | Photocatalytic formation of a gas permeable layer selectively deposited on supported metal nanoparticles for sintering-resistant thermal catalysis. <i>Nanoscale Advances</i> , 2023, 5, 1124-1132. | 2.2 | 2 |
| 983 | Remotely controlled flow photo-Fries-type rearrangement of <i>N</i> -vinylazetidiones: an efficient route to structurally diverse 2,3-dihydro-4-pyridones. <i>Reaction Chemistry and Engineering</i> , 0, , . | 1.9 | 0 |
| 984 | Unveiling the impact of the light source and steric factors on [2+2] heterocycloaddition reactions. , 2023, 2, 26-36. | | 17 |
| 985 | Strategies for sustainable organic synthesis. <i>Journal of the Iranian Chemical Society</i> , 0, , . | 1.2 | 1 |
| 987 | Research Acceleration in Self-Driving Labs: Technological Roadmap toward Accelerated Materials and Molecular Discovery. <i>Advanced Intelligent Systems</i> , 2023, 5, . | 3.3 | 10 |
| 988 | Continuous-Flow Chemistry and Photochemistry for Manufacturing of Active Pharmaceutical Ingredients. <i>Molecules</i> , 2022, 27, 8536. | 1.7 | 4 |
| 989 | Minireview: recent efforts toward upgrading lignin-derived phenols in continuous flow. <i>Journal of Flow Chemistry</i> , 0, , . | 1.2 | 0 |
| 990 | Direct Excitation of Aldehyde to Activate the C-H Bond by Cobaloxime Catalysis toward Fluorenones Synthesis with Hydrogen Evolution. <i>Angewandte Chemie</i> , 2023, 135, . | 1.6 | 0 |
| 991 | Photochemical diazidation of alkenes enabled by ligand-to-metal charge transfer and radical ligand transfer. <i>Nature Communications</i> , 2022, 13, . | 5.8 | 19 |
| 992 | Continuous-Flow Photocatalysis for the Direct C-H Trifluoromethylation of Heterocycles with an Organic Photoredox Catalyst. <i>European Journal of Organic Chemistry</i> , 2023, 26, . | 1.2 | 6 |

| # | ARTICLE | IF | CITATIONS |
|------|--|------|-----------|
| 993 | Photochemical [2 + 2] Cycloaddition of Alkenes with Maleimides: Highlighting the Differences between <i>N</i> -Alkyl vs <i>N</i> -Aryl Maleimides. <i>ACS Organic & Inorganic Au</i> , 2023, 3, 96-103. | 1.9 | 9 |
| 994 | Direct Excitation of Aldehyde to Activate the C(sp ²)-H Bond by Cobaloxime Catalysis toward Fluorenones Synthesis with Hydrogen Evolution. <i>Angewandte Chemie - International Edition</i> , 2023, 62, . | 7.2 | 6 |
| 995 | Introduction and Strategy. <i>Springer Theses</i> , 2023, , 1-16. | 0.0 | 0 |
| 996 | Microreactor Technology: Identifying Focus Fields and Emerging Trends by Using CiteSpace II. <i>ChemPlusChem</i> , 2023, 88, . | 1.3 | 2 |
| 997 | Pyridine-Boryl Radical Mediated Decarboxylative Homolytic Substitution of α -hydroxyphthalimide Ester with Ar ₂ X ₂ (X=S, Se). <i>European Journal of Organic Chemistry</i> , 2022, 2022, . | 1.2 | 1 |
| 998 | Inline purification in continuous flow synthesis – opportunities and challenges. <i>Beilstein Journal of Organic Chemistry</i> , 0, 18, 1720-1740. | 1.3 | 7 |
| 999 | Light-accelerated α -ocean-water- α -hydroacylation of dialkyl azodicarboxylates. <i>Organic and Biomolecular Chemistry</i> , 2023, 21, 1284-1293. | 1.5 | 9 |
| 1000 | Visible-light-induced cascade reaction: a sustainable approach towards molecular complexity. <i>Organic and Biomolecular Chemistry</i> , 2023, 21, 1591-1628. | 1.5 | 12 |
| 1001 | Critical Techniques for Overcoming the Diffusion Limitations in Heterogeneously Catalytic Depolymerization of Lignin. <i>ChemSusChem</i> , 2023, 16, . | 3.6 | 1 |
| 1002 | In-line Multidimensional NMR Monitoring of Photochemical Flow Reactions. <i>Chemistry - A European Journal</i> , 2023, 29, . | 1.7 | 4 |
| 1003 | A Synergistic Approach to Atmospheric Water Scavenging. <i>ACS Applied Materials & Interfaces</i> , 2023, 15, 7353-7358. | 4.0 | 0 |
| 1004 | Flow photochemical Giese reaction via silane-mediated activation of alkyl bromides. <i>Tetrahedron Letters</i> , 2023, 117, 154380. | 0.7 | 0 |
| 1005 | Photocatalytic Late-Stage C-H Functionalization. <i>Chemical Reviews</i> , 2023, 123, 4237-4352. | 23.0 | 112 |
| 1006 | A field guide to flow chemistry for synthetic organic chemists. <i>Chemical Science</i> , 2023, 14, 4230-4247. | 3.7 | 67 |
| 1007 | Diarylethene-Based Ionic Liquids: Synthesis and Photo-Driven Solution Properties. <i>International Journal of Molecular Sciences</i> , 2023, 24, 3533. | 1.8 | 1 |
| 1008 | Ex-situ generation and synthetic utilization of bare trifluoromethyl anion in flow via rapid biphasic mixing. <i>Nature Communications</i> , 2023, 14, . | 5.8 | 3 |
| 1009 | Shape-Controlled synthesis of conjugated microporous polymer nanotubes and their implementation in continuous flow polymerization. <i>Chemical Engineering Journal</i> , 2023, 465, 142861. | 6.6 | 8 |
| 1010 | The driving force of biomass value-addition: Selective catalytic depolymerization of lignin to high-value chemicals. <i>Journal of Environmental Chemical Engineering</i> , 2023, 11, 109719. | 3.3 | 13 |

| # | ARTICLE | IF | CITATIONS |
|------|--|------|-----------|
| 1011 | Flow photochemistry " from microreactors to large-scale processing. <i>Current Opinion in Chemical Engineering</i> , 2023, 39, 100897. | 3.8 | 5 |
| 1012 | Quid Pro Flow. <i>Journal of the American Chemical Society</i> , 2023, 145, 4355-4365. | 6.6 | 24 |
| 1013 | Visible-light-induced nickel-catalyzed selective S-arylation of peptides by exogenous-photosensitizer-free photocatalysis. <i>Cell Reports Physical Science</i> , 2023, 4, 101292. | 2.8 | 0 |
| 1015 | Sunlight-or UVA-Light-Mediated Synthesis of Hydroxamic Acids from Carboxylic Acids. <i>European Journal of Organic Chemistry</i> , 2023, 26, . | 1.2 | 7 |
| 1016 | Bismuth vanadate: A versatile heterogeneous catalyst for photocatalytic functionalization of C(sp ²)-H bonds. <i>Chinese Journal of Catalysis</i> , 2023, 46, 157-166. | 6.9 | 5 |
| 1017 | Organo-photocatalytic C-H bond oxidation: an operationally simple and scalable method to prepare ketones with ambient air. <i>RSC Advances</i> , 2023, 13, 7168-7178. | 1.7 | 1 |
| 1018 | Near Field Scattering Optical Model-Based Catalyst Design for Artificial Photoredox Transformation. <i>ACS Catalysis</i> , 2023, 13, 3971-3982. | 5.5 | 32 |
| 1019 | Selective oxidation of benzylic alcohols <i>via</i> synergistic bisphosphonium and cobalt catalysis. <i>Chemical Communications</i> , 2023, 59, 4055-4058. | 2.2 | 4 |
| 1020 | Stepwise on-demand functionalization of multihydrosilanes enabled by a hydrogen-atom-transfer photocatalyst based on eosin Y. <i>Nature Chemistry</i> , 2023, 15, 666-676. | 6.6 | 29 |
| 1021 | Stereoselective [2 + 2] photodimerization: a viable strategy for the synthesis of enantiopure cyclobutane derivatives. <i>Organic and Biomolecular Chemistry</i> , 2023, 21, 2899-2904. | 1.5 | 3 |
| 1022 | Fluoroalkyl Sulfoximines for Versatile Photocatalytic Radical Fluoroalkylations. <i>Chemical Record</i> , 2023, 23, . | 2.9 | 2 |
| 1023 | Nanostructured Carbon Nitride for Continuous-Flow Trifluoromethylation of (Hetero)arenes. <i>ACS Sustainable Chemistry and Engineering</i> , 2023, 11, 5284-5292. | 3.2 | 4 |
| 1024 | A Modular Tubular Flow System with Replaceable Photocatalyst Membranes for Scalable Coupling and Hydrogenation. <i>Angewandte Chemie - International Edition</i> , 0, , . | 7.2 | 1 |
| 1025 | A Modular Tubular Flow System with Replaceable Photocatalyst Membranes for Scalable Coupling and Hydrogenation. <i>Angewandte Chemie</i> , 2023, 135, . | 1.6 | 0 |
| 1026 | Deoxygenation of oximes for the synthesis of pyrrolines <i>via</i> hydroimination cyclization. <i>Organic and Biomolecular Chemistry</i> , 0, , . | 1.5 | 1 |
| 1027 | Encapsulation of Cadmium-Free InP/ZnSe/ZnS Quantum Dots in Poly(LMA-co-EGDMA) Microparticles via Co-flow Droplet Microfluidics. <i>Small Methods</i> , 2023, 7, . | 4.6 | 3 |
| 1028 | An Efficient Light-Mediated Protocol for the Direct Amide Bond Formation via a Novel Carboxylic Acid Photoactivation Mode by Pyridine-CBr ₄ . <i>Chemistry - A European Journal</i> , 2023, 29, . | 1.7 | 6 |
| 1029 | Biomass Photoreforming for Hydrogen and Value-Added Chemicals Co-Production on Hierarchically Porous Photocatalysts. <i>Advanced Energy Materials</i> , 2023, 13, . | 10.2 | 16 |

| # | ARTICLE | IF | CITATIONS |
|------|--|-----|-----------|
| 1030 | Photo-Flow Technology for Chemical Rearrangements: A Powerful Tool to Generate Pharmaceutically Relevant Compounds. ACS Medicinal Chemistry Letters, 2023, 14, 672-680. | 1.3 | 1 |
| 1031 | A simple Norrish Type II actinometer for flow photoreactions. Photochemical and Photobiological Sciences, 2023, 22, 1865-1874. | 1.6 | 3 |
| 1032 | Micro-Batch flow reactor for the photoproduction of H ₂ O ₂ from water/real seawater. Journal of Flow Chemistry, 2023, 13, 185-192. | 1.2 | 3 |
| 1033 | Kinetic study in an automatic continuous-flow photochemical platform with machine learning. AIChE Journal, 2023, 69, . | 1.8 | 0 |
| 1038 | Processing of Chemicals at Scale. , 2021, , 330-414. | | 0 |
| 1048 | Light-Driven Four-Component Reaction with Boronic Acid Derivatives as Alkylating Agents: An Amine/Imine-Mediated Activation Approach. Organic Letters, 2023, 25, 4010-4015. | 2.4 | 2 |
| 1062 | Mechanochemical Synthesis of Cocrystal: From Mechanism to Application. Crystal Growth and Design, 2023, 23, 4680-4700. | 1.4 | 6 |
| 1065 | A practical flow synthesis of hydrazine derivatives from alcohols. New Journal of Chemistry, 2023, 47, 11394-11397. | 1.4 | 2 |
| 1066 | g-C ₃ N ₄ Photocatalysts: Utilizing Electron-Hole Pairs for Boosted Redox Capability in Water Splitting. Energy Material Advances, 2023, 4, . | 4.7 | 7 |
| 1072 | 3D printed reactors and Kessil lamp holders for flow photochemistry: design and system standardization. Journal of Flow Chemistry, 2023, 13, 435-442. | 1.2 | 3 |
| 1074 | Combining Computational Fluid Dynamics, Photon Fate Simulation and Machine Learning to Optimize Continuous-Flow Photocatalytic Systems. Reaction Chemistry and Engineering, 0, , . | 1.9 | 1 |
| 1104 | Green production of 9-aryl-fluoren-9-ols achieved through process intensification of the Grignard reaction using continuous flow at room temperature. Green Chemistry, 0, , . | 4.6 | 0 |
| 1132 | Guiding excited state reactivity – the journey from the PaternÅ²Å¼chi reaction to transposed and aza PaternÅ²Å¼chi reactions. , 2023, , 562-579. | | 0 |
| 1148 | Stereoselective Photocatalytic Transformations in Continuous Flow. , 2024, , . | | 0 |
| 1152 | Chiral Auxiliaries in Continuous Flow Processes. , 2024, , . | | 0 |