# Coralie Jehanno

List of Publications by Year
in descending order



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|---|---|---|---|
| 20 papers | 1,606 citations | 471509 17 h-index | 752698 20 g-index |
| 20 all docs | 20 docs citations | 20 times ranked | 1035 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Critical advances and future opportunities in upcycling commodity polymers. Nature, 2022, 603, 803-814. | 27.8 | 404 |
| 2 | Organocatalysis for depolymerisation. Polymer Chemistry, 2019, 10, 172-186. | 3.9 | 207 |
| 3 | Organocatalysed depolymerisation of PET in a fully sustainable cycle using thermally stable protic ionic salt. Green Chemistry, 2018, 20, 1205-1212. | 9.0 | 182 |
| 4 | Selective Chemical Upcycling of Mixed Plastics Guided by a Thermally Stable Organocatalyst. Angewandte Chemie - International Edition, 2021, 60, 6710-6717. | 13.8 | 118 |
| 5 | Sustainable Materials and Chemical Processes for Additive Manufacturing. Chemistry of Materials, 2020, 32, 7105-7119. | 6.7 | 101 |
| 6 | From Lab to Market: Current Strategies for the Production of Biobased Polyols. ACS Sustainable Chemistry and Engineering, 2021, 9, 10664-10677. | 6.7 | 90 |
| 7 | Synthesis of Functionalized Cyclic Carbonates through Commodity Polymer Upcycling. ACS Macro Letters, 2020, 9, 443-447. | 4.8 | 69 |
| 8 | Rational Study of DBU Salts for the CO<sub>2</sub> Insertion into Epoxides for the Synthesis of Cyclic Carbonates. ACS Sustainable Chemistry and Engineering, 2019, 7, 10633-10640. | 6.7 | 68 |
| 9 | From plastic waste to polymer electrolytes for batteries through chemical upcycling of polycarbonate. Journal of Materials Chemistry A, 2020, 8, 13921-13926. | 10.3 | 60 |
| 10 | Aminolytic upcycling of poly(ethylene terephthalate) wastes using a thermally-stable organocatalyst. Polymer Chemistry, 2020, 11, 4875-4882. | 3.9 | 55 |
| 11 | Dynamic polymer network points the way to truly recyclable plastics. Nature, 2019, 568, 467-468. | 27.8 | 47 |
| 12 | Dual Organocatalysts Based on Ionic Mixtures of Acids and Bases: A Step Toward High Temperature Polymerizations. ACS Macro Letters, 2019, 8, 1055-1062. | 4.8 | 44 |
| 13 | Polyether Synthesis by Bulk Self-Condensation of Diols Catalyzed by Non-Eutectic Acidâ€“Base Organocatalysts. ACS Sustainable Chemistry and Engineering, 2019, 7, 4103-4111. | 6.7 | 37 |
| 14 | Selective Organocatalytic Preparation of Trimethylene Carbonate from Oxetane and Carbon Dioxide. ACS Catalysis, 2020, 10, 5399-5404. | 11.2 | 31 |
| 15 | Polyurethane based organic macromolecular contrast agents (PU-ORCAs) for magnetic resonance imaging. Polymer Chemistry, 2017, 8, 2693-2701. | 3.9 | 26 |
| 16 | Benzoic Acid as an Efficient Organocatalyst for the Statistical Ring-Opening Copolymerization of Îµ-Caprolactone and <scp>L</scp>-Lactide: A Computational Investigation. Macromolecules, 2019, 52, 9238-9247. | 4.8 | 22 |
| 17 | Selective Chemical Upcycling of Mixed Plastics Guided by a Thermally Stable Organocatalyst. Angewandte Chemie, 2021, 133, 6784-6791. | 2.0 | 20 |
| 18 | Stereoretention in the Bulk ROP of <scp>l</scp>-Lactide Guided by a Thermally Stable Organocatalyst. Macromolecules, 2021, 54, 6214-6225. | 4.8 | 17 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | From plastic waste to new materials for energy storage. Polymer Chemistry, 2022, 13, 4222-4229. | 3.9 | 6 |
| 20 | Sustainable Green Polymerizations and Endâ€ofâ€Life Treatment of Polymers. Macromolecular Rapid Communications, 2022, 43, . | 3.9 | 2 |