

## Special Issue

# Functional Porous Materials

### Message from the Guest Editor

Porous materials provide an opportunity to achieve efficient sorption and removal of carbon dioxide from the atmosphere, with applications in Direct Air Capture (DAC). Surface and pore engineering are two key lever arms to enhance pumping speed. A key metric of grams carbon dioxide captured per square meter per second, combined with cycle time for adsorption and desorption, should be used in evaluating and comparing porous materials for DAC. Combined with the total enthalpy for the sorption and desorption cycle, the pumping speed provides a means to model large-scale DAC systems from bench scale experiments.

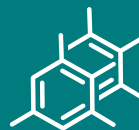
### Guest Editor

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### Deadline for manuscript submissions

closed (31 October 2022)



## Molecules

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### Message from the Editor-in-Chief

As the premier open access journal dedicated to experimental organic chemistry, and now in its 25th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts and novel materials. Pushing the boundaries of the discipline, we invite papers on multidisciplinary topics bridging biochemistry, biophysics and materials science, as well as timely reviews and topical issues on cutting edge fields in all these areas.

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