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Showcasing research from Professor de Pablo's laboratory, University of Chicago, IL, USA.

Generative BigSMILES: an extension for polymer informatics, computer simulations & ML/AI

Generative BigSMILES (G-BigSMILES) enhances the BigSMILES line notation for representing polymer ensembles. It includes reactivity ratios, molecular weight distributions, and ensemble size data to facilitate molecule generation. This notation streamlines AI-driven accelerated materials design and advancements in polymer science. The code for this research can be found at https://github.com/InnocentBug/ bigSMILESgen.

As featured in:



See Ludwig Schneider, Juan de Pablo *et al.*, *Digital Discovery*, 2024, **3**, 51.

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