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#### Cover See Sapna Sarupria et al., pp. 432-446. Image reproduced by permission of Jonathan Zajac and Sapna Sarupria from Mol. Syst. Des. Eng.,

2025, 10, 432.



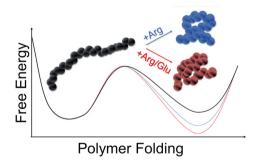
#### Inside cover See Stephen P. Vicchio, Rachel B. Getman et al., pp. 447-458. Image reproduced by permission of Rachel Getman from Mol. Syst. Des. Eng., 2025, 10, 447.

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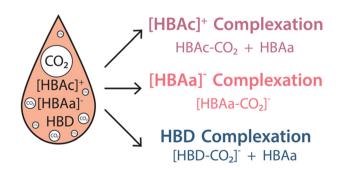
Towards stable biologics: understanding coexcipient effects on hydrophobic interactions and solvent network integrity

Jonathan W. P. Zajac, Praveen Muralikrishnan, Caryn L. Heldt, Sarah L. Perry and Sapna Sarupria\*



Quantum chemical screening of eutectic solvent components for insights into CO<sub>2</sub> complexation mechanisms

Stephen P. Vicchio,\* Osasumwen J. Ikponmwosa and Rachel B. Getman\*





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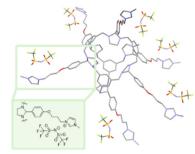
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#### Construction of an organic cage-based porous ionic liquid using an aminal tying strategy

Aiting Kai, Austin Mroz, Kim E. Jelfs, Andrew I. Cooper, Marc A. Little and Rebecca L. Greenaway\*



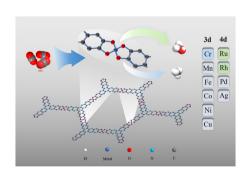
### [RCC1-IM][NTf2]<sub>6</sub>

- Organic cage core
- Porous ionic liquid
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- Enhanced CO<sub>2</sub> uptake
- Permanent porosity

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#### First-principles study on electrocatalytic CO<sub>2</sub> reduction by 2D TM<sub>3</sub>(HATNA)<sub>2</sub>: products and mechanism

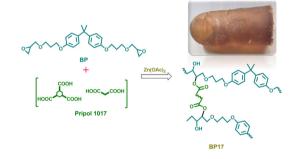
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