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Showcasing research from Advanced Technologie's team developed under the DARPA EMBER Program led by Kate Kucharzyk, PhD co-Principle Investigator at Battelle Memorial Institute, Columbus, Ohio and Scott Banta, PhD co-Principle Investigator at the Columbia University in the City of New York, New York City, NY.

Mining peptides for mining solutions: evaluation of calcium-binding peptides for rare earth element separations

Bioinformatic search to identify calcium-binding peptides with high affinity to bind and separate rare earth elements revealed a strong correlation between the charge of the binding loop and its affinity for rare earth elements by a HEW5 protein.

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As featured in:



See Katarzyna H. Kucharzyk, Scott Banta *et al.*, *Chem. Sci.*, 2025, **16**, 15333.