



We are a self-funded family business

We are people-focused and care about Ethics and Environment */

7* We push frontiers to deliver In Silico Material Design

We bring genuine value to our customers by placing facts over fictions */





/* We have made Crystal Structures Predictable */

a GRACE module



OUR 1

Used in >100/year industrial polymorph screens We have proven that the stable form is missing in 15-45% of the cases

Faraday Discussions doi.org/10.1039/C8FD00069G

Based on GRACE winner of the 2007, 2010 and 2015 blind tests on crystal structure prediction

Report on the sixth blind test doi.org/10.1107/S2052520616007447

$\begin{split} \widehat{a}_{q} \left\{ \mathcal{L}_{1} \mathcal{L}_{1}^{I} \mathcal{L}_{2} \mathcal{L}^{I} := \sum_{i} \mathbb{E}_{0} (l + \ell') / k' \langle \sigma_{i} \widehat{\psi}_{i}(\mathcal{L}_{i}) = -i \widehat{h} (l - \ell') / k' \widehat{\psi}_{i}^{I}(\mathcal{L}_{i}) \mathcal{O} \rangle \\ \widehat{a}_{q} \left\{ \mathcal{L}_{1} \mathcal{L}_{1}^{I} = \sum_{i} \sum_{k=0}^{n} \langle \mathcal{T}_{k} \in \mathcal{O}_{i} \mathcal{L}_{1}^{I}, \mathcal{T}_{i} = -i \widehat{h} (l' - \ell') / k' \widehat{\psi}_{i}(\mathcal{L}_{i}) \mathcal{O} \rangle \\ \widehat{a}_{q} \left\{ \mathcal{L}_{1} \mathcal{L}_{1}^{I} = \sum_{i} \sum_{k=0}^{n} \langle \mathcal{T}_{k} \in \mathcal{O}_{i} \mathcal{L}_{1}^{I}, \mathcal{T}_{i} = -i \widehat{h} (l' - \ell') / k' \widehat{h}_{i}(\mathcal{L}_{i}) \mathcal{O} \rangle \\ \widehat{d} \left\{ \mathcal{L}_{1} \mathcal{L}_{1}^{I} = \sum_{i} \sum_{k=0}^{n} \mathcal{H}_{N} \rangle \langle \mathcal{T}_{N} \rangle \\ \widehat{d} \left\{ \widehat{\mathcal{H}}_{1} \mathcal{H}_{N} \rangle = \mathbb{E}_{k,M} \mathcal{H}_{N} \rangle, \mathbb{E}_{n,M_{2}, d} = \mathbb{E}_{n}^{-1} \mathcal{H}_{n} \mathcal{L}_{n} \rangle = \mathcal{H}_{n} \rangle \\ \widehat{d} \left\{ \widehat{\mathcal{H}}_{1} = \sum_{i=0}^{n} \mathcal{H}_{N} \rangle \langle \mathcal{T}_{N} \rangle \\ \widehat{d} \left\{ \widehat{\mathcal{H}}_{1} \mathcal{H}_{N} \rangle \rangle = \mathbb{E}_{k,M} \mathcal{H}_{N} \rangle, \mathbb{E}_{n,M_{2}, d} = \mathbb{E}_{n}^{-1} \widehat{\mathcal{H}}_{n} \rangle = \mathcal{H}_{n} \rangle \\ \widehat{d} \left\{ \widehat{\mathcal{H}}_{1} = \sum_{i=0}^{n} \mathcal{H}_{N} \rangle \langle \mathcal{L}_{N} \rangle \\ \widehat{d} \left\{ \widehat{\mathcal{H}}_{1} = \sum_{i=0}^{n} \widehat{\mathcal{H}}_{1} \rangle \langle \widehat{\mathcal{H}}_{1} \rangle \langle \widehat{\mathcal{H}}_{n} \rangle \\ \widehat{d} \left\{ \widehat{\mathcal{H}}_{1} = -i \widehat{\mathcal{L}}_{n} \rangle \\ \widehat{d} \left\{ \widehat{d} \left\{ \widehat{\mathcal{H}}_{1} + i \widehat{\mathcal{H}}_{n} \rangle \\ \widehat{d} \left\{ \widehat{\mathcal{H}}_{1} + i \widehat{\mathcal{H}}_{n} \rangle \\ \widehat{d} \left\{ \widehat{\mathcal{H}}_{1} + i \widehat{\mathcal{H}}_{n} \rangle \\ \widehat{d} \left\{ \widehat{d} \left\{ \widehat{\mathcal{H}}_{1} + i \widehat{\mathcal{H}}_{n} \rangle \\ \widehat{d} \left\{ \widehat{d} \left\{ \widehat{\mathcal{H}}_{1} + i \widehat{\mathcal{H}}_{n} \rangle \right \right\} \\ \widehat{d} \left\{ \widehat{d} \left\{ \widehat{\mathcal{H}}_{1} + i \widehat{\mathcal{H}}_{n} \rangle \\ \widehat{d} \left\{ \widehat{d} \left\{ \widehat{\mathcal{H}}_{1} + i \widehat{\mathcal{H}}_{n} \rangle \right \right\} \\ \widehat{d} \left\{ \widehat{d} \left\{ \widehat{d} \left\{ \widehat{\mathcal{H}}_{1} + i \widehat{\mathcal{H}}_{n} \rangle \right\} \right\} \\ \widehat{d} \left\{ \widehat{d} \left\{ \widehat{d} \left\{ \widehat{\mathcal{H}}_{1} + i \widehat{\mathcal{H}}_{n} \rangle \right\} \right\} \\ \widehat{d} \left\{ \widehat{d} \left\{ \widehat{d} \left\{ \widehat{d} \left\{ \widehat{\mathcal{H}}_{1} + i \Big\{ \widehat{d} \left\{ \widehat{d} \left\{ $	$\begin{split} \mathcal{L}_{j}^{\dagger}(t-t')^{\dagger} &= \left\{ \{J > t': e^{-t} \in \mathcal{O}(t-t')/k, \langle O \psi_{k}^{\dagger}(t') e^{-i\hat{H}}(t-t')/k, \psi_{k}^{\dagger}(t') O \rangle \\ \mathcal{L}_{j}^{\dagger}(\omega) = \int_{-\infty}^{+\infty} d\tau \mathcal{L} \int_{0}^{\infty} \int_{0}^{\infty} f(t') e^{-i\hat{M}}(t-t')/k, \psi_{k}^{\dagger}(t') O \rangle \\ \tilde{H} = \sum_{n=0}^{+\infty} d\tau \mathcal{L} \int_{0}^{\infty} \int_{0}^{\infty} f(t') e^{-i\omega \mathcal{T}} \\ \tilde{H}^{\dagger}(n) \geq \int_{0}^{\infty} \int_{0}$	$\begin{split} \widehat{h}_{ql} \left(\mathcal{L}_{1} \mathcal{L}_{1}^{I} \mathcal{L}_{1} \mathcal{L}_{2}^{I} \right) &= \left\{ \underbrace{f}_{2} \mathcal{L}_{1}^{I} : e^{i E_{0} \left(t - t^{\prime} \right) / k} \left\langle \sigma_{l} \left(\widehat{h}_{1}^{\ell} (L_{1}) - i^{\prime} \widehat{h}_{1}^{\ell} (L_{1}) \right) \right) \right\} \\ &= \left\{ \underbrace{f}_{2} \mathcal{L}_{1}^{I} : e^{i E_{0} \left(t - t^{\prime} \right) / k} \left\langle \sigma_{l} \right\rangle \left\langle \widehat{h}_{1}^{\dagger} (L_{1}) - i^{\prime} \widehat{h}_{1}^{\ell} (L_{1}) \right 0 \right\rangle \right\} \\ &= \left\{ \underbrace{f}_{q} \left\{ \mathcal{L}_{1}^{I} (L_{1}) \right\} = \left\{ \underbrace{f}_{a} \mathcal{L}_{a}^{I} : e^{i E_{0} \left(t - t^{\prime} \right) / k} \left\langle \sigma_{l} \right\rangle \left\langle \widehat{h}_{1}^{\dagger} (L_{1}) - i^{\prime} \widehat{h}_{a}^{I} (L_{1}) \right\rangle \right\} \\ &= \left\{ \widehat{h}_{1}^{I} = \sum_{n} \left\{ \widehat{h}_{n} \right\} \right\} \\ &= \left\{ \widehat{h}_{1}^{I} = \sum_{n} \left\{ \widehat{h}_{n} \right\} \left\{ \widehat{h}_{n} \right\} \right\} = \left\{ \underbrace{h}_{a} \mathcal{H}_{1} \right\} \\ &= \left\{ \widehat{h}_{1}^{I} = \left\{ \widehat{h}_{n} \right\} \\ &= \left\{ \widehat{h}_{1}^{I} \left(\widehat{h}_{n} \right) \right\} \\ &= \left\{ \widehat{h}_{1}^{I} \left\{ \widehat{h}_{n} \right\} \\ &= \left\{ \widehat{h}_{1}^{I} \left\{ \widehat{h}_{n} \right\} \right\} \\ &= \left\{ \widehat{h}_{1}^{I} \left\{ \widehat{h}_{n} \right\} \right\} \\ &= \left\{ \widehat{h}_{1}^{I} \left\{ \widehat{h}_{n} \right\} \\ &= \left\{ \widehat{h}_{1}^{I} \left\{ \widehat{h}_{n} \right\} \\ &= \left\{ \widehat{h}_{1}^{I} \left\{ \widehat{h}_{n} \right\} \right\} \\ &= \left\{ \widehat{h}_{1}^{I} \left\{ \widehat{h}_{n} \right\} \\ &= \left\{ \widehat{h}_{1}^{I} \left\{ \widehat{h}_{n} \right\} \right\} \\ \\ &= \left\{ \widehat{h}_{1}^{I} \left\{ \widehat{h}_{n} \right\} \\ &= \left\{ \widehat{h}_{1}^{I} \left\{ \widehat{h}_{n} \right\} \\ &= \left\{ \widehat{h}_{1}^{I} \left\{ \widehat{h}_{n} \right\} \right\} \\ \\ &= \left\{ \widehat{h}_{1}^{I} \left\{ \widehat{h}_{n} \right\} \\ \\ &= \left\{ \widehat{h}_{n}^{I} $

CSP FACTORY

a GRACE module

Is a fully automated software to generate crystal energy landscapes

Creates combined hydrate-anhydrate landscapes

Works for neat forms, co-crystals, solvates and salts of flexible molecules

Computes lattice free energies as a function of temperature and relative humidity with known error bars