DMREF: Collaborative Research: HybriD^3: Discovery, Design, Dissemination of Organic-Inorganic Hybrid Semiconductor Materials for Optoelectronic Applications

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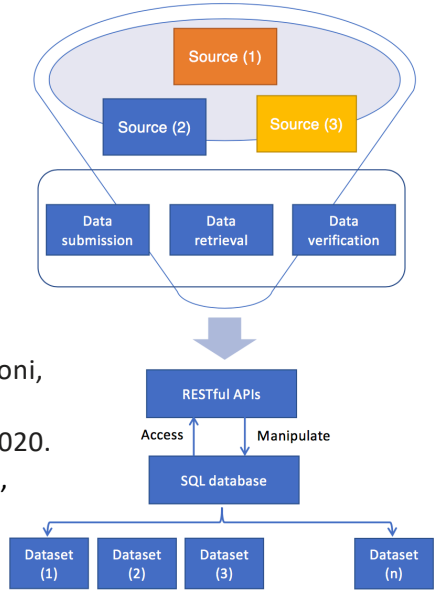
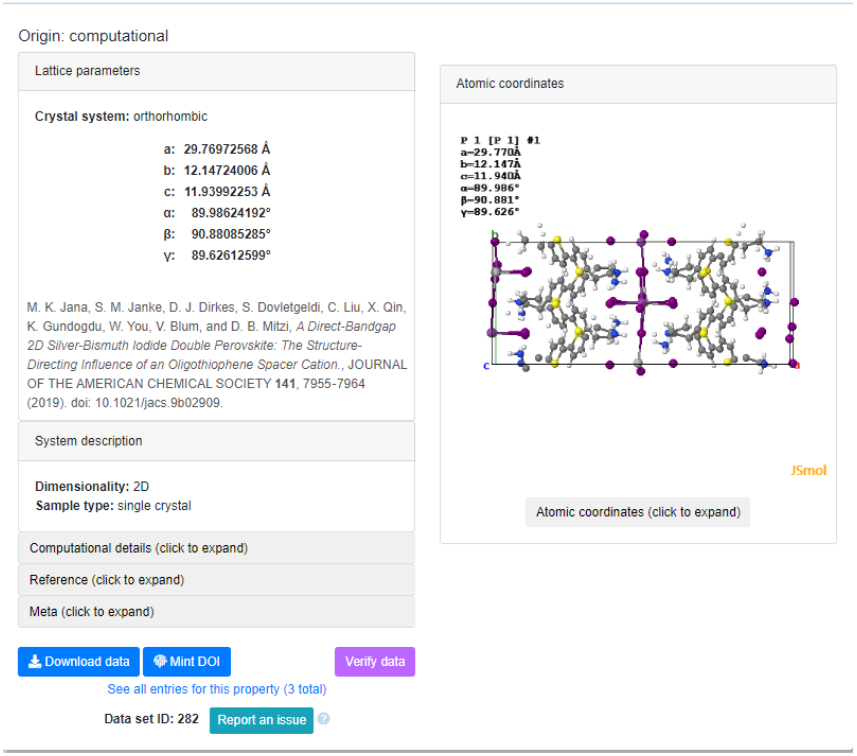
Award #: 1729297, 1728921, 1729383

This project, called "HybriD^3", aims to accelerate the "Design, Discovery, and Dissemination" (D^3) of new crystalline organic-inorganic hybrid semiconductors. This poster will focus on the **software and data related aspects of the project.**

The underlying software, MatD^3, is available for use in other, independent databases and has been integrated with the "Qresp" application ("Curation and Exploration of Reproducible Scientific Papers")





MatD^3: Laasner, Du, Tanikanti, Clayton, Govoni, Galli, Ropo, Blum.
Journal of Open Source Software, 5:1945, 2020.
Qresp: Govoni, Munakami, Tanikanti, Skone, Runesha, Giberti, de Pablo, Galli.
Scientific Data, 6:190002, 2019.