This site explains the content and usage of the data platform constructed by MI2I, that is being conducted as the JST Innovation Hub.					
Mi ² i ^{"Materials} research by Information Integration" Initiative 情報統合型物質・材料開発イニシアティブ				Login	Japanese English
Database API	Tools	Cluster system	Cloud system	Usage guide	Reference
LINK NIMS Materials database	Home > Database API (Outline) Database API Database API				
	Outline				

"API of MatNavi data" is application programming interface (API) for acquiring various material data from databases integrated in "NIMS Materials database".

Common specifications

- Based on Representational State Transfer (REST) style
- Response format: JSON format
- Sample code: Python 2.X and Python 3.X

NIMS Materials database

This is the list of Web API. We developed 6 APIs in MatNavi.

Inorganic Material Database (AtomWork-Adv)

Computational Electronic Structure Database (CompES-X)

Diffusion Database (Kakusan)

Superconducting Material Database (SuperCon)

CCT Diagram Database (CCTD)

Polymer Database (PoLyInfo)

Only access from NIMS Users can see "details of Database API".



Mi² "Materials research by Information Integration" Initiative 情報統合型物質・材料開発イニシアティブ

dpf-support@nims.go.jp

This site explains the content and usage of the data platform constructed by MI2I, that is being conducted as the JST Innovation Hut © 2017 National Institute for Materials Science (NIMS).