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## 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".