A bouquet of flowers in a vase, with a large diamond crystal in the foreground. The flowers are purple and white, and the vase is silver. The diamond crystal is large and faceted, with a complex cut. The background is a light blue gradient.

**It is not always true, when people say
“things are as clear as a crystal.”**

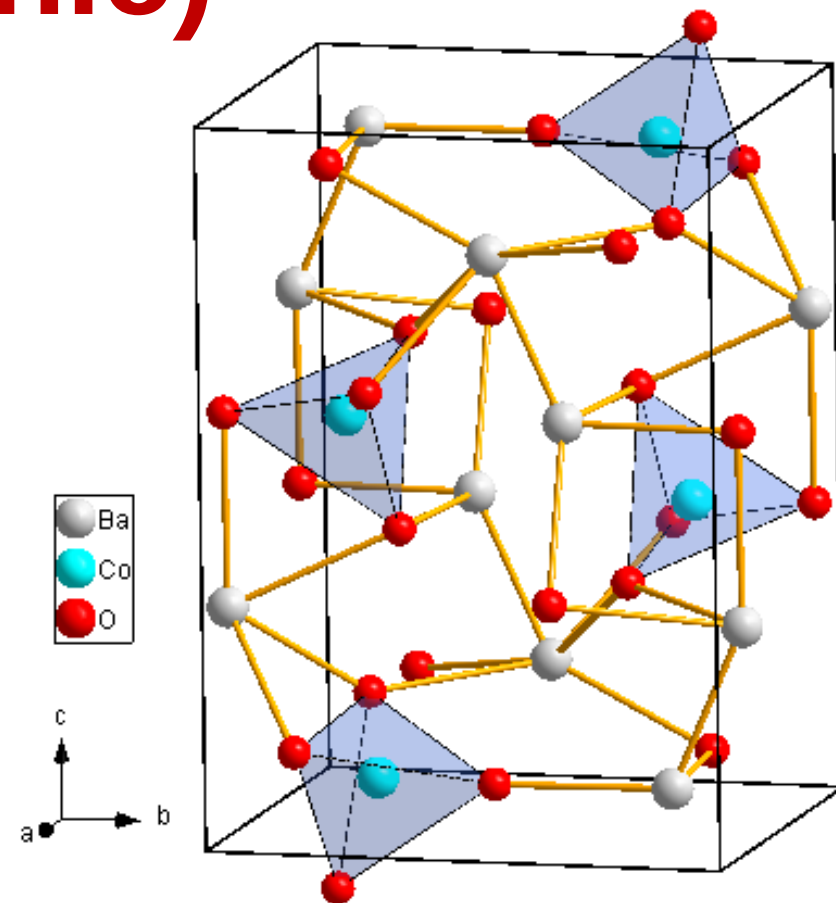
**We are dealing with crystals that are
not clear...**

Ba₂CoO₄ (monoclinic)

a = 5.9176 Å
b = 7.6192 Å
c = 10.3790 Å
β = 91.714°



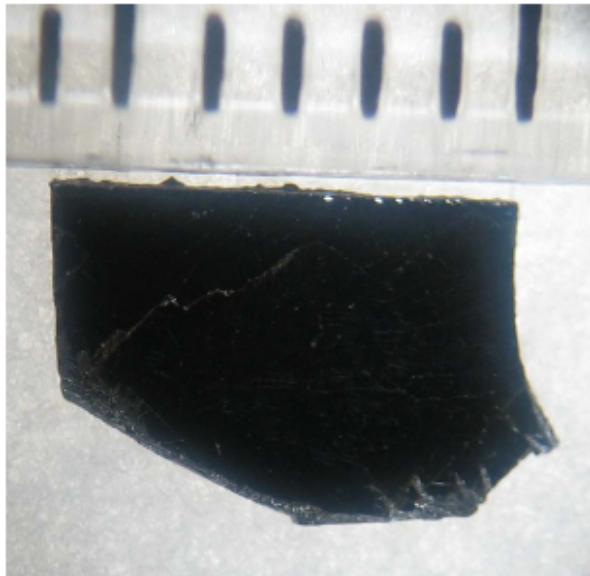
H. Sha; G. Cao



Jin Publications: 79, 140, 214, 240

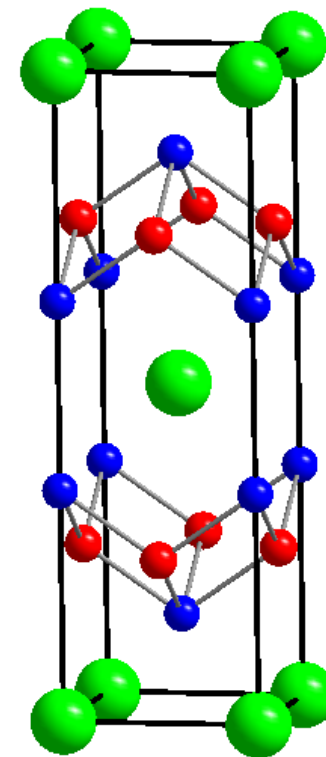


Tetragonal/orthorhombic



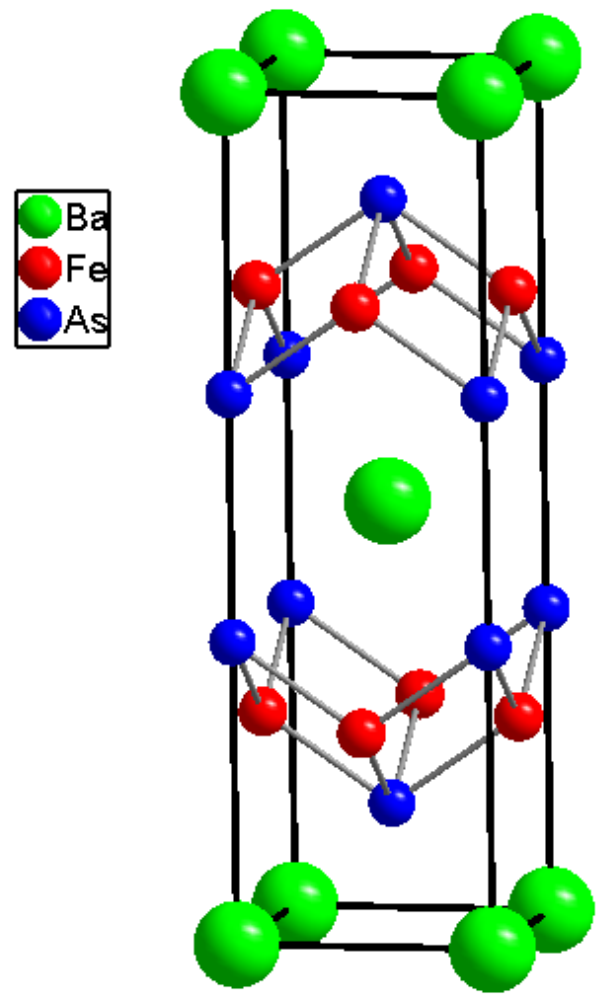
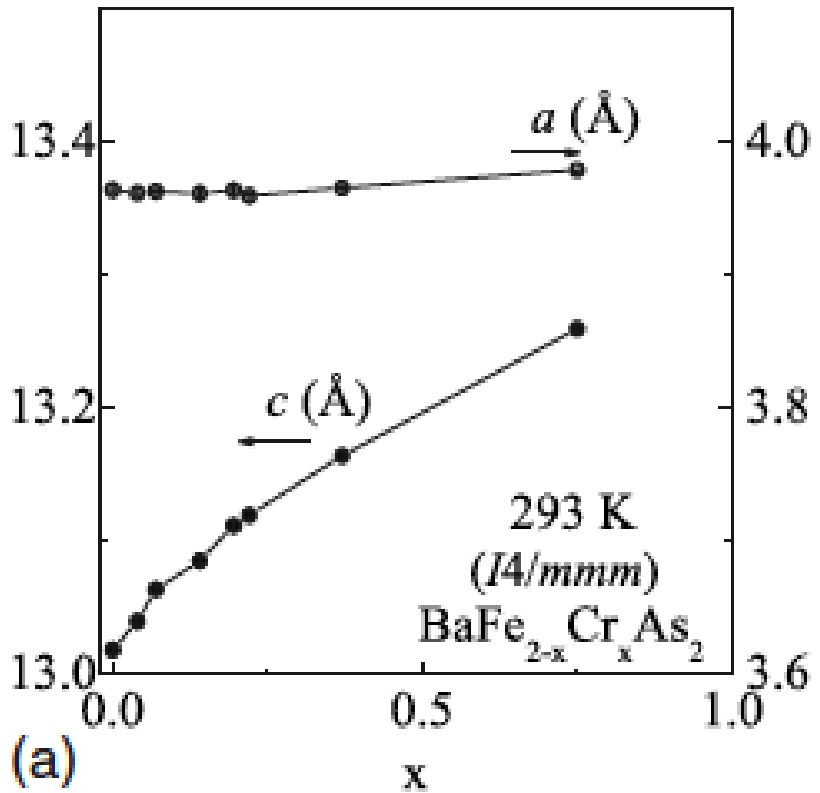
Y. Xiong;

A.Karki



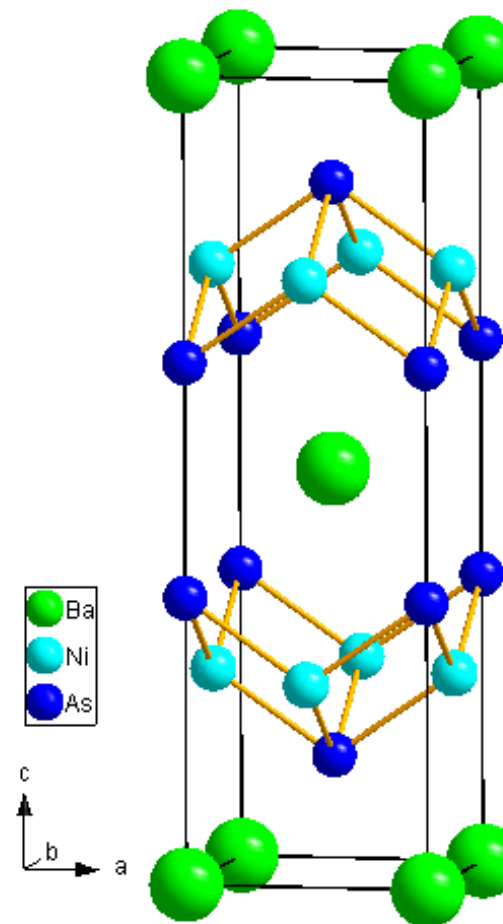
**Jin Publications: 109, 113, 115, 121, 122, 123,
129, 130, 132, 133, 138, 141, 143, 149, 150, 151,
173, 182, 216**

Ba(Fe_{1-x}Cr_x)₂O₄



Tetragonal

Jin Publication: 137

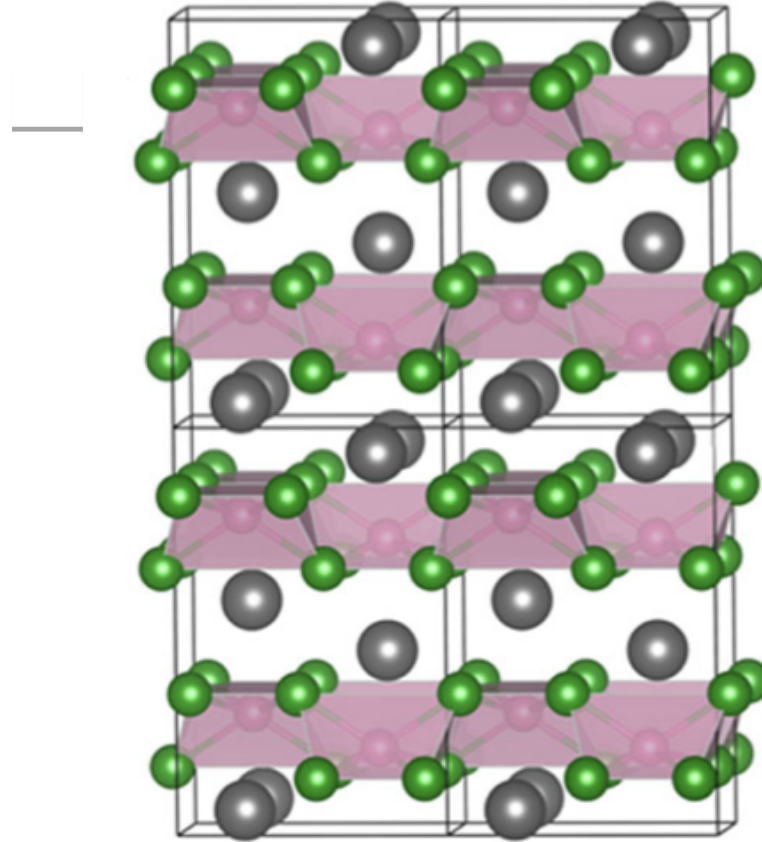


Jin Publications: 126, 128



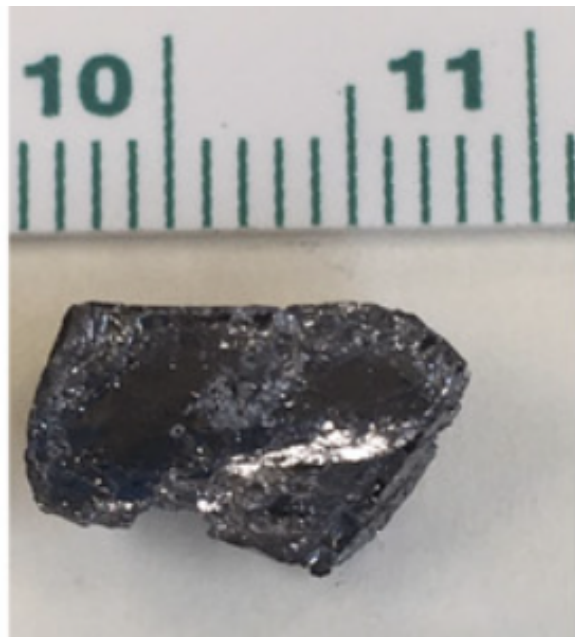
Jin Publications: 39

$BaIrSn_2$ (orthorhombic)

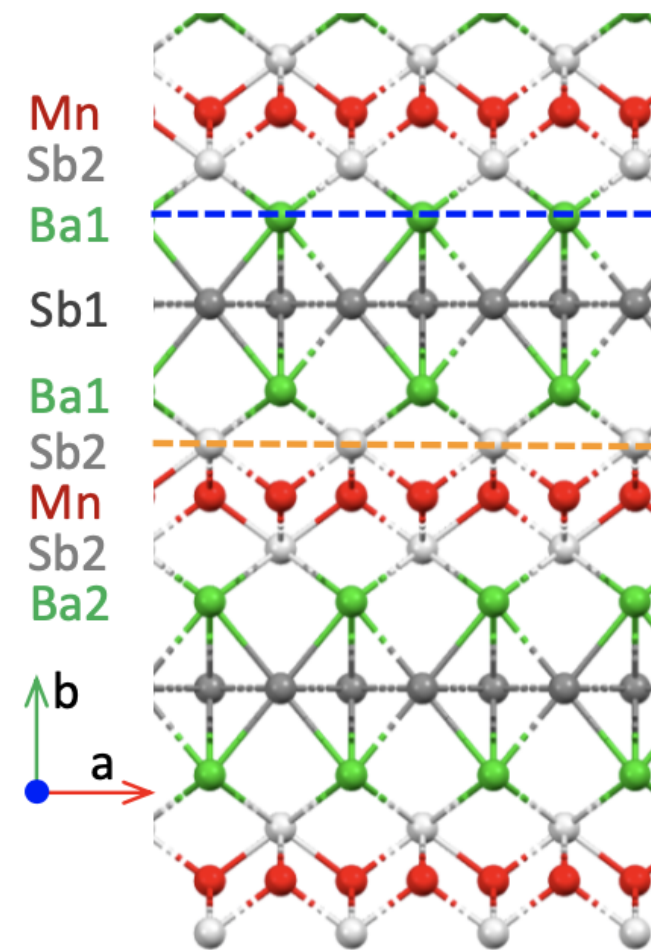


Publication: 220

BaMnSb₂

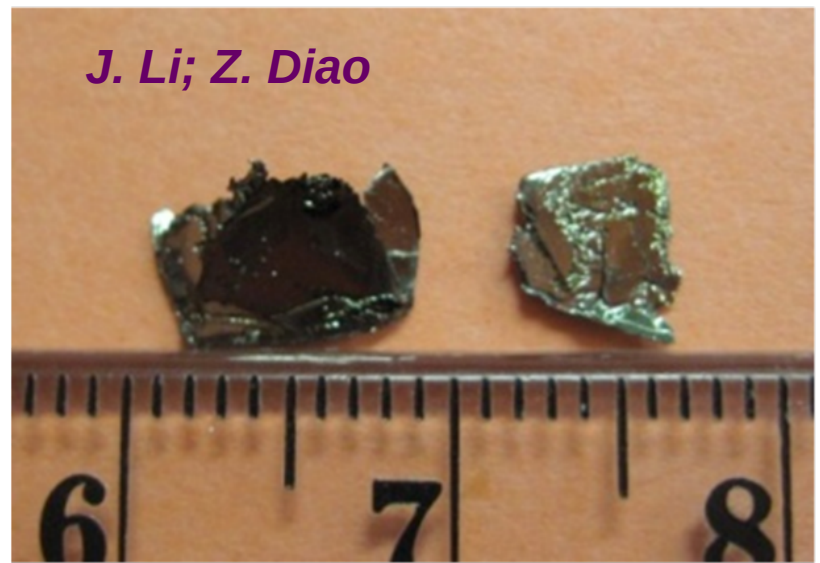


S. Huang; J. Blawat

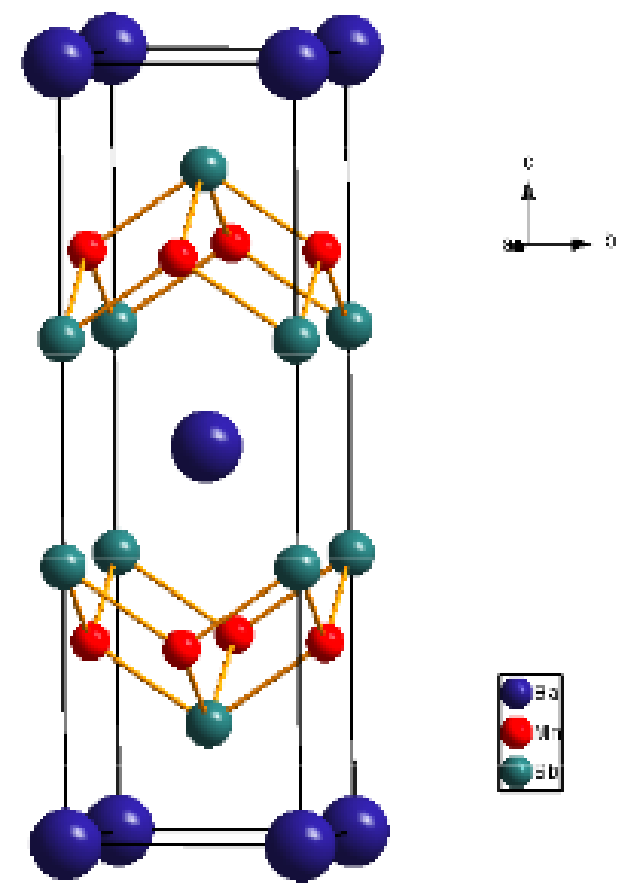


Jin Publications: 197, 233, 249

BaMn₂Sb₂

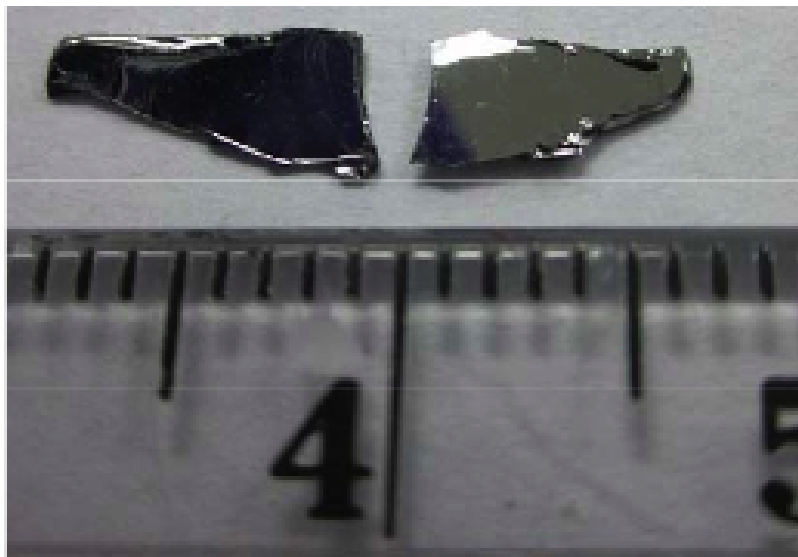


tetragonal structure

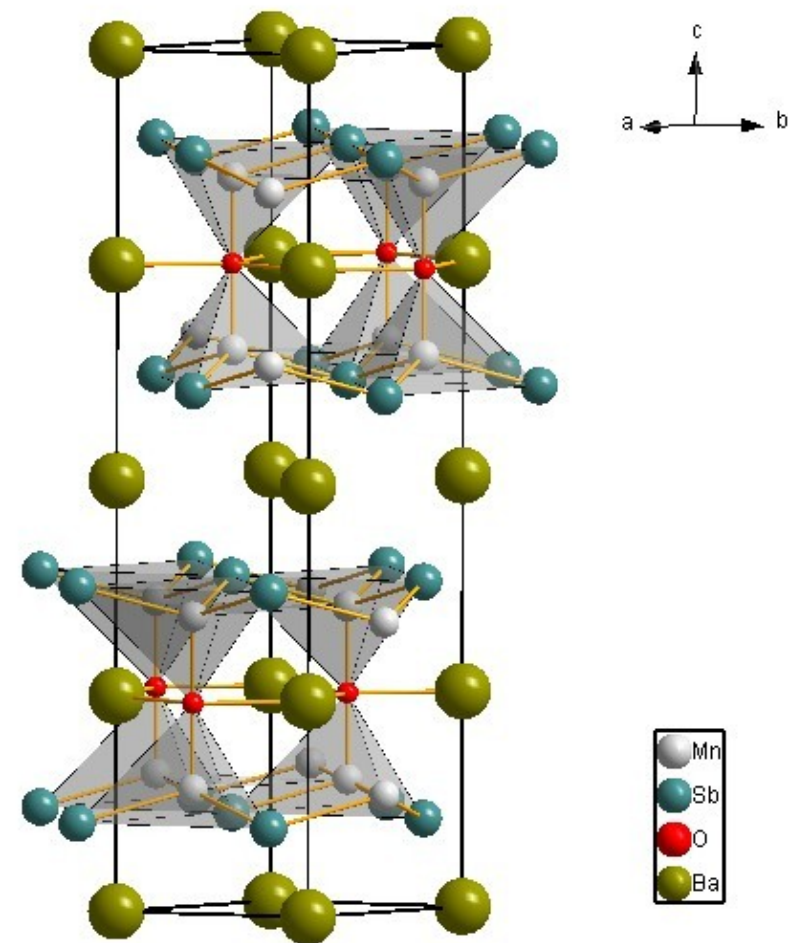


Jin Publication: 218

Ba₂Mn₂Sb₂O

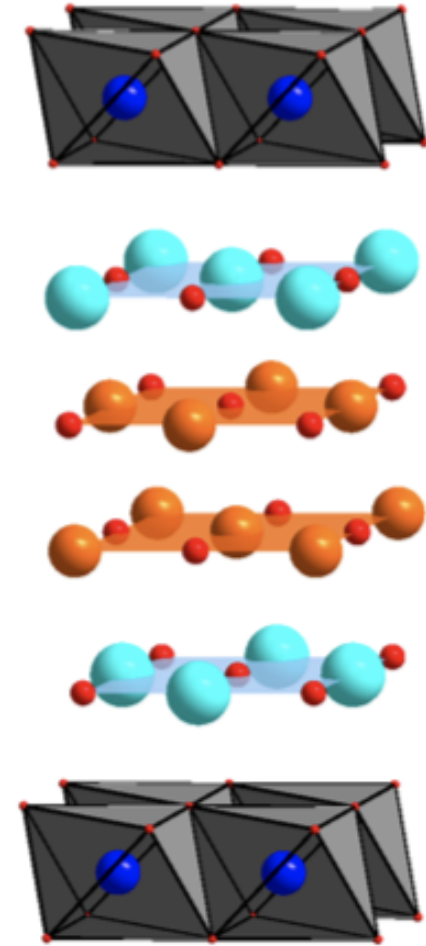
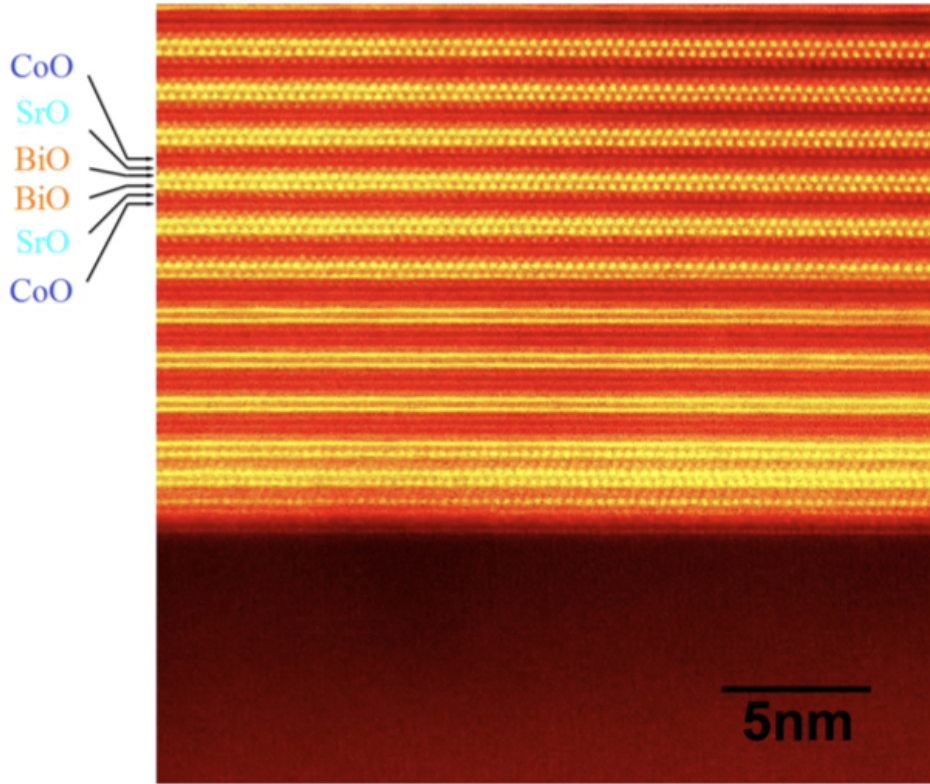


J. Li; Z. Diao



$$a = b = 4.71(1) \text{ \AA}, c = 20.04(2) \text{ \AA}$$

$\text{Ba}_2\text{Sr}_2\text{Co}_2\text{O}_9$



Publication: 193

BaRuO₃

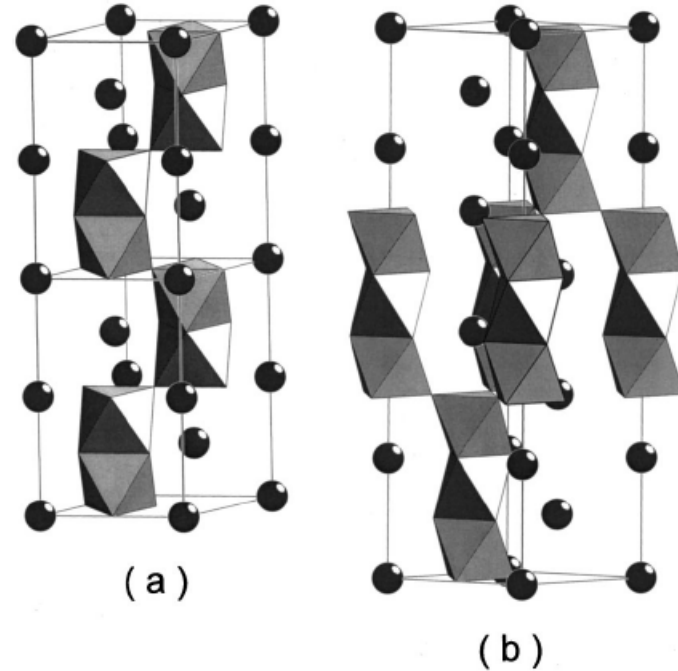
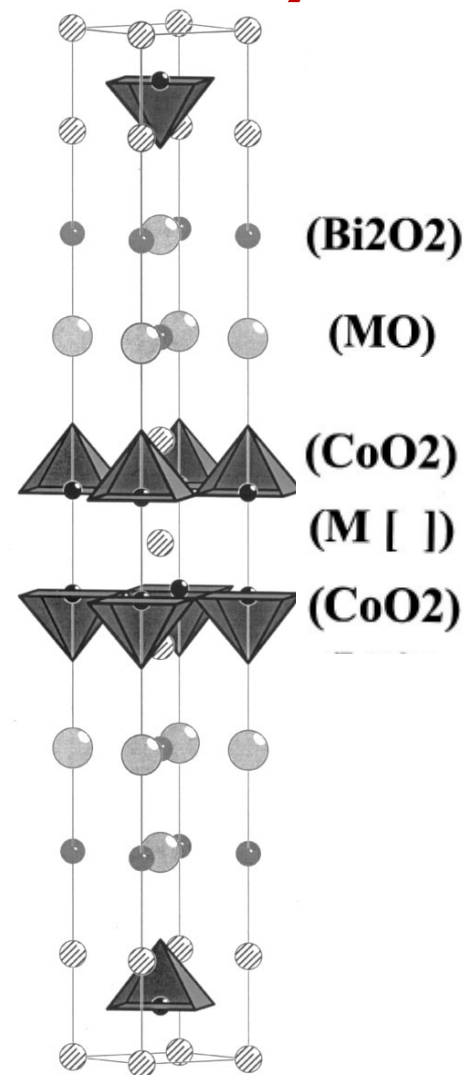


FIG. 1. Comparison of the crystal structures of the two crystallographic forms of BaRuO₃. (a) four-layer phase, (b) nine-layer phase. The RuO₆ coordination octahedra are represented by geometrical figures (Ru at the center, O at corners), and the Ba as circles. The crystallographic cells are outlined.

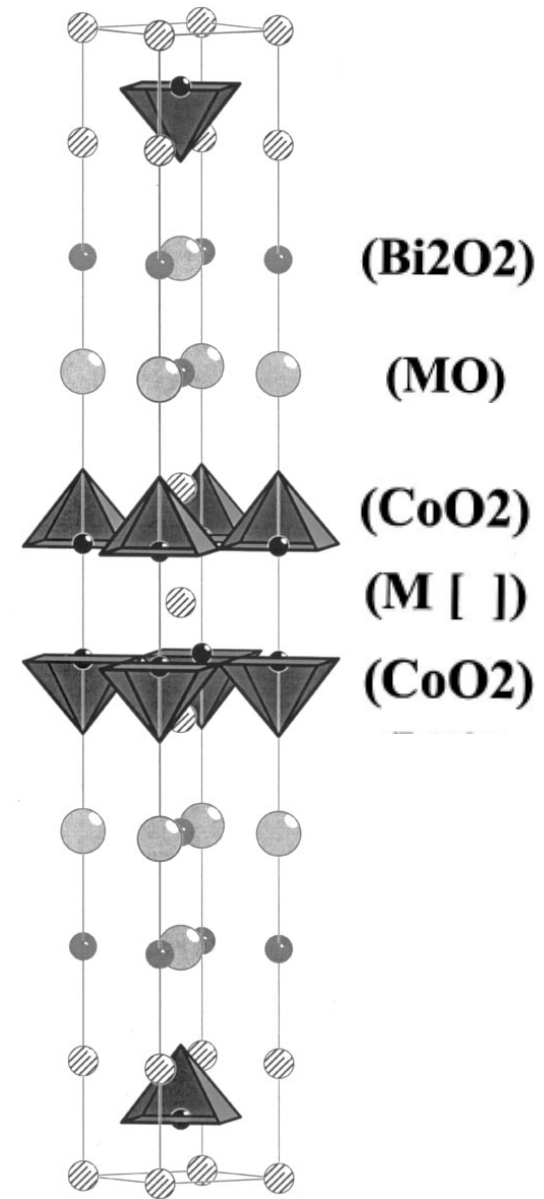
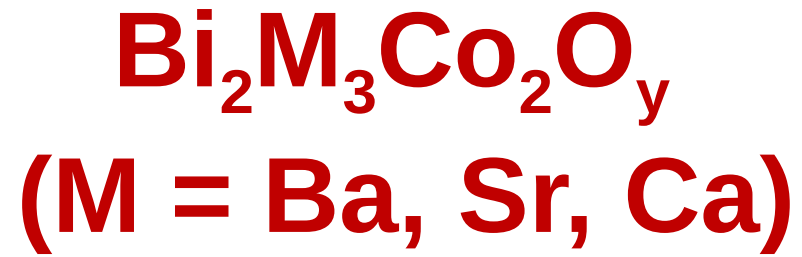
Publication: 27



Publications: 10



Publications: 27, 28



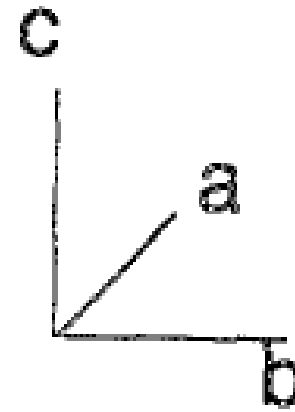
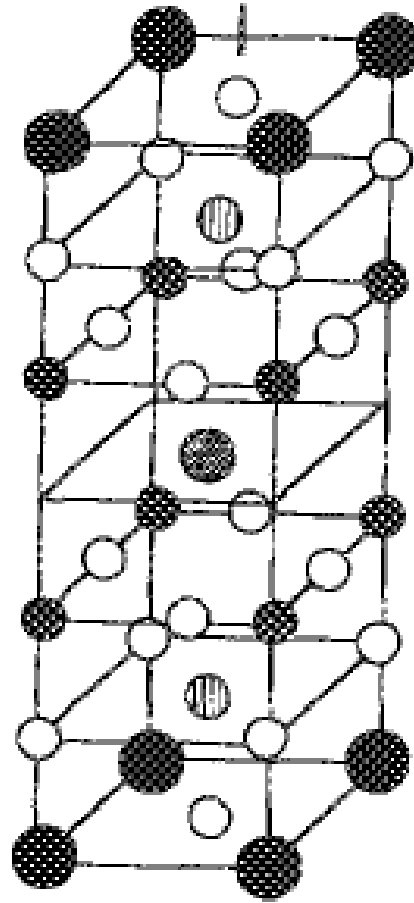
Publications: 27, 28, 30, 31



Publications: 6

$\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_8$

- : Bi
- : Ca
- : Sr
- : Cu
- : O



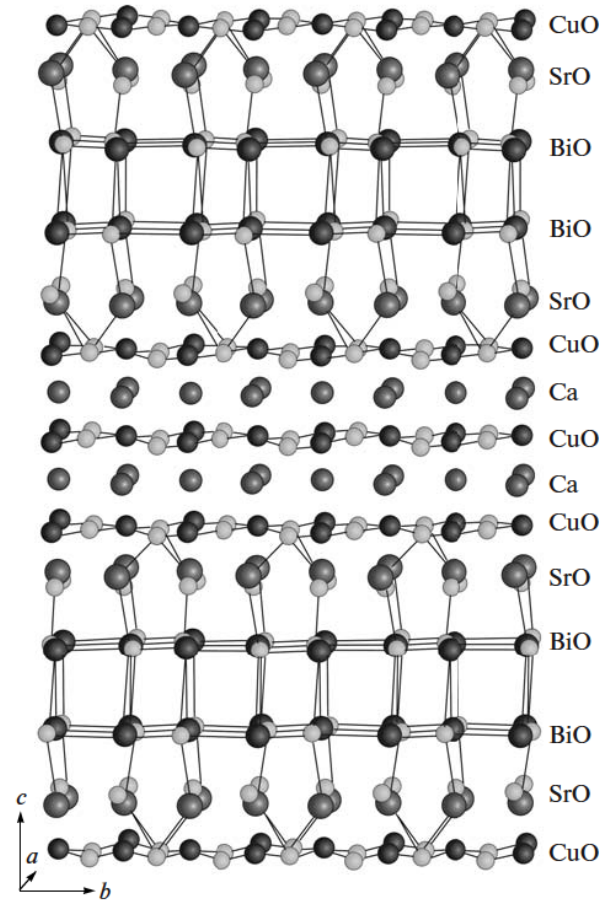
$$a=5.4 \text{ \AA}$$

$$b=5.4 \text{ \AA}$$

$$c=30.7 \text{ \AA}$$

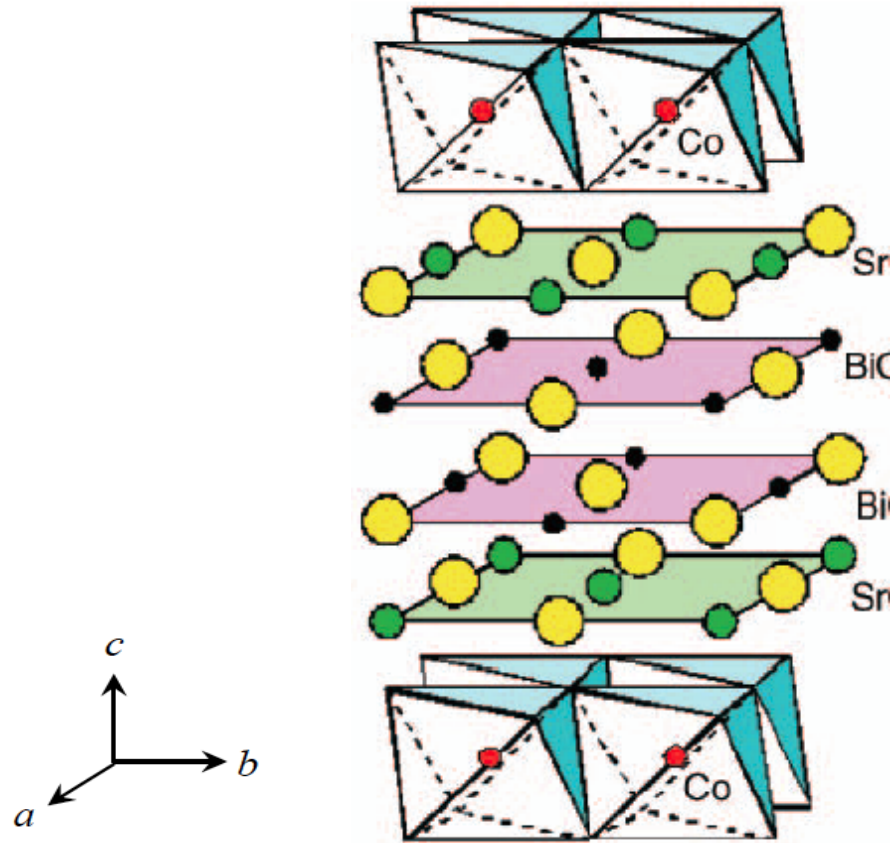
Publications: 8, 9, 10, 11, 12, 14, 15, 16, 18, 19, 20,

21, 23



Publications: 3, 4, 24

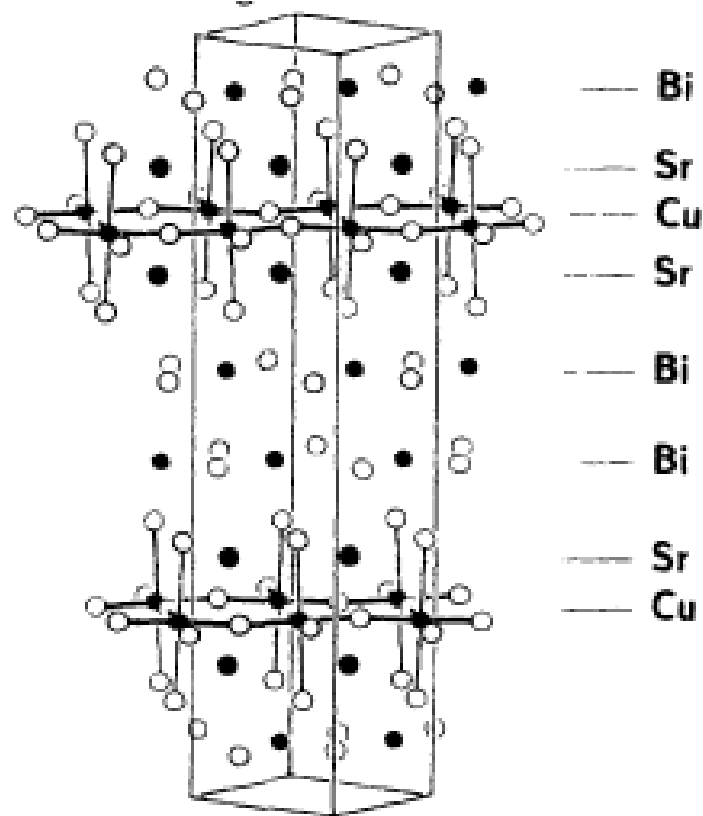
$\text{Bi}_2\text{Sr}_2\text{Co}_2\text{O}_9$



Publication: TBA



Orthorhombic
Amaa (No. 66)
5.362(3)
5.374(1)
24.622(6)



Publications: 13, 14, 15, 16, 17, 18, 20

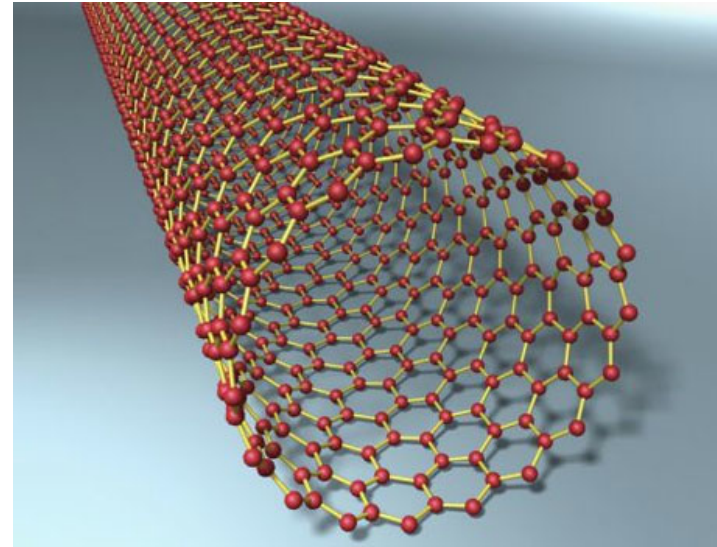
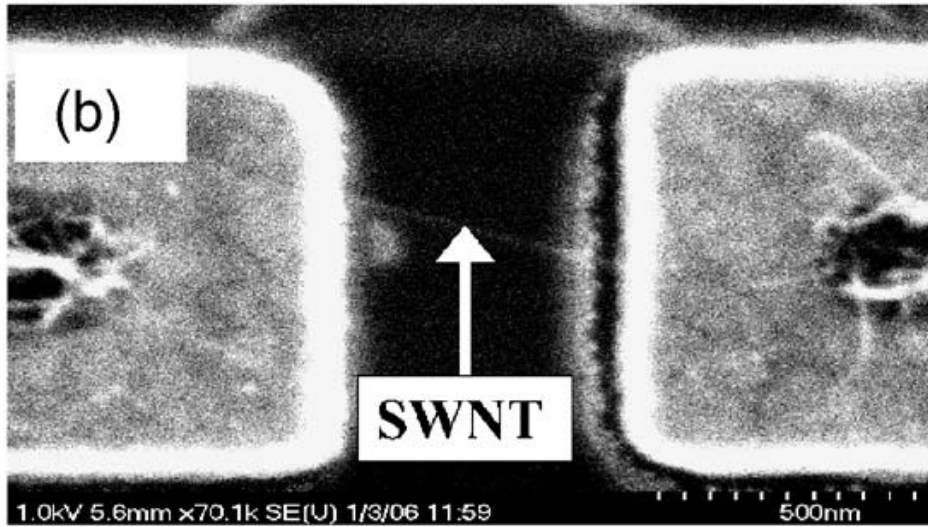


Publications: 16, 17, 18, 19, 20, 21, 23

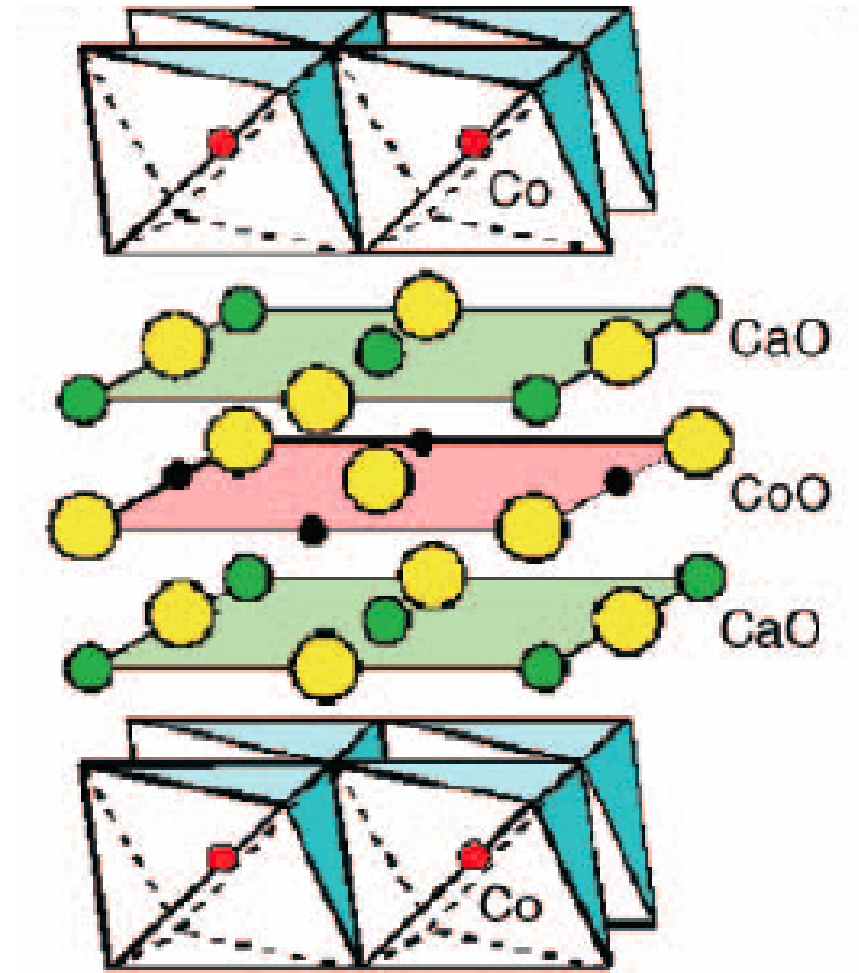
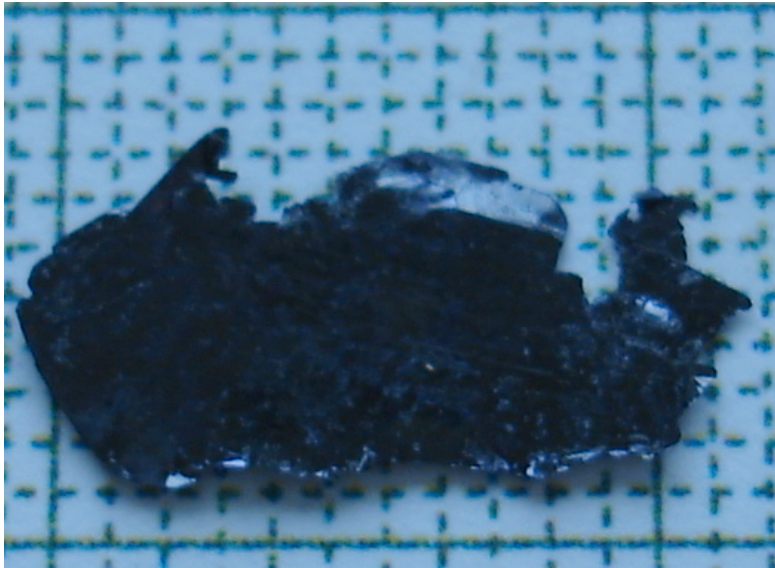


Publications: 10

C Nanotubes

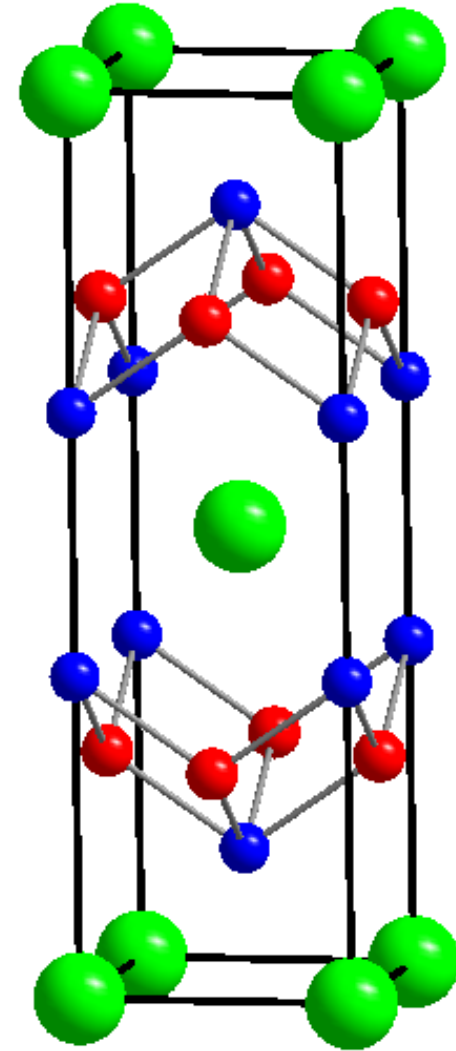
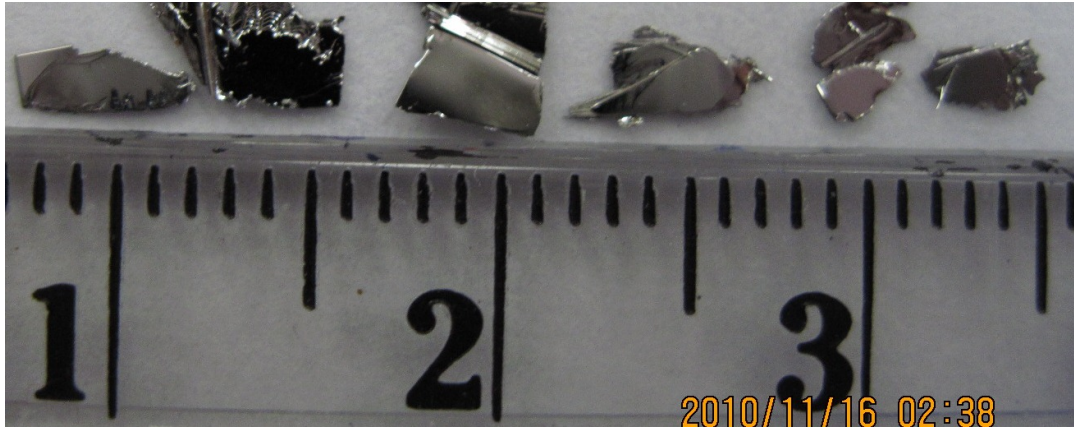


Publications: 83, 86, 88, 122



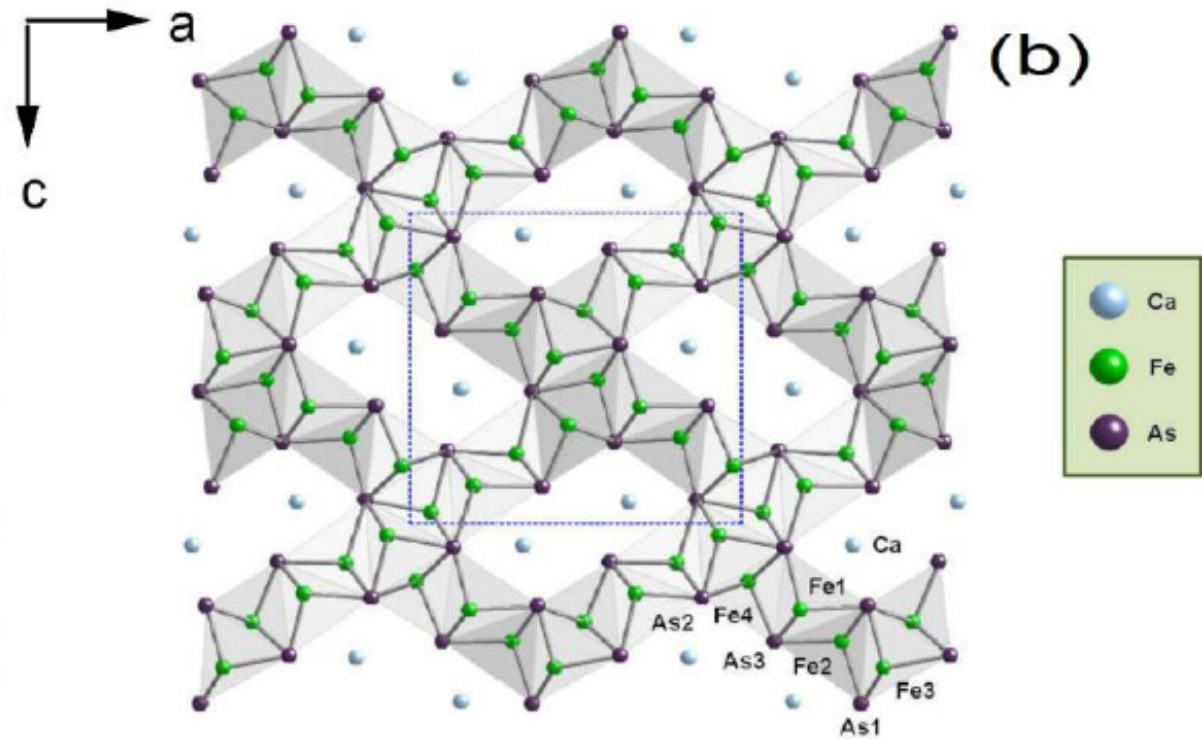
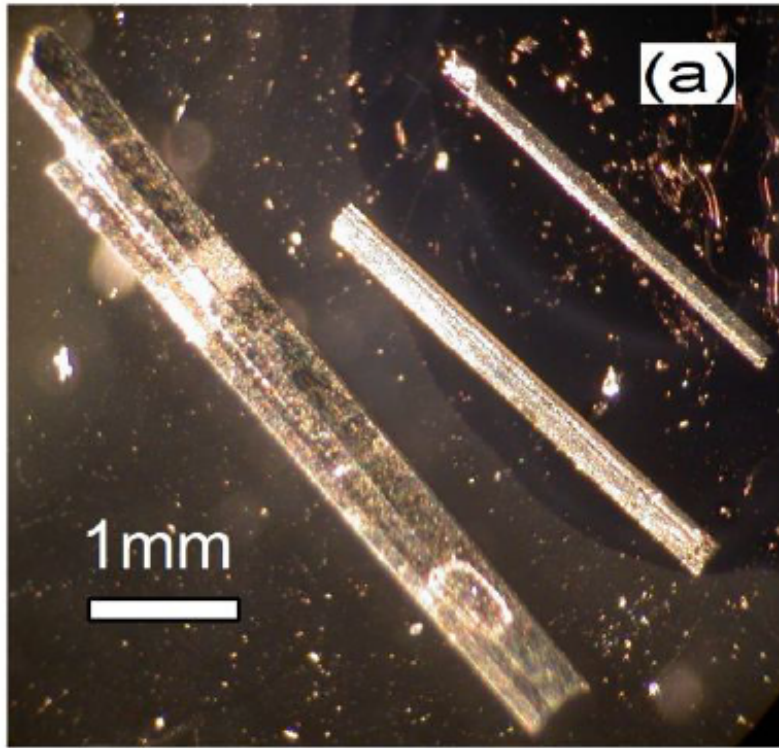
Publication: TBA

CaFe₂As₂

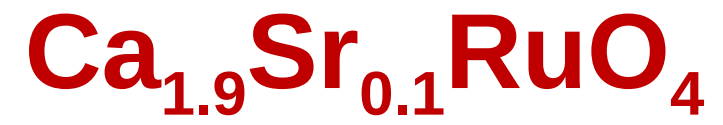


Publication: TBA

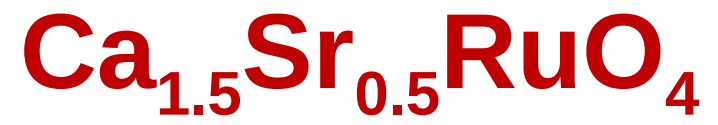
CaFe₄As₃



Publications: 156, 160



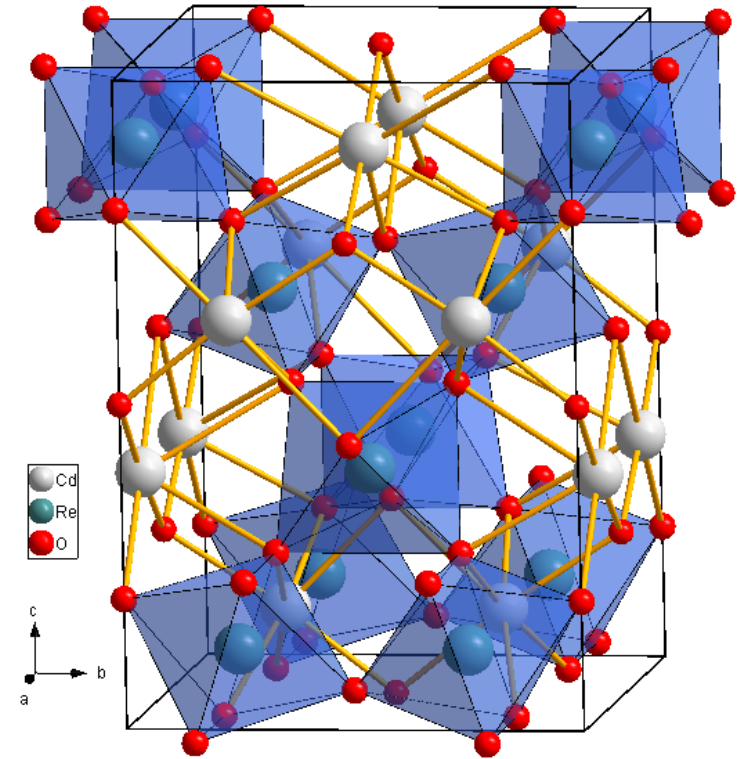
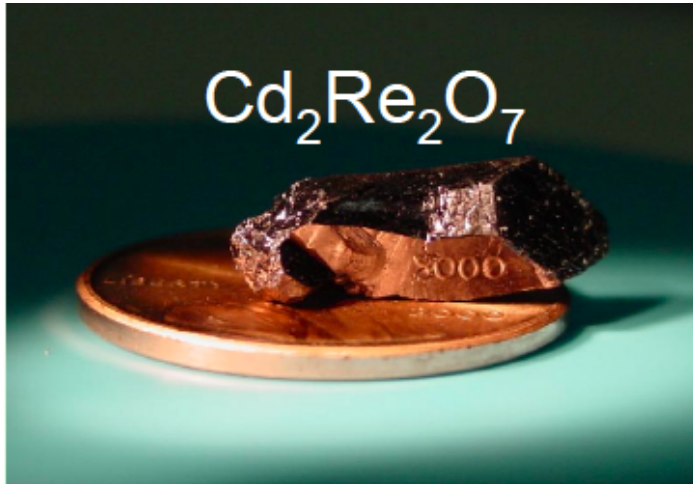
Publications: 61



Publications: 68



Publications: 78

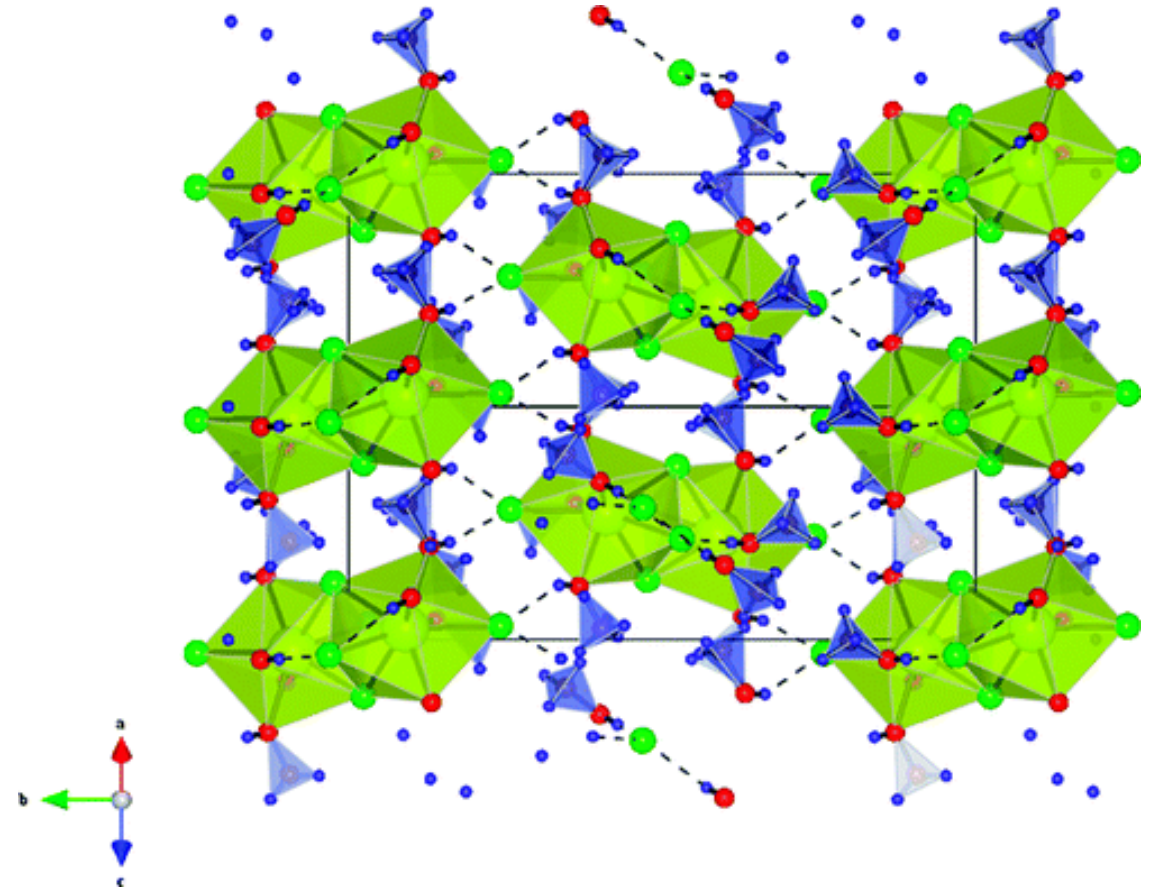


cubic

Publications:

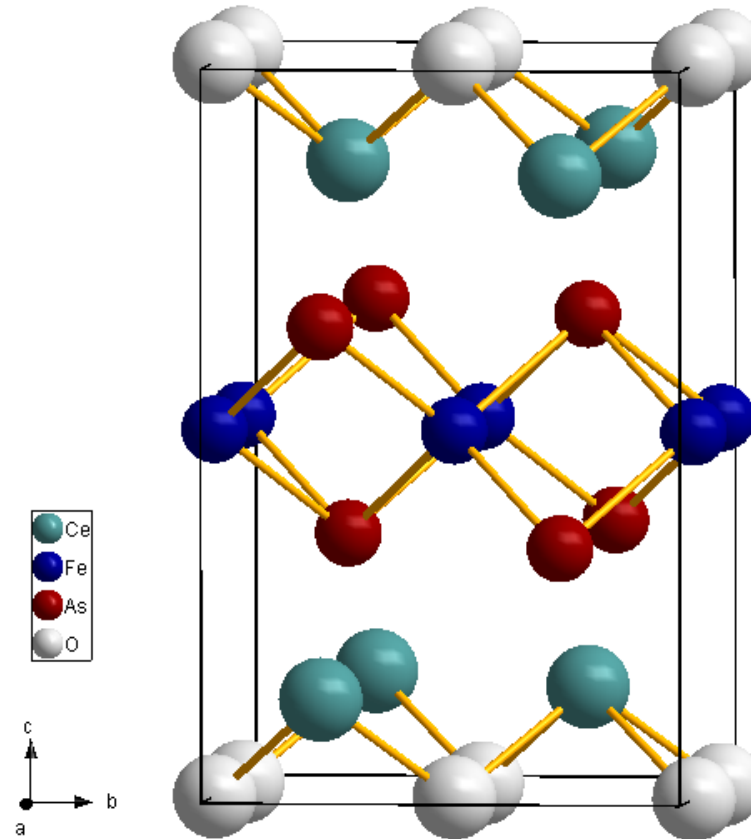
34, 37, 39, 40, 41, 42, 44, 45, 47, 50, 52, 55, 61, 64

69, 72, 78, 81, 91



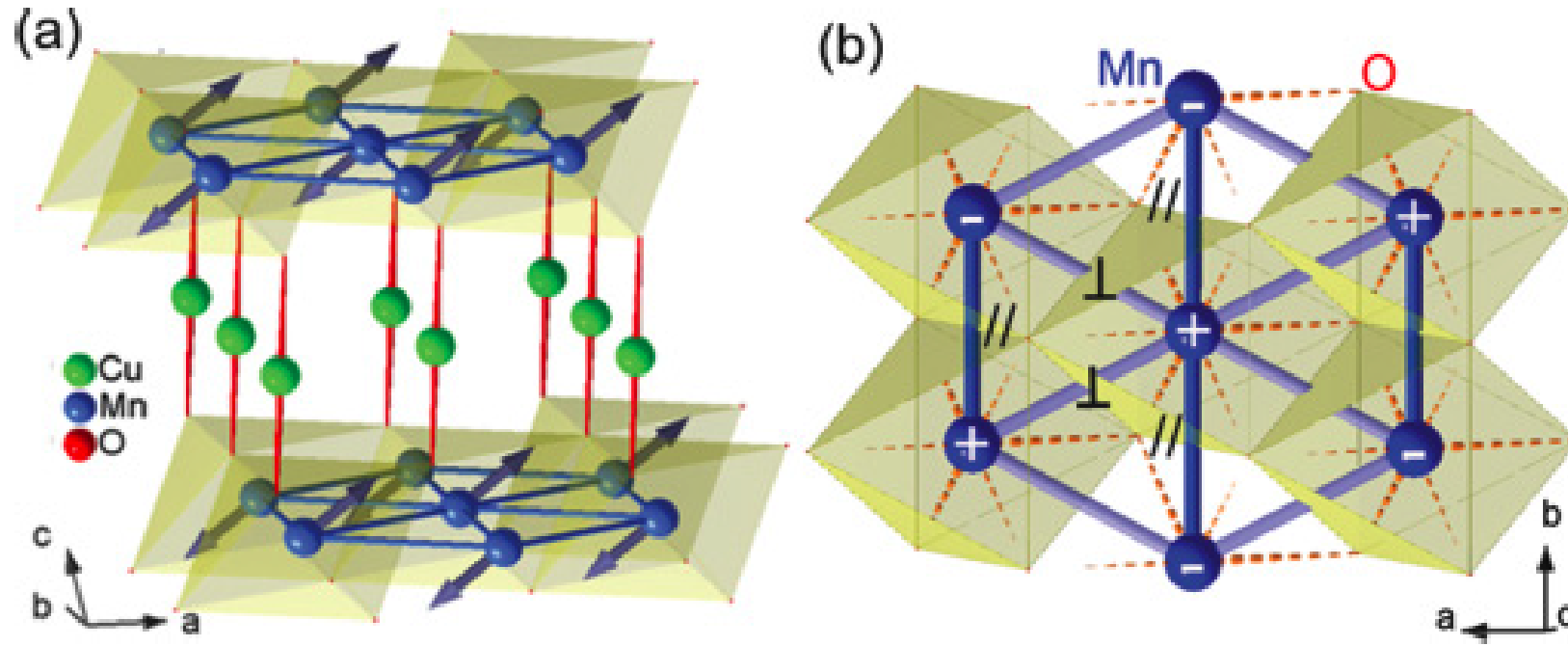
Publication: 103

CeFeAsO



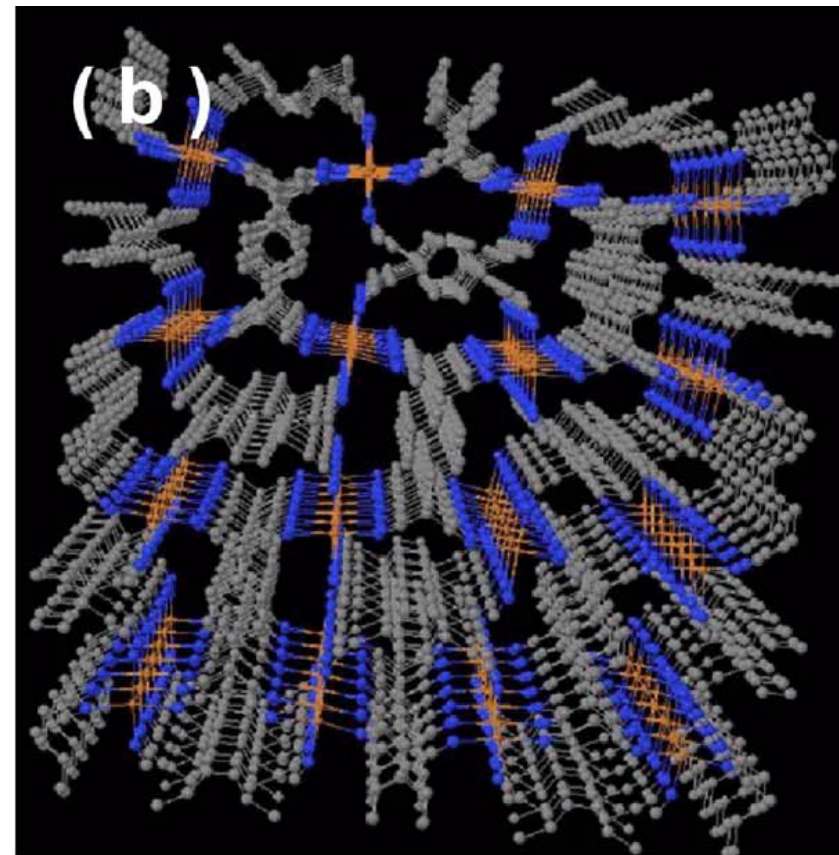
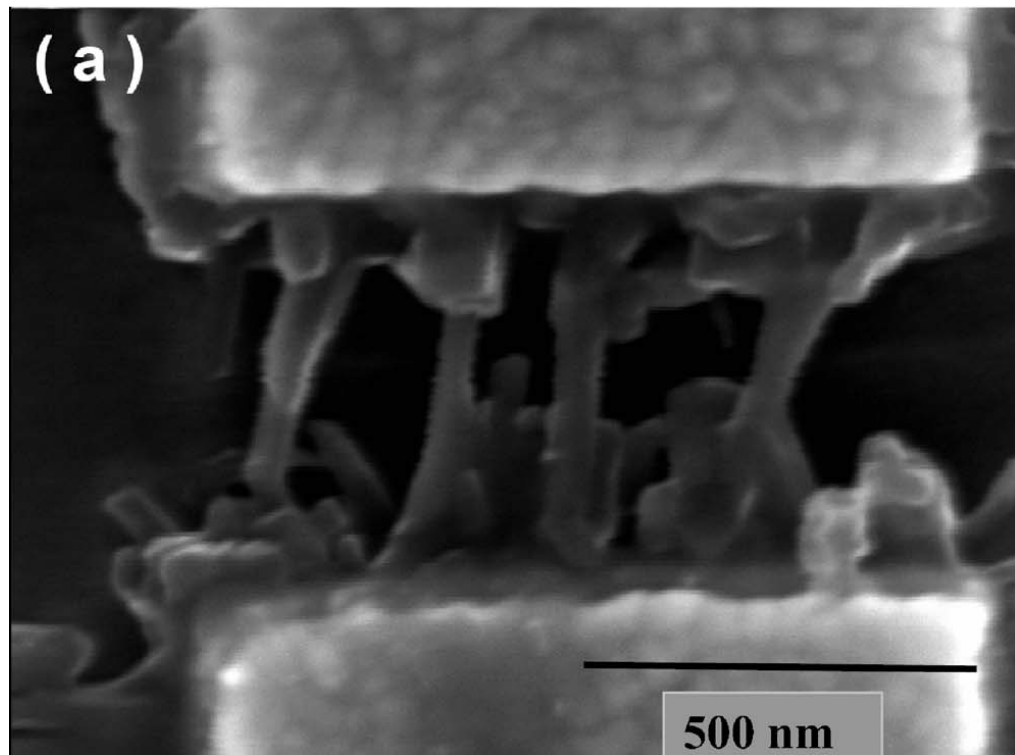
Publications: 108, 114, 121, 152

CuMnO₂



Publication: 154

Cu-Tetracyanoquinodimethane



Publication: 90

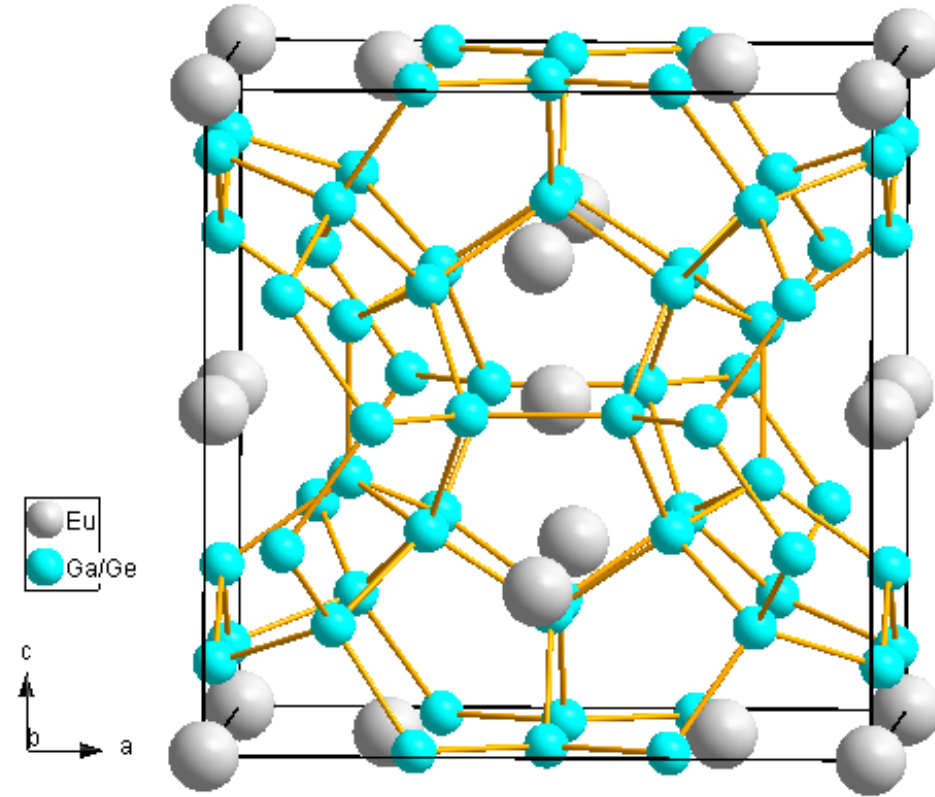
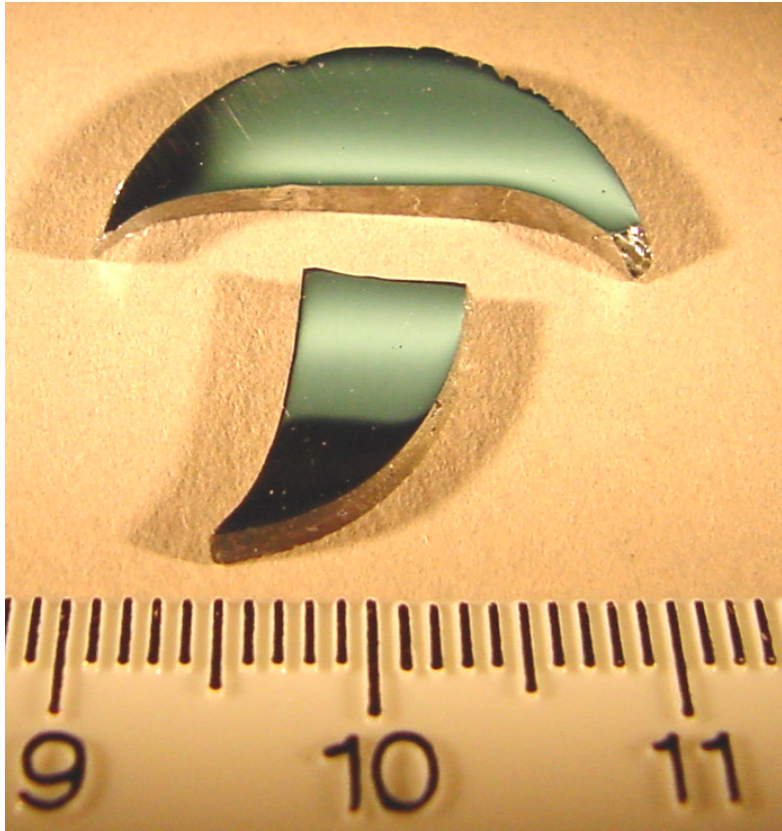
Cu-Zr

Publication: 9

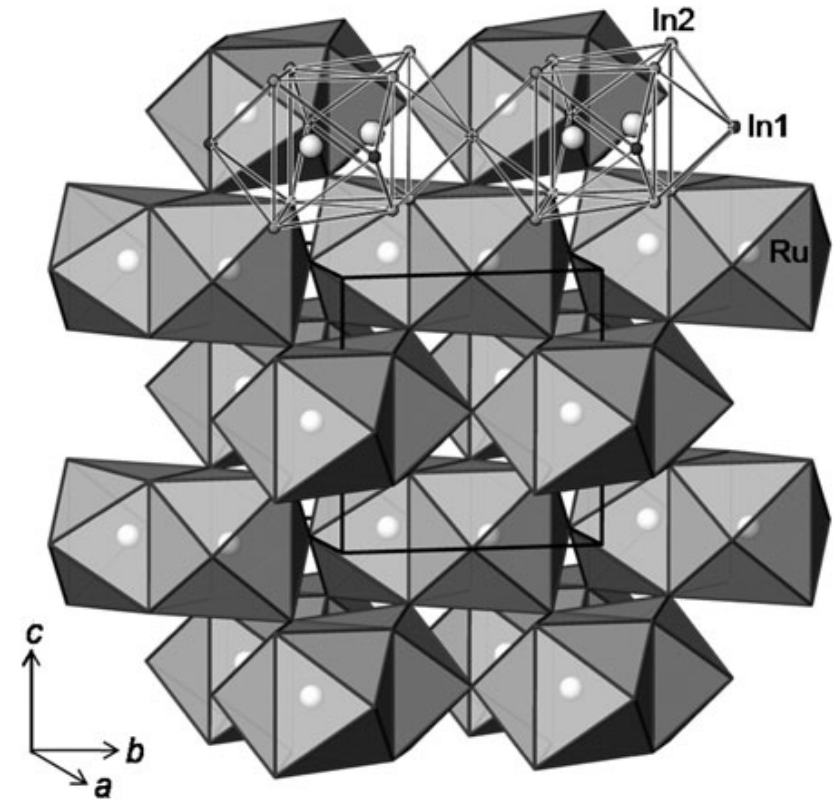
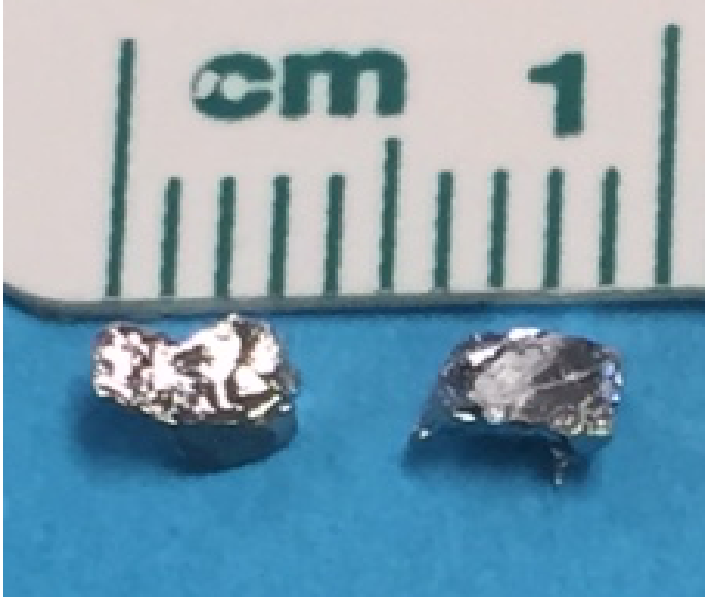
CuZr

Publication: 5

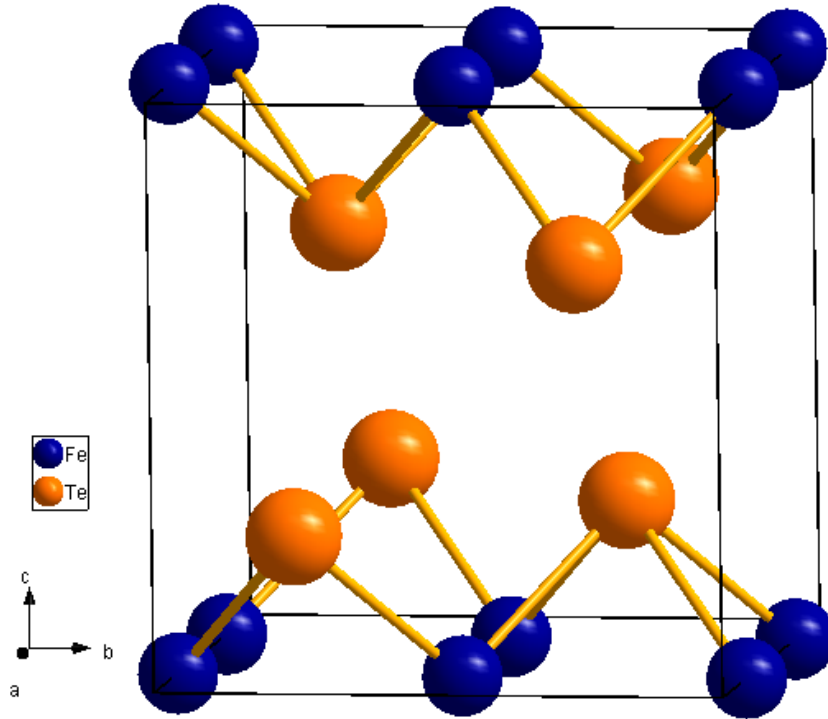
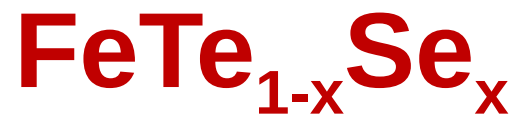




Publications: 31, 36, 39, 80

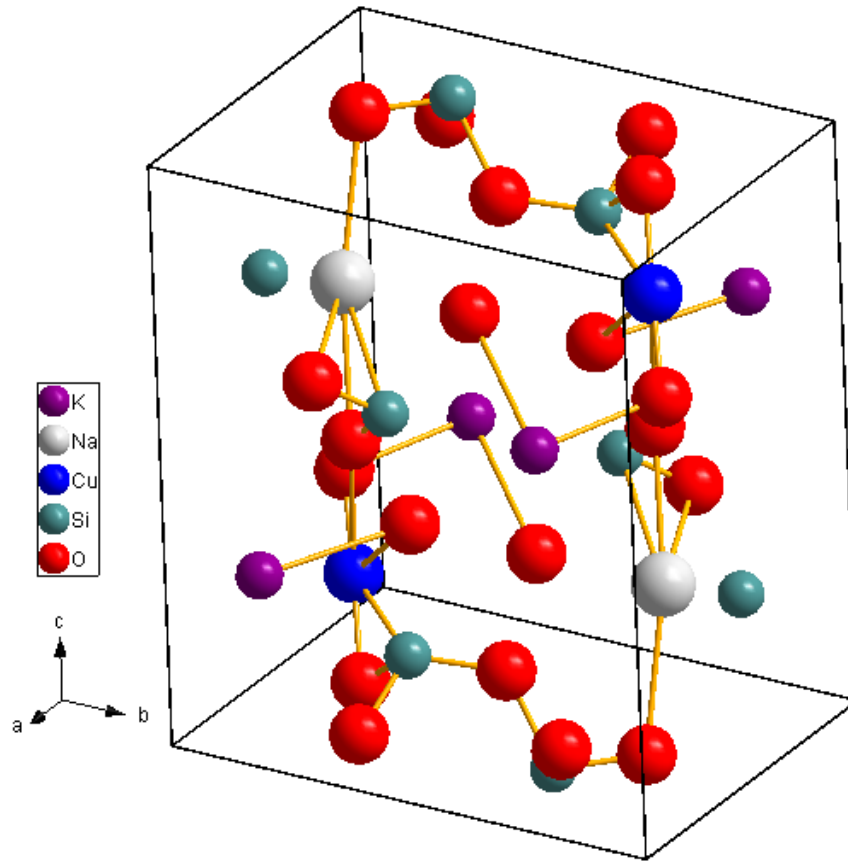


Publications: 153

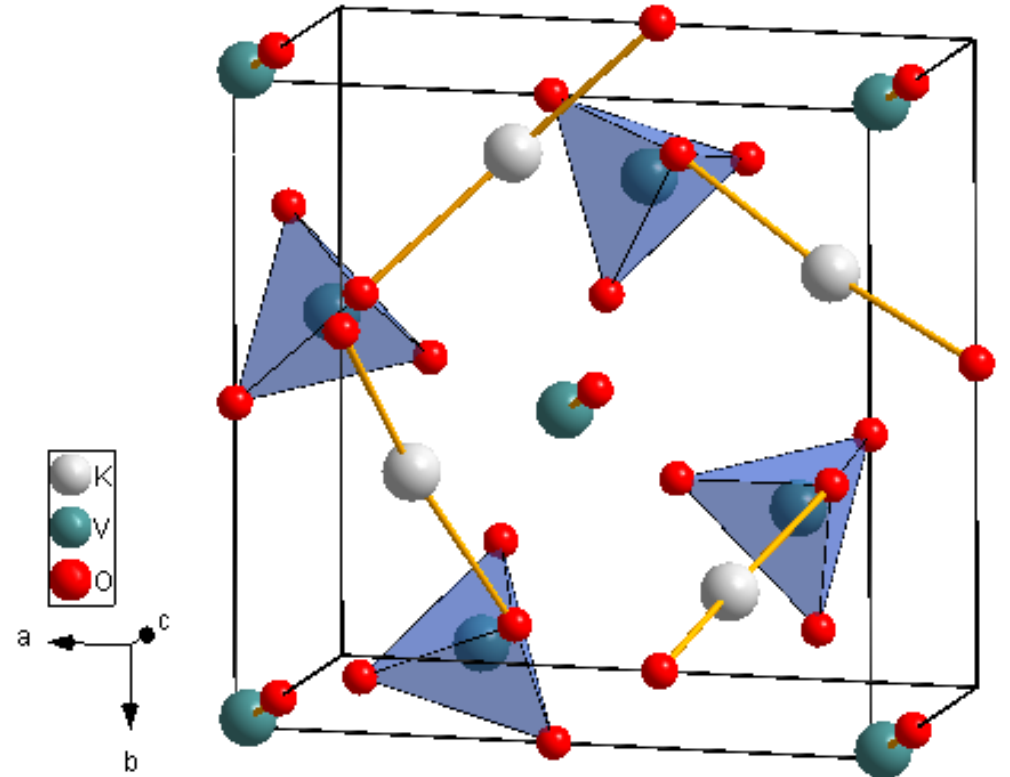
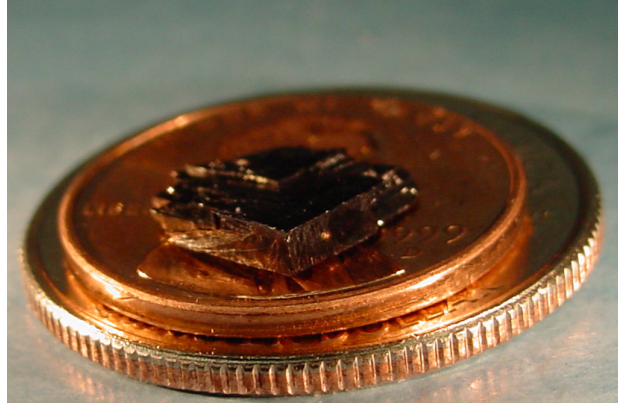


Publications: 124, 144, 150, 155

$\text{KNaMSi}_4\text{O}_{10}$ (M = Cu, Fe, Mn)

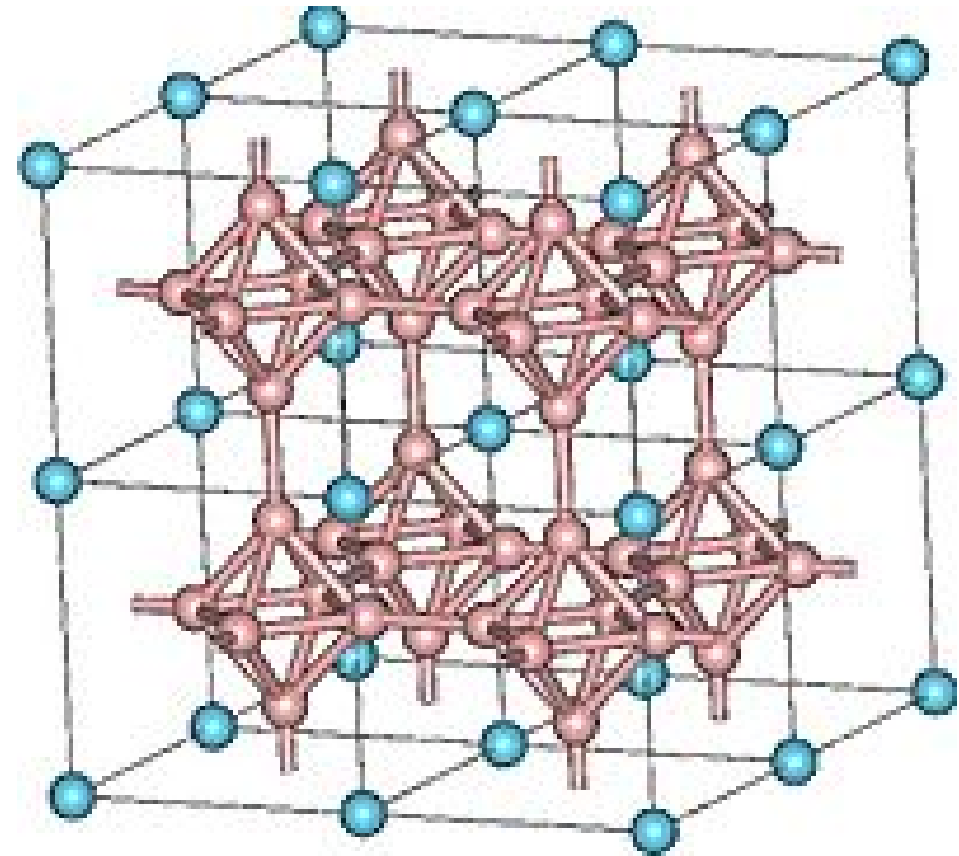
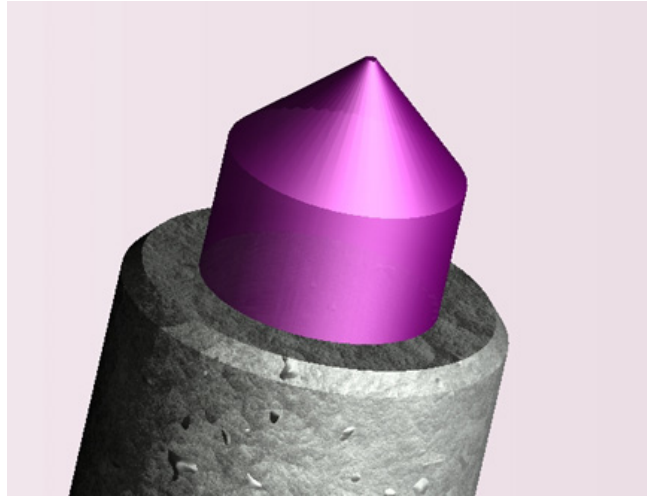


Publication: 117



Publications: 38, 41, 62, 74, 77

LaB₆



Publication: 33, 36

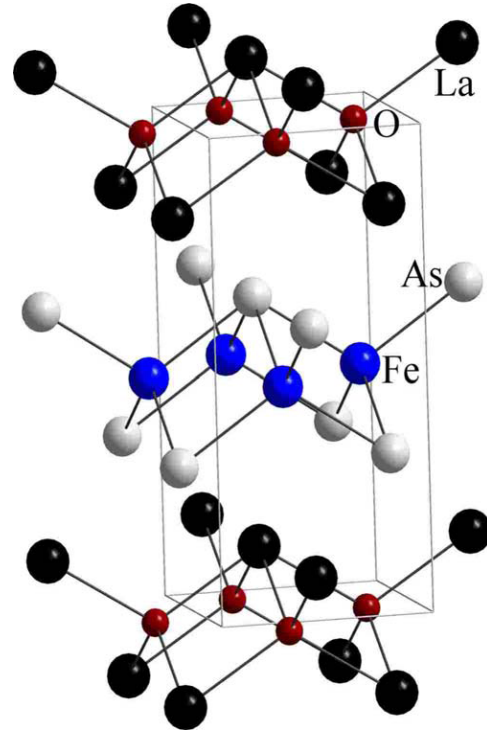


Publication: TBA

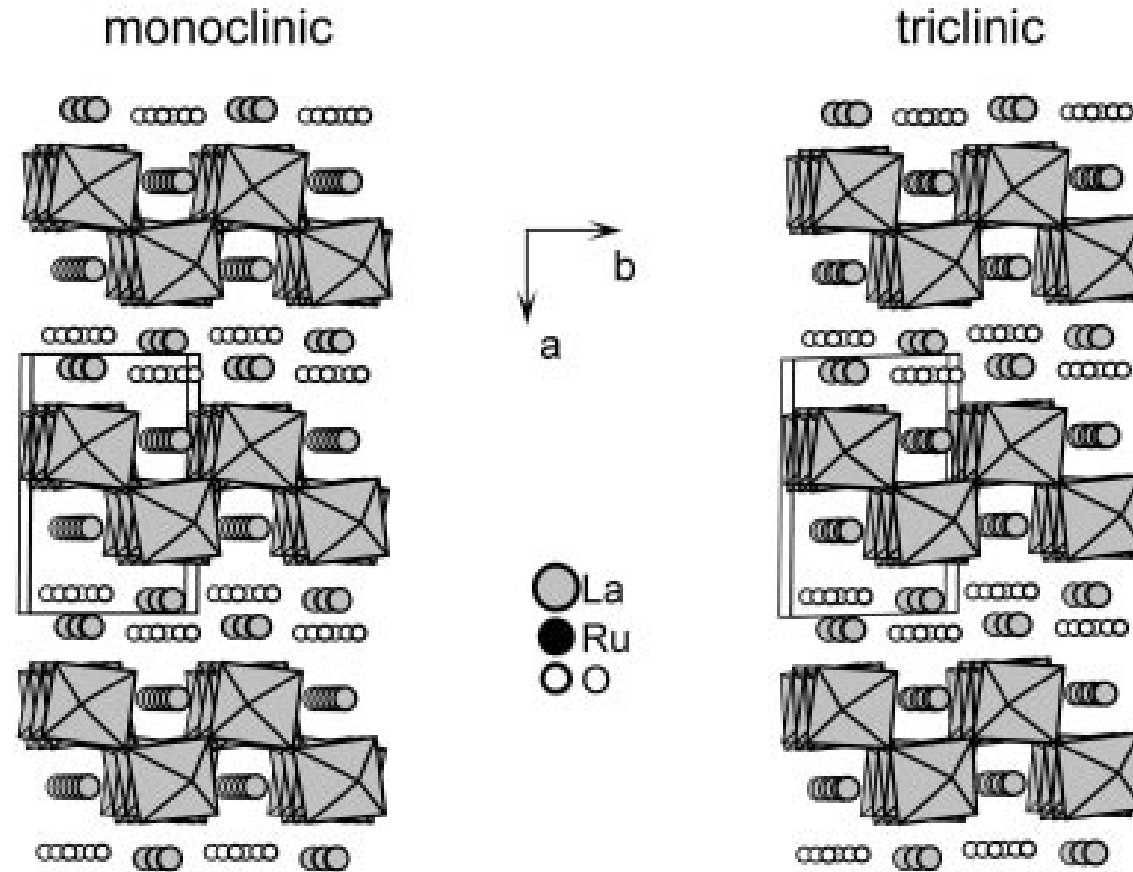


Publication: 1, 4

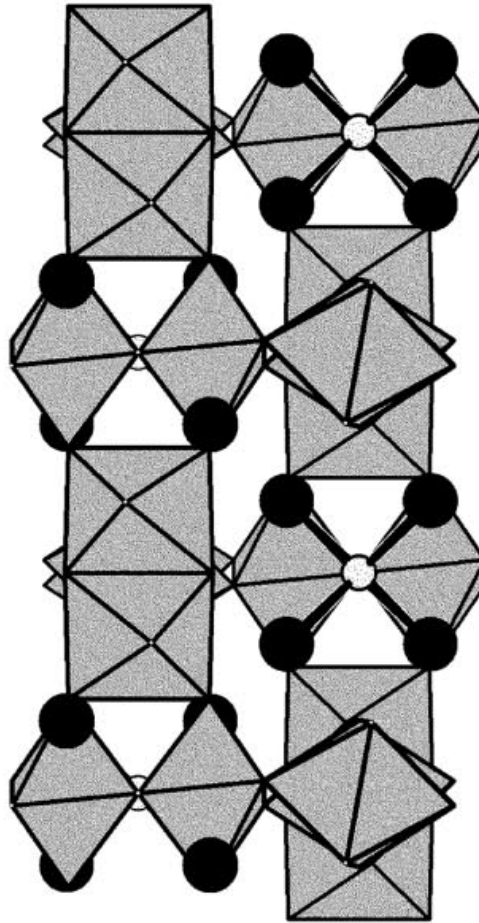
LaFeAsO



**Publications: 100, 101, 102, 104, 105, 107, 108,
109, 111**



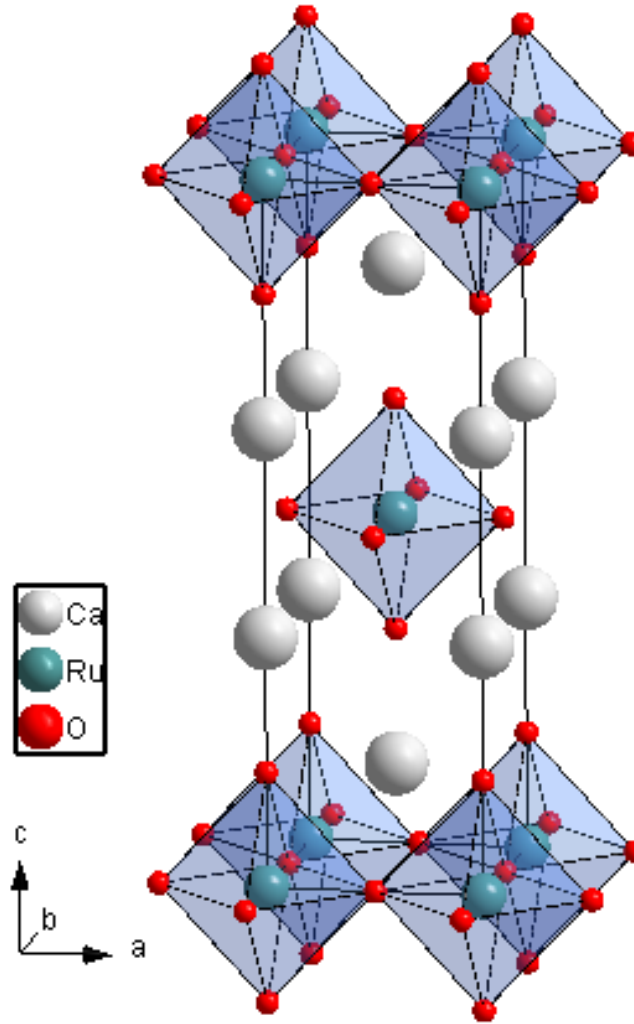
Publication: 40, 43



Publication: 30, 33



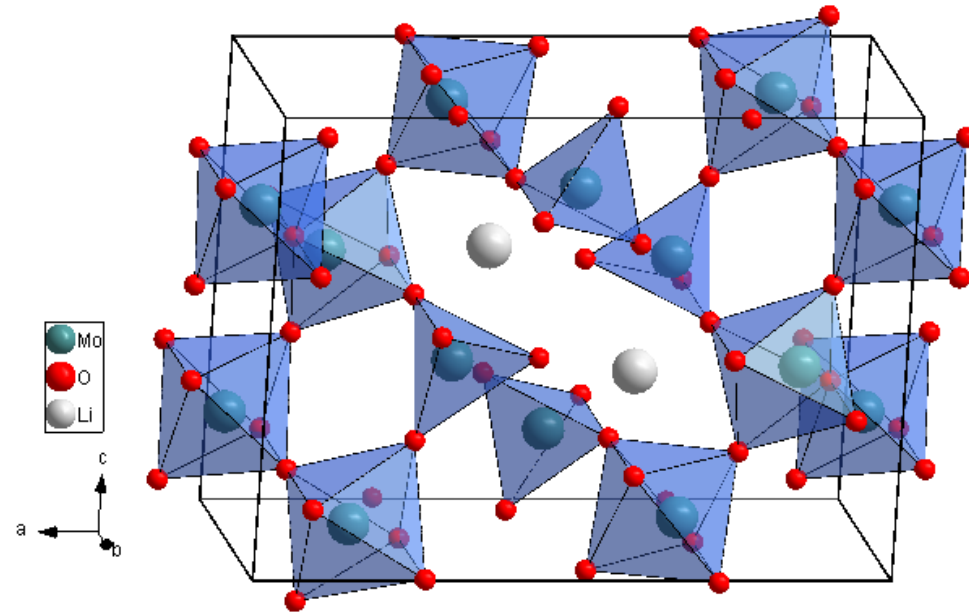
Publications: 1, 9, 12



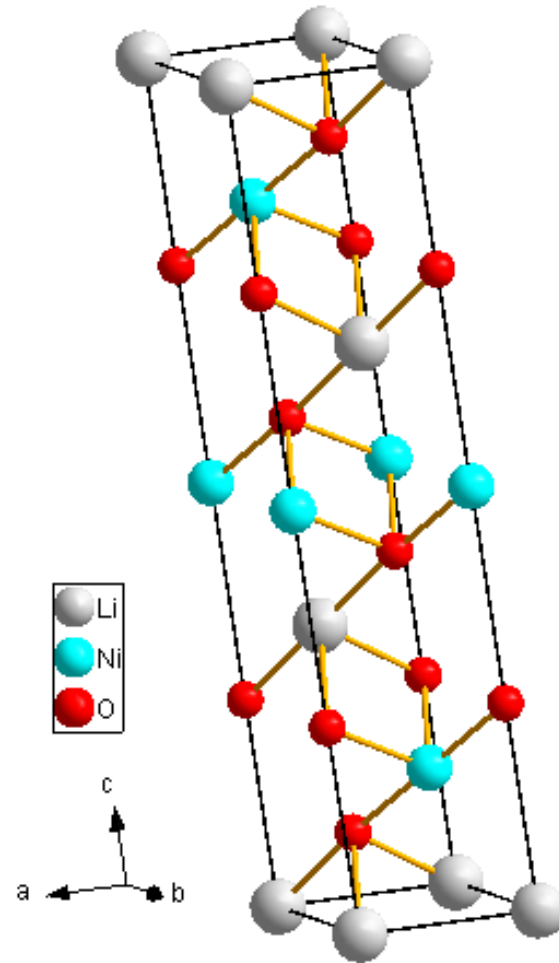
Publications: 1, 9



Publication: TBA

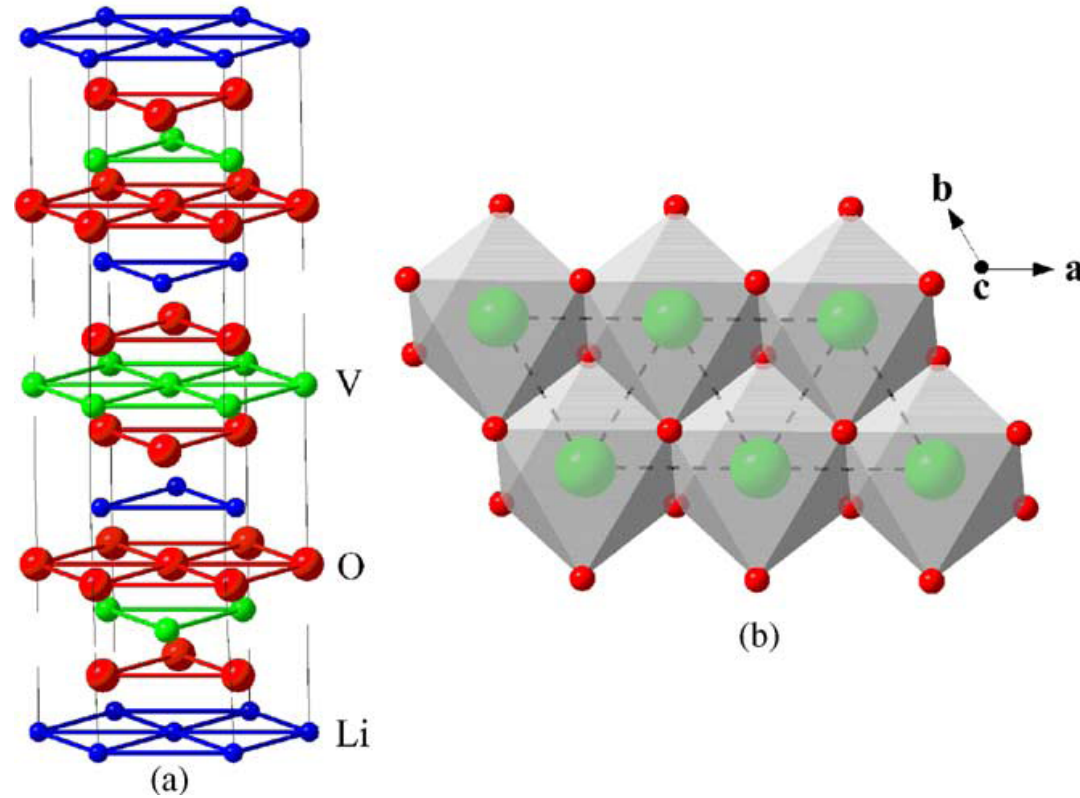


Publications: 53, 56, 57, 60, 63, 66, 69, 71, 74, 79, 84, 99, 131

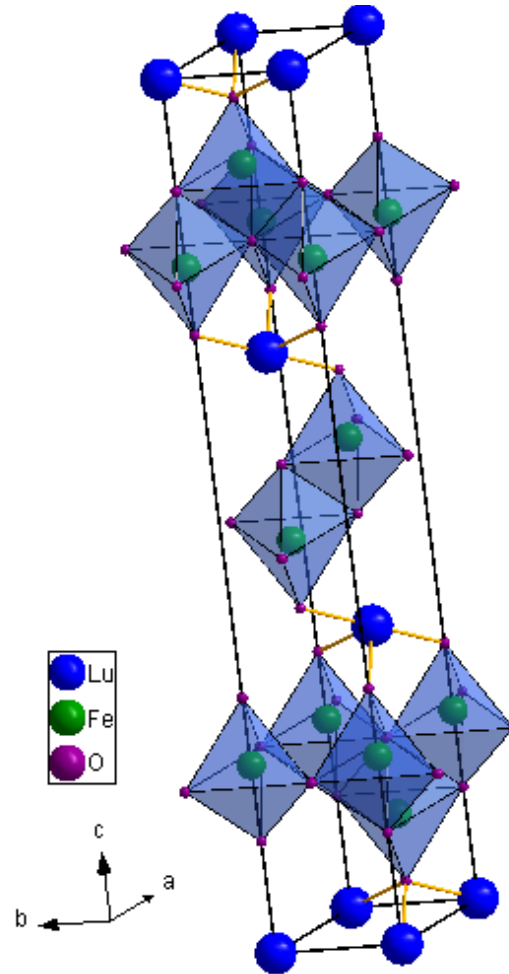


Publication: 67, 70

LiVO₂

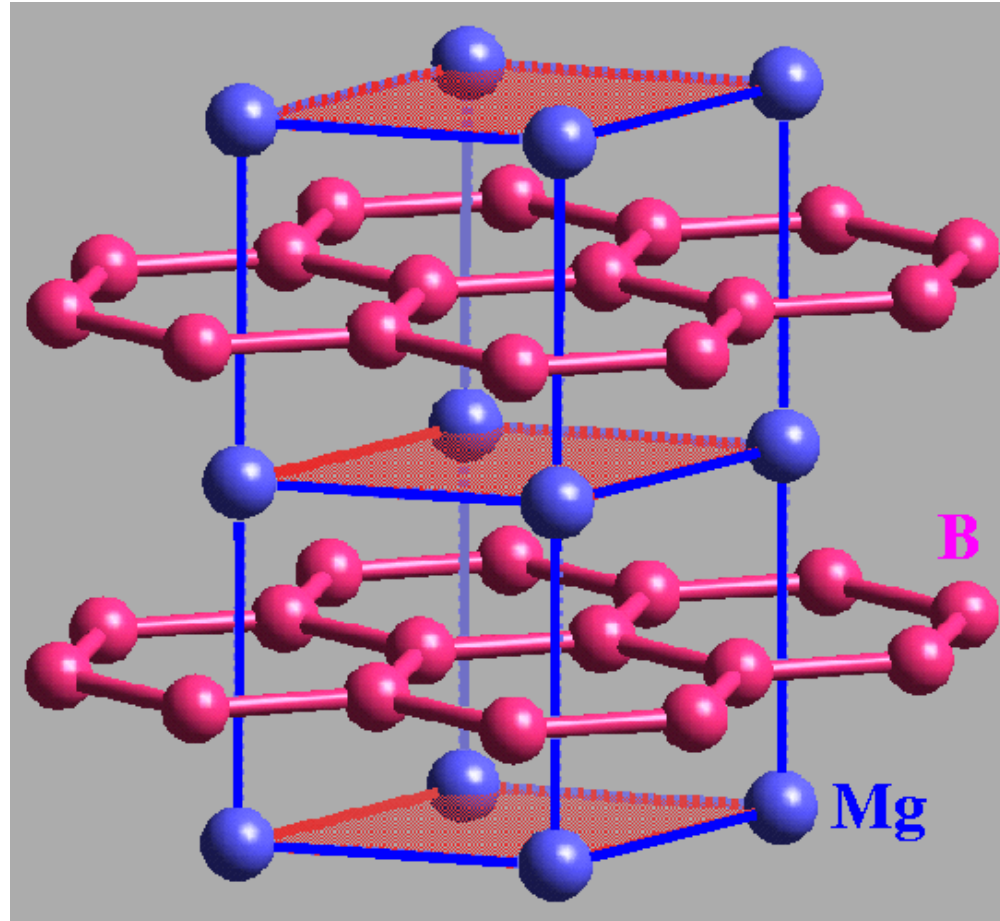


Publications: 56, 59, 87



Publications: 98, 113

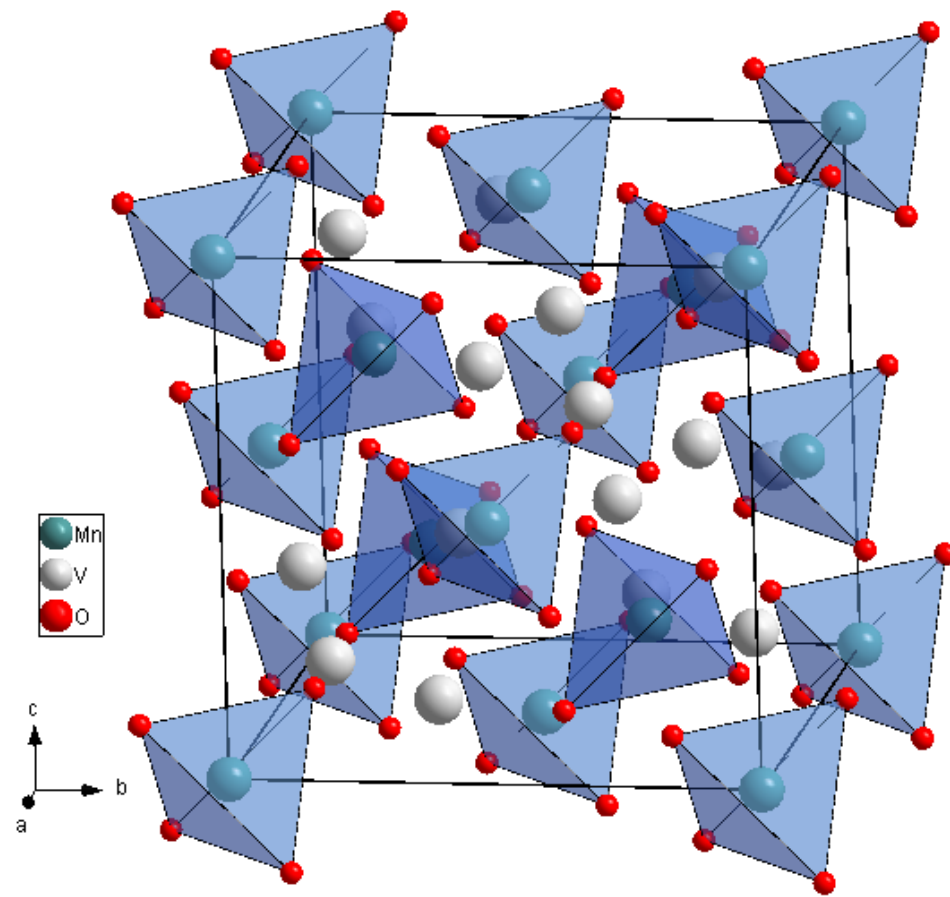
MgB₂



Publications: 35, 38, 44, 47



Publication: 54



Publication: 96



Publications: 57



Publications: 67



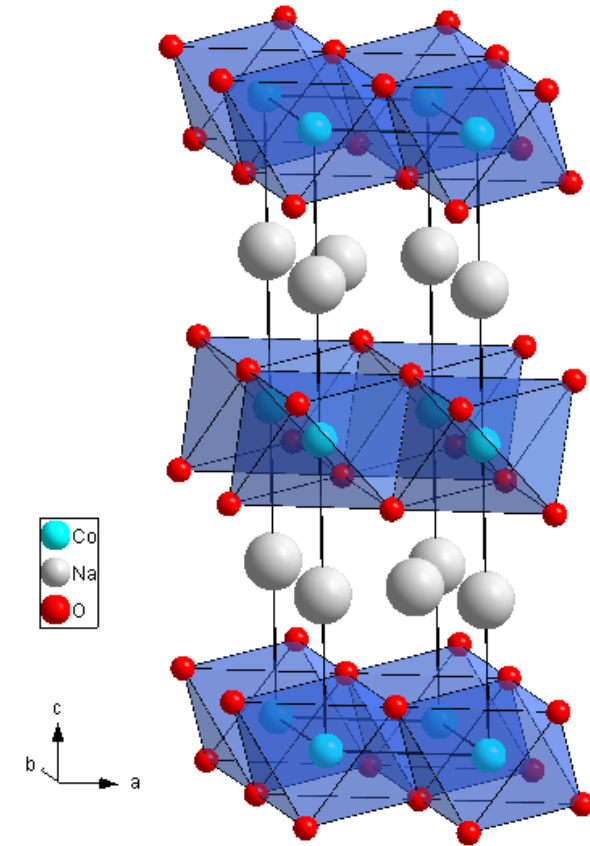
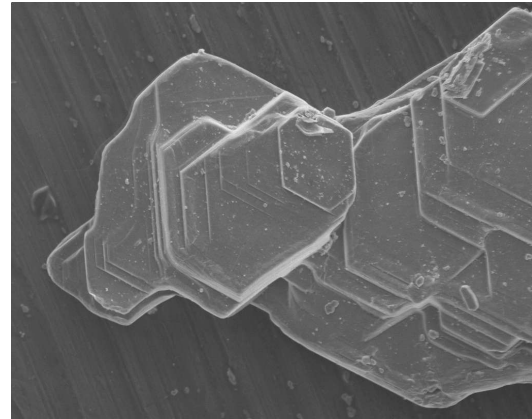
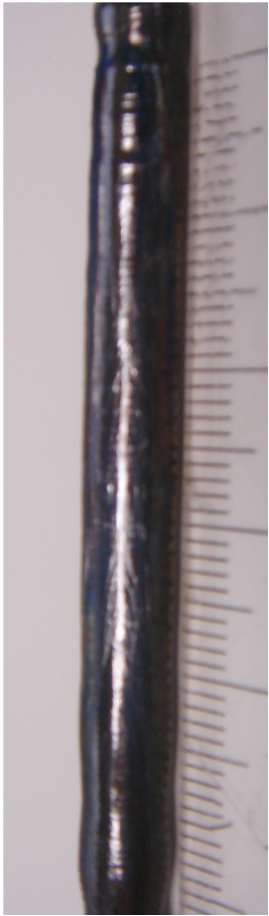
Publications: 66



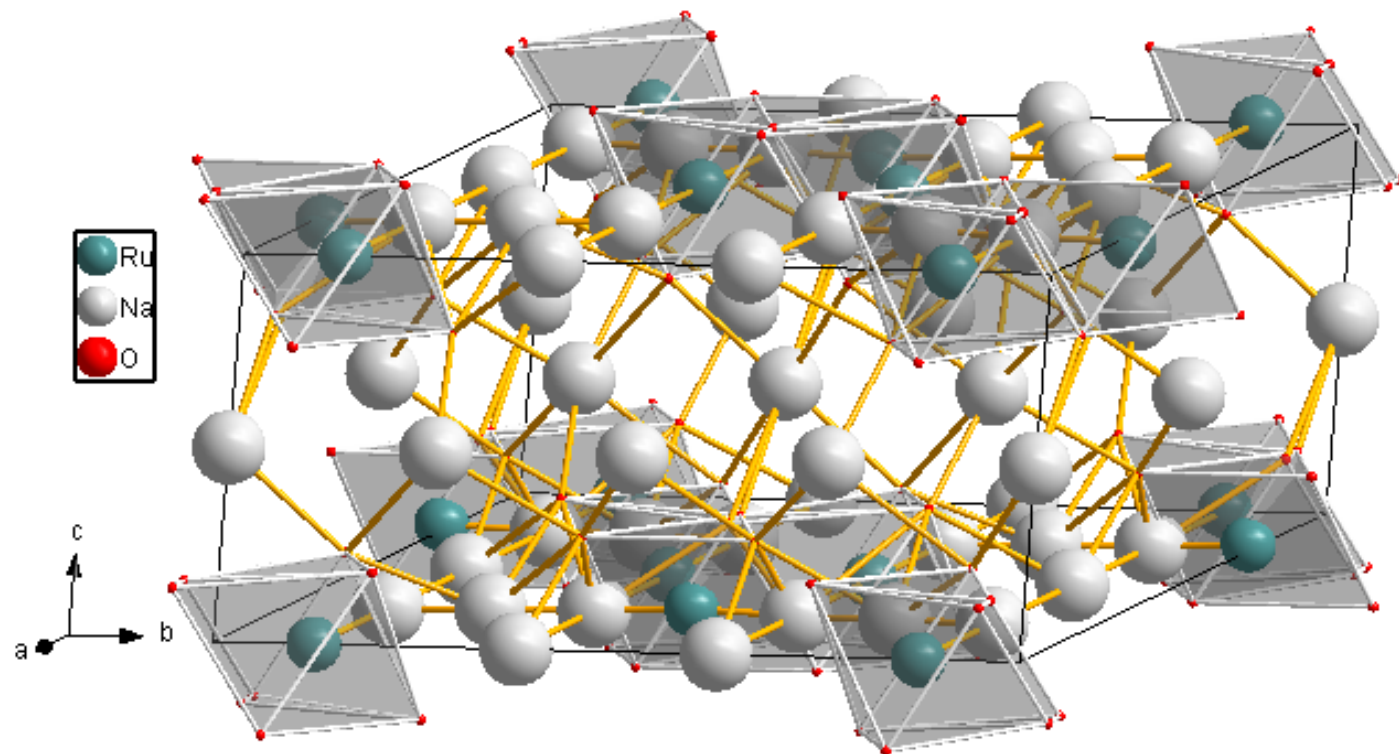
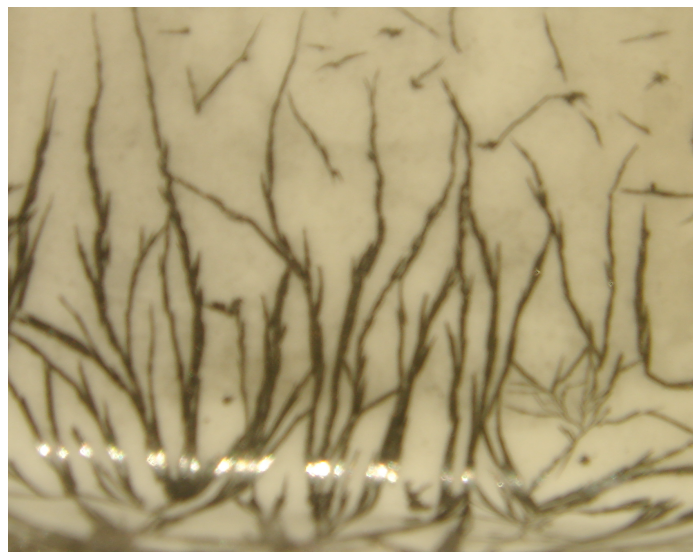
Publications: 62, 73, 76



Publications: 53, 71

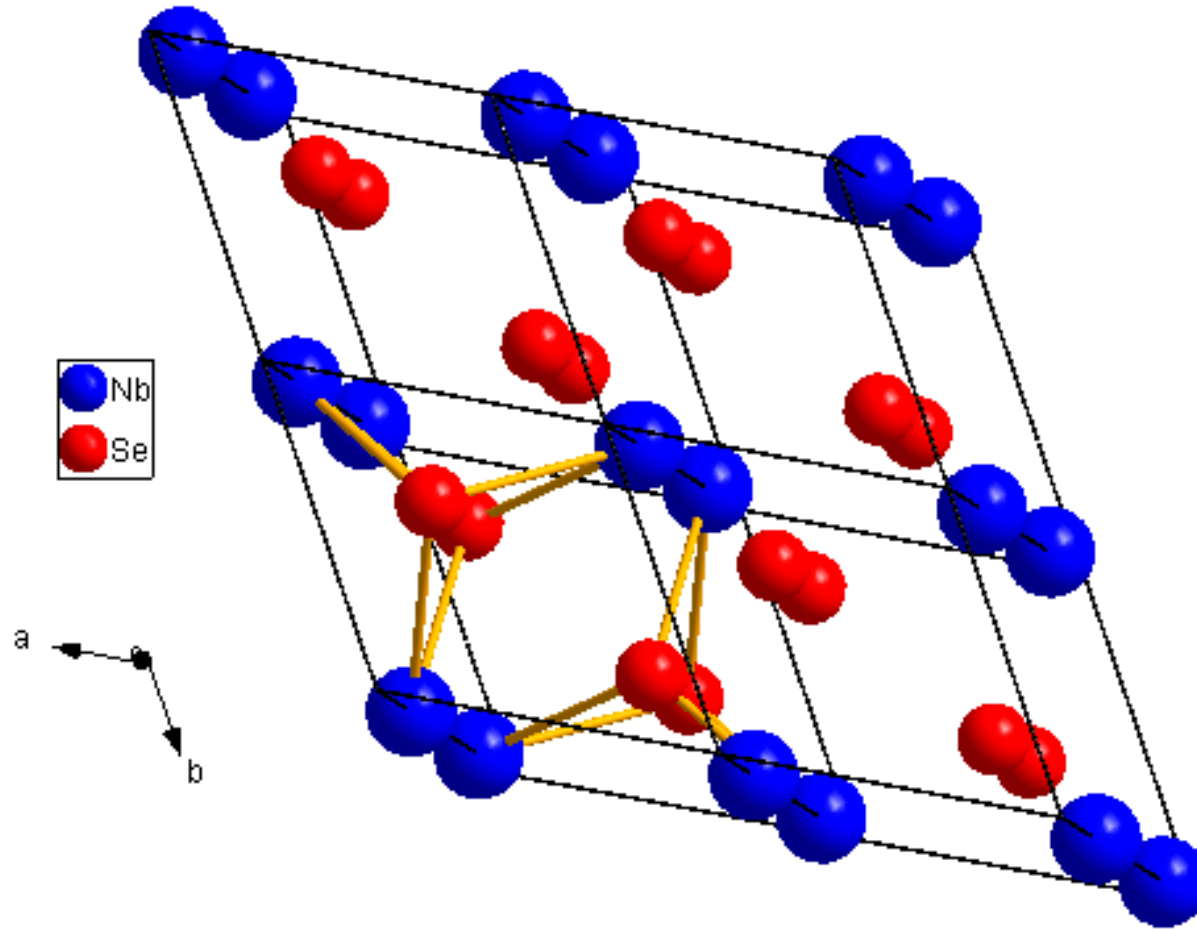


Publications: 50, **53**, 54, 59, 63, 64, 68, 70, **71**,
73, 82, 85, 115

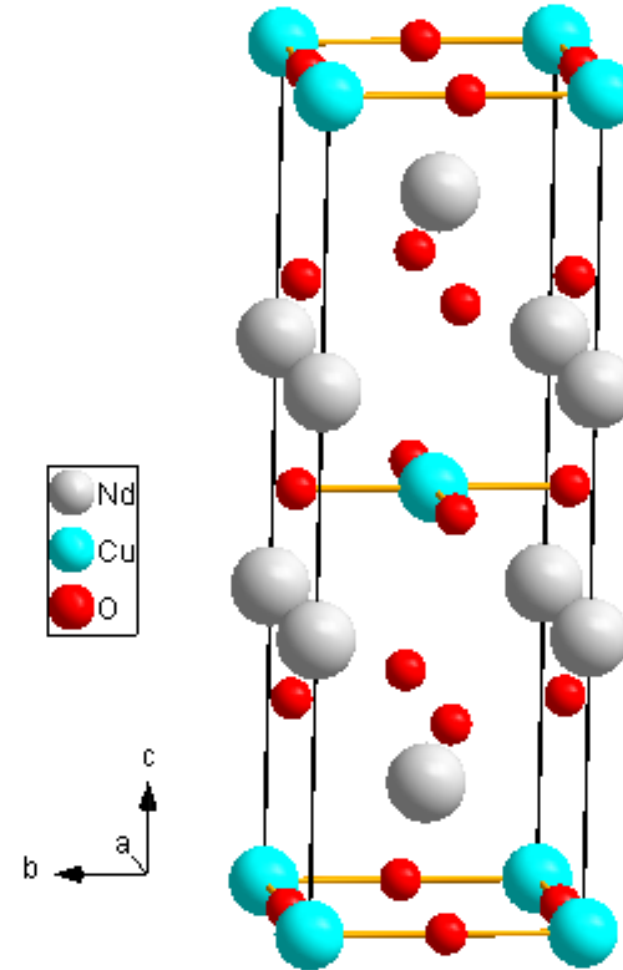
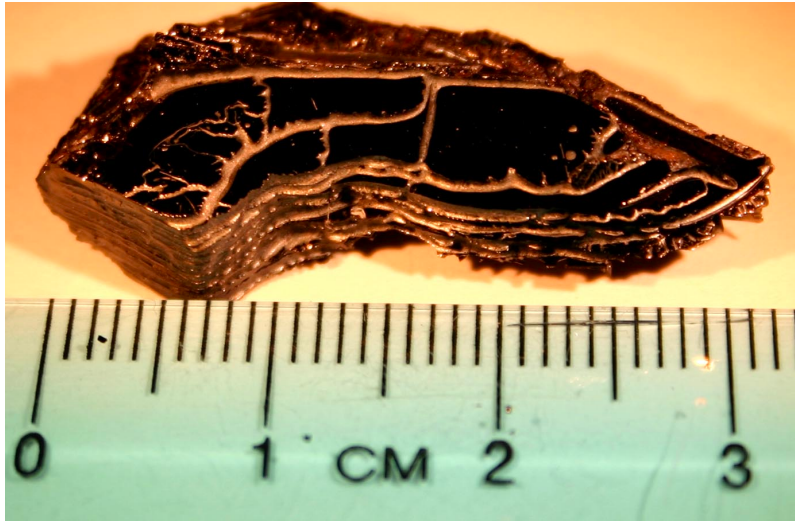


Publication: 143

NbSe₂



Publication: 92

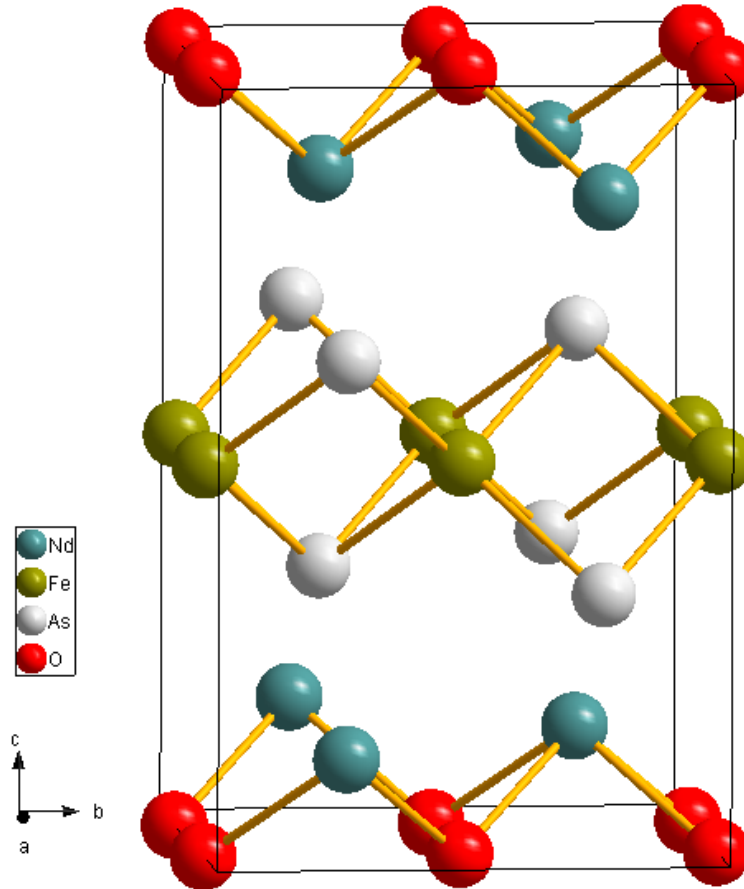


Publication: 43, 46, 49



Publication: 52

NdFeAsO



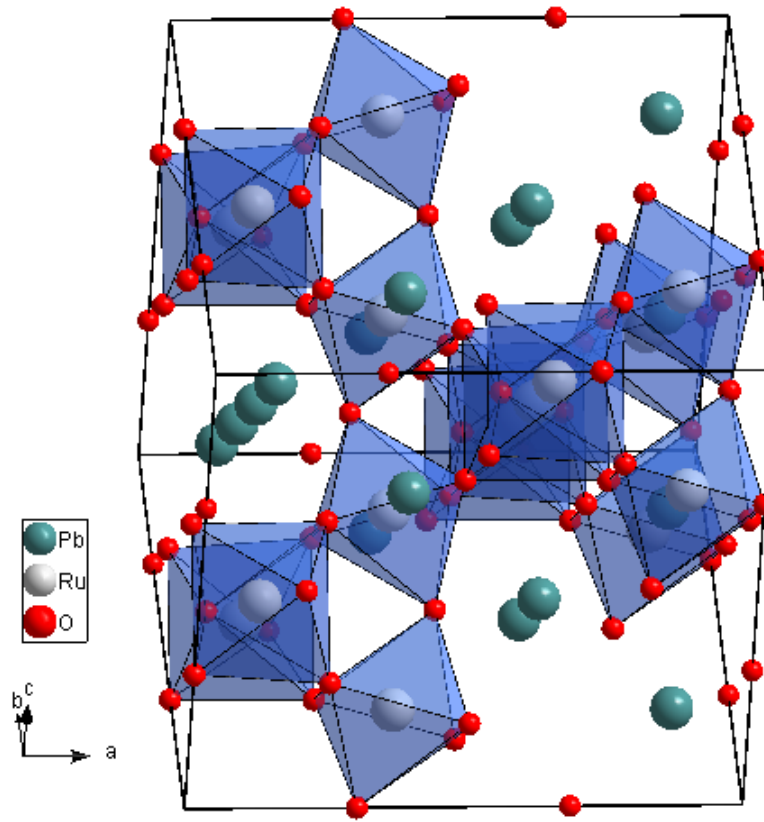
Publications: 132, 147

Pb-Bi-Sr-Ca-Cu-O

Publication: 7

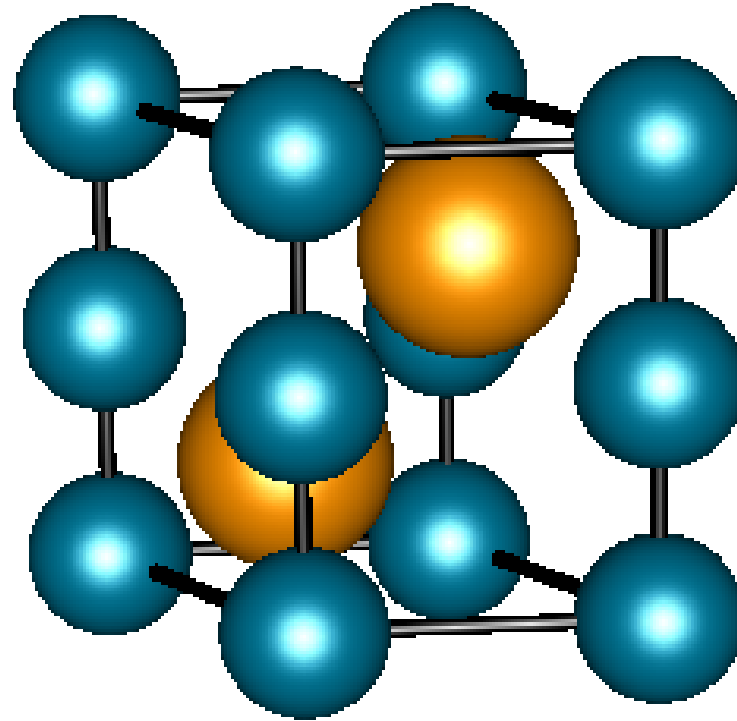
Pb/Sr₂RuO₄/Pb

Publication: 26



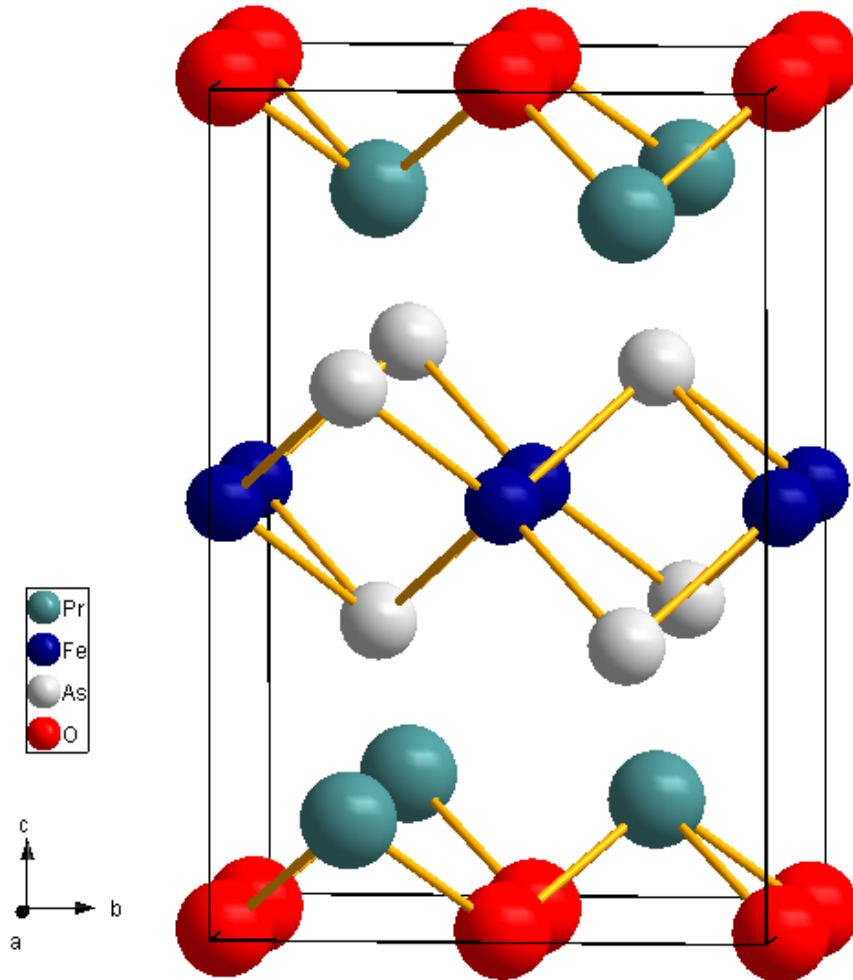
Publication: 55, 58

PdTe



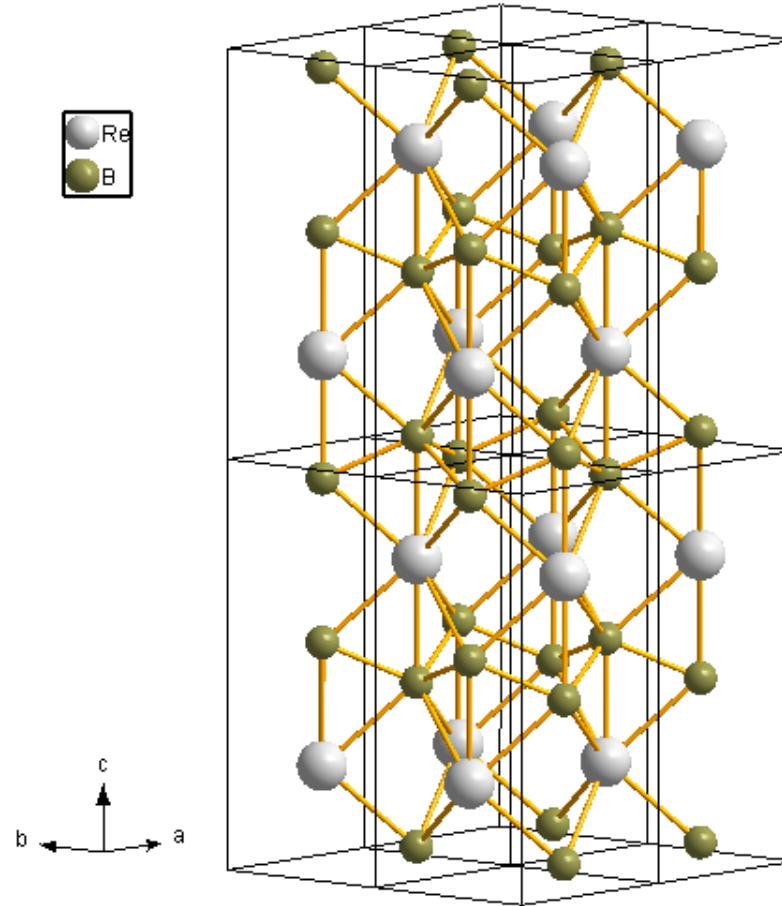
Publication: 162

PrFeAsO

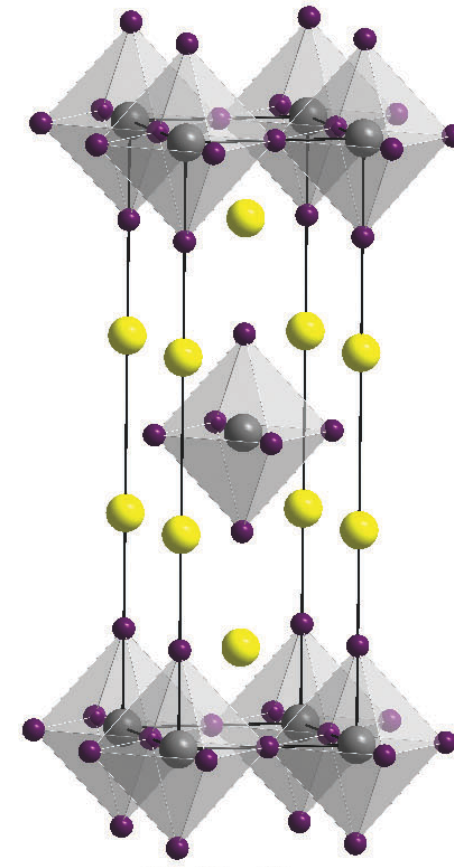
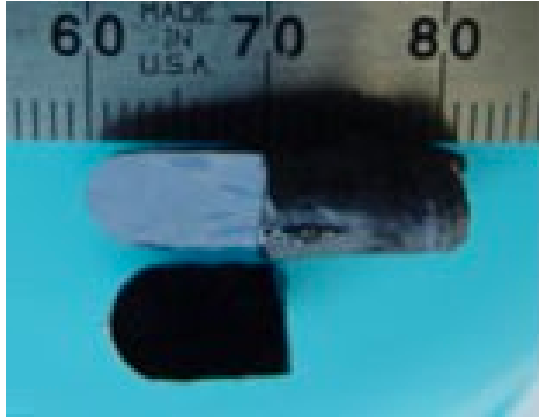


Publication: 121

ReB₂



Publication: 140



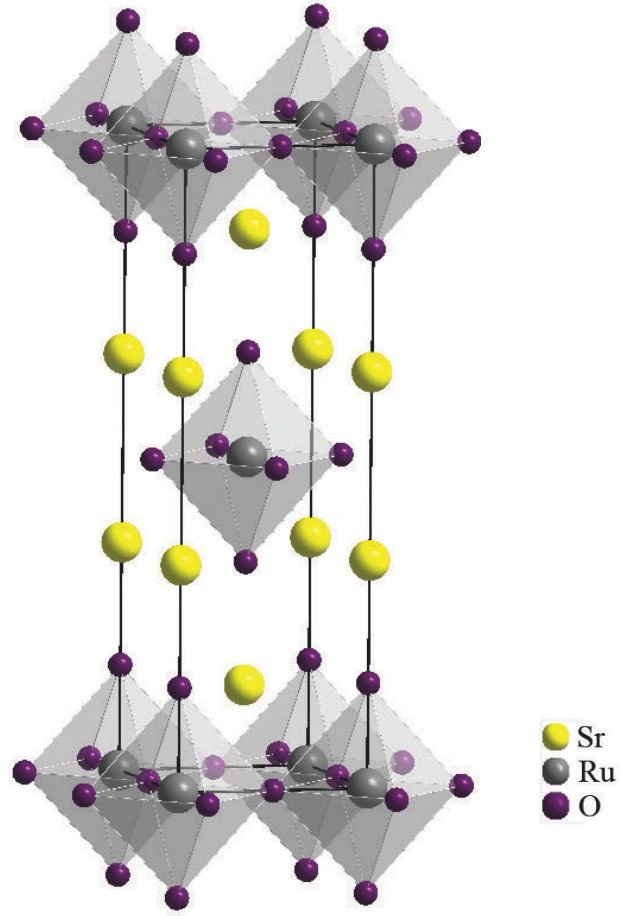
Publications: 22, 23, 25, 26, 32, 48, 58, 65, 75, 89, 93, 95, 128, 135, 139, 159



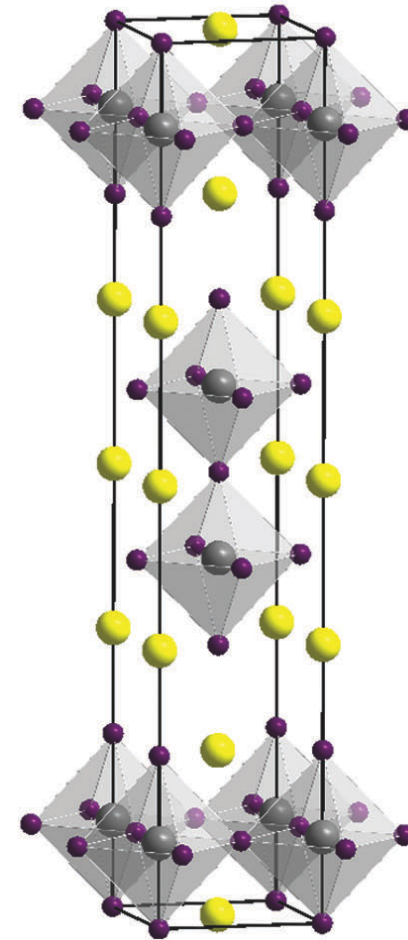
Publications: 39



Publications: 49



Publications: 46, 159



Publications: 29, 77, 145, 149, 151, 158, 159



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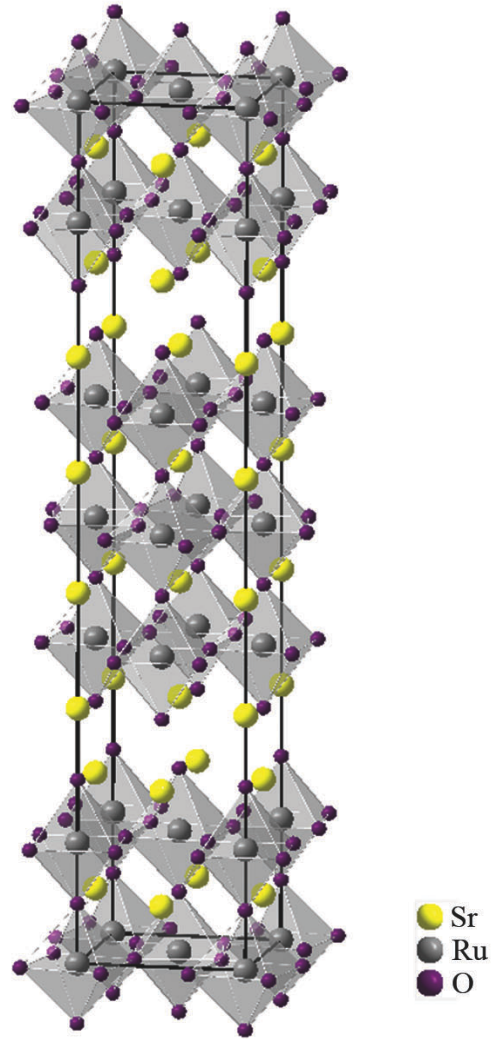


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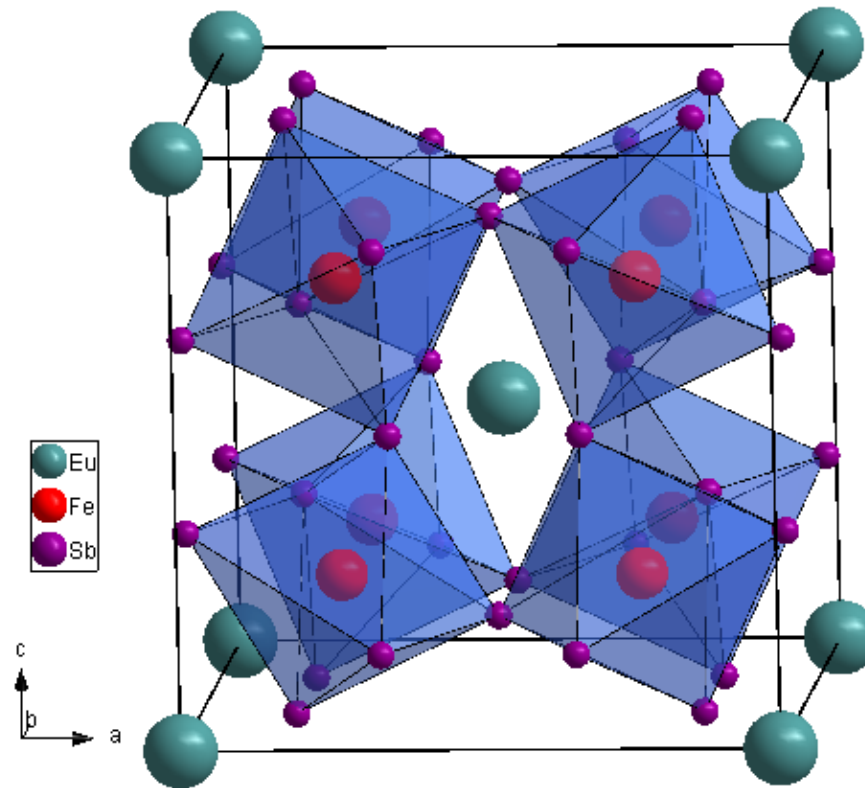
Publications: 48



Publications: 48



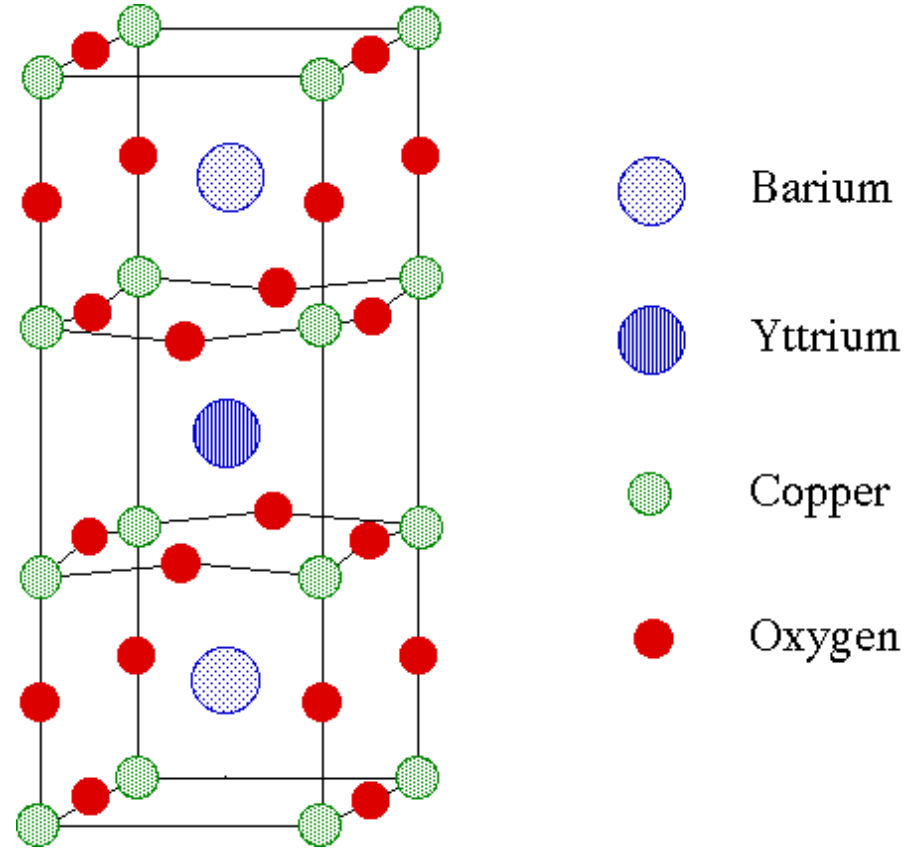
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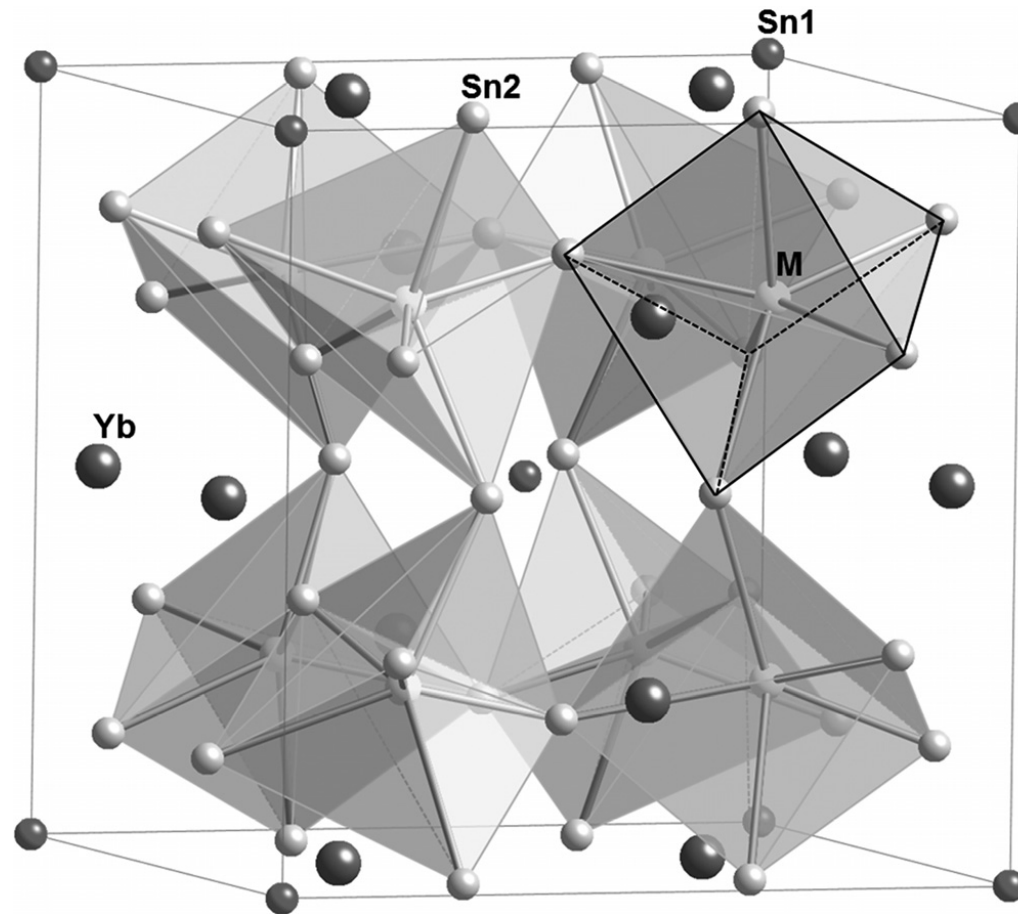
Publication: 45



Publications: 34



Publications: 2, 3, 5, 7, 12, 18, 19, 21, 22, 24

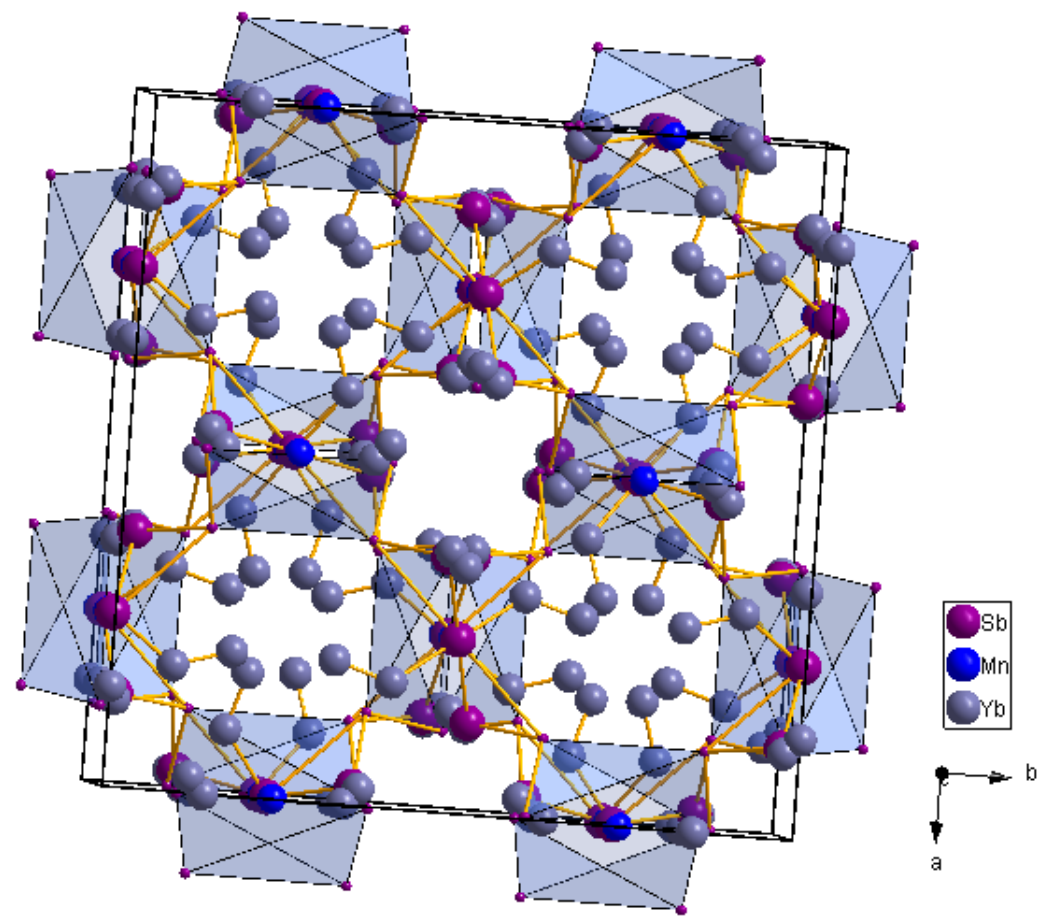
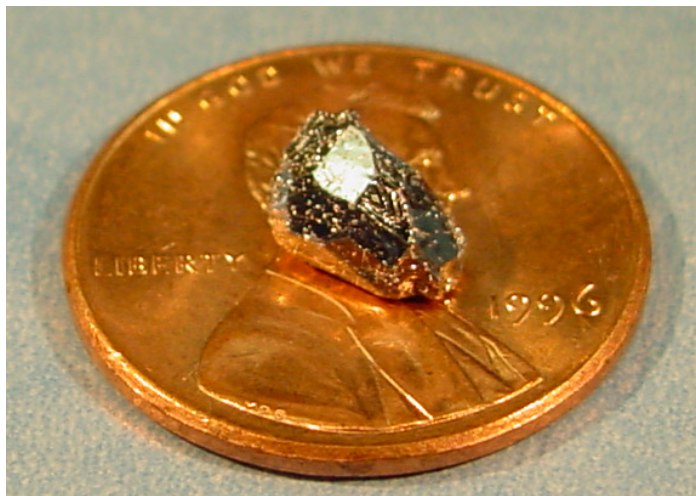


Publication: 157



Publication: 75

$\text{Yb}_{14}\text{MnSb}_{11}$



Publications: 72, 74, 94



Publications: 10