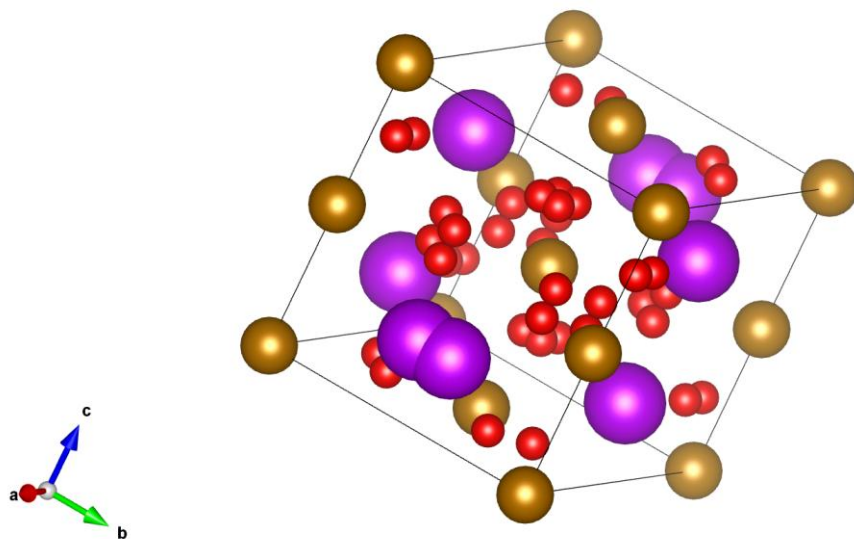


The GdFeO₃ structure



```

Title                New structure
Lattice type         P
Space group name     P b m n
Space group number   53
Setting number       3

Lattice parameters

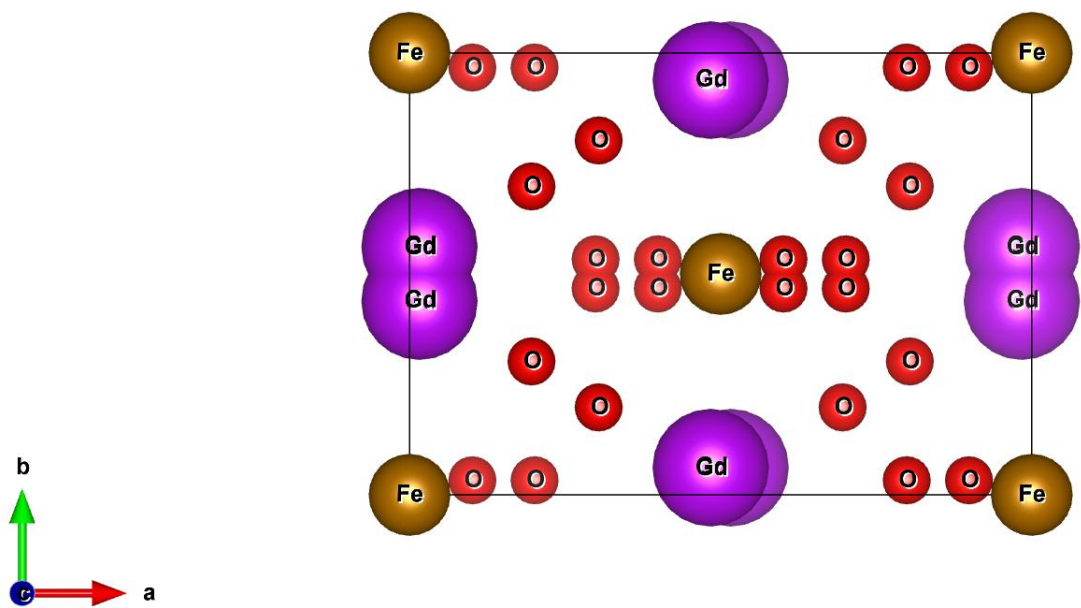
  a      b      c      alpha    beta    gamma
  7.66900  5.43900  5.61100  90.0000  90.0000  90.0000

Unit-cell volume = 234.044311 Å^3

Structure parameters


```

			x	y	z	Occ.	U	Site	Sym.
1	Gd	Gd	0.98400	0.56300	0.25000	1.000	-0.000	8i	1
2	Gd	Gd	0.01600	0.44000	0.75000	1.000	-0.000	8i	1
3	Gd	Gd	0.51600	0.06300	0.25000	1.000	-0.000	8i	1
4	Gd	Gd	0.48400	0.93700	0.75000	1.000	-0.000	8i	1
5	Fe	Fe	0.00000	0.00000	0.00000	1.000	-0.000	2a	2/m..
6	Fe	Fe	0.00000	0.00000	0.50000	1.000	-0.000	2d	2/m..
7	Fe	Fe	0.50000	0.50000	0.00000	1.000	-0.000	2a	2/m..
8	Fe	Fe	0.50000	0.50000	0.50000	1.000	-0.000	2d	2/m..
9	O	O	0.10100	0.96700	0.25000	1.000	-0.000	8i	1
10	O	O	0.89900	0.03300	0.75000	1.000	-0.000	8i	1
11	O	O	0.29900	0.46700	0.25000	1.000	-0.000	8i	1
12	O	O	0.60100	0.53300	0.75000	1.000	-0.000	8i	1
13	O	O	0.69600	0.80200	0.05100	1.000	-0.000	8i	1
14	O	O	0.69600	0.80200	0.44900	1.000	-0.000	8i	1
15	O	O	0.30400	0.19800	0.94900	1.000	-0.000	8i	1
16	O	O	0.30400	0.19800	0.55100	1.000	-0.000	8i	1
17	O	O	0.19600	0.69800	0.94900	1.000	-0.000	8i	1
18	O	O	0.19600	0.30200	0.44900	1.000	-0.000	8i	1
19	O	O	0.80400	0.30200	0.05100	1.000	-0.000	8i	1
20	O	O	0.19600	0.69800	0.55100	1.000	-0.000	8i	1



Plan view along c