

Database SL3

Compounds known as perovskites and non-perovskites

Perovskite formula	Source perovskite	Source non-perovskite	A		Be		B'		X	
			Ion	Oxidation state	Ion	Oxidation state	Ion	Oxidation state	Ion	Oxidation state
BaTiO ₃	67519	2356	Ba	2	Ti	4	Ti	4	O	-2
CaGeO ₃	31338	173459	Ca	2	Ge	4	Ge	4	O	-2
CaHfO ₃	J Alloy and Compounds, 372, 40-48 (2008)	108957	Ca	2	Hf	4	Hf	4	O	-2
CaIrO ₃	182245	159026	Ca	2	Ir	4	Ir	4	O	-2
CaMnO ₃	35218	24847	Ca	2	Mn	4	Mn	4	O	-2
CaRhO ₃	164775	164774	Ca	2	Rh	4	Rh	4	O	-2
CaSiO ₃	40658	18179	Ca	2	Si	4	Si	4	O	-2
CaSnO ₃	59160	2373	Ca	2	Sn	4	Sn	4	O	-2
CaVO ₃	J Alloy and Compounds, 372, 40-48 (2008)	82689	Ca	2	V	4	V	4	O	-2
CaZrO ₃	167889	69168	Ca	2	Zr	4	Zr	4	O	-2
CdGeO ₃	158753	30971	Cd	2	Ge	4	Ge	4	O	-2
CdSnO ₃	165167	180399	Cd	2	Sn	4	Sn	4	O	-2
CdTiO ₃	62150	15989	Cd	2	Ti	4	Ti	4	O	-2
CdVO ₃	172795	72603	Cd	2	V	4	V	4	O	-2
CsBeF ₃	Acta Cryst B 64, 702-707 (2008)	2801	Cs	1	Be	2	Be	2	F	-1
CsCdBr ₃	24483	1343	Cs	1	Cd	2	Cd	2	Br	-1
CsGeCl ₃	23121	Acta Cryst B 64, 702-707 (2008)	Cs	1	Ge	2	Ge	2	Cl	-1
CsHgBr ₃	24479	200751	Cs	1	Hg	2	Hg	2	Br	-1
CsHgCl ₃	24482	39443	Cs	1	Hg	2	Hg	2	Cl	-1
CsMnCl ₃	Acta Cryst B 64, 702-707 (2008)	2555	Cs	1	Mn	2	Mn	2	Cl	-1
Fe ₂ O ₃	189438	189439	Fe	3	Fe	3	Fe	3	O	-2
InCrO ₃	185586	J Alloy and Compounds, 372, 40-48 (2008)	In	3	Cr	3	Cr	3	O	-2
KAgF ₃	23155	421461	K	1	Ag	2	Ag	2	F	-1
KMgCl ₃	27930	Acta Cryst B 64, 702-707 (2008)	K	1	Mg	2	Mg	2	Cl	-1
KNbO ₃	190922	31997	K	1	Nb	5	Nb	5	O	-2
KPdF ₃	73167	72300	K	1	Pd	2	Pd	2	F	-1
LiNbO ₃	169693	5309	Li	1	Nb	5	Nb	5	O	-2
LiTaO ₃	9537	J Alloy and Compounds, 372, 40-48 (2008)	Li	1	Ta	5	Ta	5	O	-2
MgSiO ₃	36405	31176	Mg	2	Si	4	Si	4	O	-2
MnTiO ₃	158732	60006	Mn	2	Ti	4	Ti	4	O	-2
NaCoF ₃	4404	192148	Na	1	Co	2	Co	2	F	-1
NaCuF ₃	Acta Cryst B 64, 702-707 (2008)	67249	Na	1	Cu	2	Cu	2	F	-1
NaFeF ₃	68981	251575	Na	1	Fe	2	Fe	2	F	-1
NaIO ₃	20168	418336	Na	1	I	5	I	5	O	-2
NaMgF ₃	72318	156157	Na	1	Mg	2	Mg	2	F	-1
NaNbO ₃	247313	193715	Na	1	Nb	5	Nb	5	O	-2
NaNiF ₃	9008	423598	Na	1	Ni	2	Ni	2	F	-1

NaSbO3	98978	5312	Na	1	Sb	5	Sb	5	O	-2
NaTaO3	88375	63204	Na	1	Ta	5	Ta	5	O	-2
PbGeO3	185693	J Alloy and Compounds, 372, 40-48 (2008)	Pb	2	Ge	4	Ge	4	O	-2
PbTiO3	1613	2104	Pb	2	Ti	4	Ti	4	O	-2
RbPdF3	73166	72299	Rb	1	Pd	2	Pd	2	F	-1
SrGeO3	195084	J Alloy and Compounds, 372, 40-48 (2008)	Sr	2	Ge	4	Ge	4	O	-2
SrMnO3	188415	202615	Sr	2	Mn	4	Mn	4	O	-2
SrSiO3	248973	35666	Sr	2	Si	4	Si	4	O	-2
SrVO3	88982	72604	Sr	2	V	4	V	4	O	-2
ZnSnO3	245943	50404	Zn	2	Sn	4	Sn	4	O	-2
ZnTiO3	194214	22382	Zn	2	Ti	4	Ti	4	O	-2
Bi2CoMnO6	Prog. In Solid State Chem. 43 1-36 (2015)	153856	Bi	3	Co	2	Mn	4	O	-2
Ba2CrNbO6	Prog. In Solid State Chem. 43 1-36 (2015)	81844	Ba	2	Cr	3	Nb	5	O	-2
Ca2AlTaO6	Prog. In Solid State Chem. 43 1-36 (2015)	50718	Ca	2	Al	3	Ta	5	O	-2
Ca2NiWO6	98733	155734	Ca	2	Ni	2	W	6	O	-2
Cs2LiGaF6	Mat. Sci. Eng. 24, 81-151 (1998)	202	Cs	1	Li	1	Ga	3	F	-1
Cs2LiLuCl6	Mat. Sci. Eng. 24, 81-151 (1998)	Prog. Solid State Chem. 14, 141-219 (1982)	Cs	1	Li	1	Lu	3	Cl	-1
Cs2LiLuBr6	Mat. Sci. Eng. 24, 81-151 (1998)	Prog. Solid State Chem. 14, 141-219 (1982)	Cs	1	Li	1	Lu	3	Br	-1
Cs2LiScBr6	Mat. Sci. Eng. 24, 81-151 (1998)	Prog. Solid State Chem. 14, 141-219 (1982)	Cs	1	Li	1	Sc	3	Br	-1
Cs2LiTmBr6	Mat. Sci. Eng. 24, 81-151 (1998)	Prog. Solid State Chem. 14, 141-219 (1982)	Cs	1	Li	1	Tm	3	Br	-1
Cs2LiYbBr6	Mat. Sci. Eng. 24, 81-151 (1998)	Prog. Solid State Chem. 14, 141-219 (1982)	Cs	1	Li	1	Yb	3	Br	-1
Cs2NaAlF6	Mat. Sci. Eng. 24, 81-151 (1998)	200305	Cs	1	Na	1	Al	3	F	-1
Cs2NaCrF6	Mat. Sci. Eng. 24, 81-151 (1998)	200	Cs	1	Na	1	Cr	3	F	-1
Cs2NaFeF6	Mat. Sci. Eng. 24, 81-151 (1998)	201	Cs	1	Na	1	Fe	3	F	-1
Cs2NaGaF6	Mat. Sci. Eng. 24, 81-151 (1998)	55003	Cs	1	Na	1	Ga	3	F	-1
Cs2NaMnF6	Mat. Sci. Eng. 24, 81-151 (1998)	37006	Cs	1	Na	1	Mn	3	F	-1
Cs2NaVF6	Mat. Sci. Eng. 24, 81-151 (1998)	108910	Cs	1	Na	1	V	3	F	-1
K2LiAlF6	37250	27672	K	1	Li	1	Al	3	F	-1
La2LiTaO6	Prog. In Solid State Chem. 43 1-36 (2015)	188780	La	3	Li	1	Ta	5	O	-2
La2NaTaO6	159209	84363	La	3	Na	1	Ta	5	O	-2
Pb2CoTeO6	169193	169192	Pb	2	Co	2	Te	6	O	-2
Pb2MnReO6	Prog. In Solid State Chem. 43 1-36 (2015)	182002	Pb	2	Mn	2	Re	6	O	-2
Pb2MnWO6	Prog. In Solid State Chem. 43 1-36 (2015)	251494	Pb	2	Mn	2	W	6	O	-2
Pb2TmSbO6	Prog. In Solid State Chem. 43 1-36 (2015)	261031	Pb	2	Tm	3	Sb	5	O	-2
Rb2KCrF6	Mat. Sci. Eng. 24, 81-151 (1998)	416607	Rb	1	K	1	Cr	3	F	-1
Rb2KGaF6	Phys Solid State, 43, 1, 127-136 (2001)	416606	Rb	1	K	1	Ga	3	F	-1
Rb2LiFeF6	Mat. Sci. Eng. 24, 81-151 (1998)	16400	Rb	1	Li	1	Fe	3	F	-1
Rb2LiGaF6	Mat. Sci. Eng. 24, 81-151 (1998)	50468	Rb	1	Li	1	Ga	3	F	-1
Sr2GdRuO6	183376	164778	Sr	2	Gd	3	Ru	5	O	-2
Sr2NiTeO6	155949	16225	Sr	2	Ni	2	Te	6	O	-2