

Supplementary Information

Capacity prediction of K-ion batteries: A machine learning based approach for high throughput screening of electrode materials

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Text S1. Method of calculating volume of void.

Table S1. Selected descriptors and their feature importance value.

Figure S1. Selection of descriptors based on feature importance where f_i is the descriptors having feature importance greater than zero and 'i' varies from 1 to 71.

Table S2. Elemental properties to generate feature vectors.

Figure S2. Joint plots for the distribution plot across electronic properties. Change of capacity with (a) s valence electrons, (b) d valence electrons, and (c) f valence electrons.

Figure S3. Distribution of capacity with respect to different lattice parameters of electrode materials. Change in capacity with lattice parameter (a) a, (b) b, (c) c, (d) γ .

Figure S4. Change of explained variance with each principal component.

Figure S5. Comparison between ML predicted capacity and DFT calculated capacity for EXR ML model having number of trees=800, min_samples_leaf=3, min_samples_split=2 hyperparameters on (a) Li dataset. (b) Na+K dataset. (c) Li+Na+K dataset.

Text S2. Best hyperparameters found for random forest regression (RFR).

Figure S6. Estimation of optimized number of trees for Random Forest ML model.

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Figure S7. Gradual insertion of K ions in electrode material, Mn_4NiO_8 (a) $K_0Mn_4NiO_8$, (b) $K_1Mn_4NiO_8$, (c) $K_2Mn_4NiO_8$, (d) $K_3Mn_4NiO_8$.

Table S5. The calculated binding energy per K insertion for different concentration of K in Mn_4NiO_8 .

Figure S8. DFT optimized structures of Mn_4NiO_8 upon intercalation by four K ions. Here a and b represent two possibilities.

Figure S9. Root mean square displacement (RMSD) of Mn_4NiO_8 structure upon intercalation of K-ions with respect to the unintercalated structure.

Table S6. Predicted capacity and number of K ion intercalated per formula unit.

Text S1. Method of calculating volume of void.

The volume of void (V_{void}) can be calculated as

$$V_{void} = V_{crystal} - \left(\sum_{i=1}^n x_i \frac{4}{3} \pi r_i^3 \right)$$

Where, $V_{crystal}$ is the volume of the lattice, i stands for the constituent elements in the lattice, x_i stands for the number of atoms of the constituent element i , r_i stands for atomic radius of the constituent elements.

Table S1. Selected descriptors and their feature importance value.

Descriptors	Feature Importance
a	19.99248
b	11.55686
c	13.3455
γ	2.19725
molecular_wt	8.629337
component_length	9.97639
vol_of_void	17.547
heat_atom	13.29175
mean_en	10.01011
s_contribution	17.09857
f_contribution	4.325726
sum_Metal	6.588943
sum_Metalliod	0.453182
sum_Miracle_Radius_[pm]	4.00879
sum_metallic_valence	3.955712
sum_valence_d	3.022948
sum_valence_f	0.884731
sum_polarizability(A ³)	4.702479
sum_specific_heat_(J/g_K)	0.344263
sum_heat_of_fusion_(kJ/mol)	2.49474
sum_thermal_conductivity_(W/(m_K))	1.620195
avg_Period	29.04425
avg_families	11.49841
avg_Mendeleev_Number	0.084387
avg_Miracle_Radius_[pm]	7.843378
avg_Zunger_radii_sum	15.35589
avg_crystal_radius	6.590407
avg_Pauling_Electronegativity	0.236832
avg_number_of_valence_electrons	23.95504
avg_valence_s	9.665605
avg_valence_d	14.02499
avg_valence_f	2.490361
avg_Number_of_unfilled_s_valence_electrons	0.483429
avg_Number_of_unfilled_d_valence_electrons	0.531795
avg_Number_of_unfilled_f_valence_electrons	0.100956

avg_Melting_point_(K)	2.981298
avg_heat_of_fusion_(kJ/mol)	3.01323
var_Atomic_Number	0.141424
var_Period	20.82763
var_group	17.65423
var_Metal	1.141666
var_l_quantum_number	10.8045
var_crystal_radius	3.774943
var_MB_electronegativity	2.089889
var_Gordy_electronegativity	12.28455
var_Mulliken_EN	6.442979
var_Allred-Rockow_electronegativity	39.92961
var_gilmor_number_of_valence_electron	4.017691
var_valence_p	7.147776
var_valence_f	3.392137
var_Number_of_unfilled_p_valence_electrons	0.023094
var_Number_of_unfilled_f_valence_electrons	0.001354
var_outer_shell_electrons	1.653657
var_1st_ionization_potential_(kJ/mol)	8.24177
var_heat_of_vaporization_(kJ/mol)_	1.528509
range_families	5.688928
range_Metal	5.261452
range_Atomic_Radius	7.83484
range_Miracle_Radius_[pm]	2.830836
range_ionic_radius	5.195103
range_MB_electronegativity	7.568182
range_Gordy_electronegativity	14.441
range_metallic_valence	2.962051
range_number_of_valence_electrons	4.307665
range_valence_d	11.85172
range_Number_of_unfilled_d_valence_electrons	0.005627
range_1st_ionization_potential_(kJ/mol)	12.98413
range_specific_heat_(J/g_K)	2.445781
range_heat_of_fusion_(kJ/mol)	7.748805
range_thermal_conductivity_(W/(m_K))	0.747173
range_Cohesive_energy	0.180748

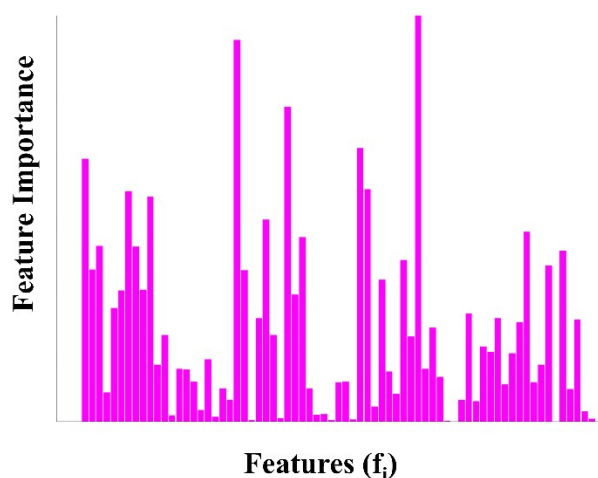


Figure S1. Selection of descriptors based on feature importance where f_i is the descriptors having feature importance greater than zero and 'i' varies from 1 to 71.

Table S2. Elemental properties to generate feature vectors.

Atomic number	Metalloid	Ionic radius	Metallic valence	Number of unfilled s valence electrons	Melting point
Atomic weight	Mendeleev number	Crystal radius	Number of valence electrons	Number of unfilled p valence electrons	Boiling point
Period	L quantum number	Pauling electronegativity	Heat of atomization	Number of unfilled d valence electrons	Density
Group	Atomic radius	MB electronegativity	Valence s	Number of unfilled f valence electrons	Specific heat
Families	Miracle radius	Gordy electronegativity	Valence p	Cohesive energy	Heat of fusion
Metal	Covalent radius	Mulliken electronegativity	Valence d	1 st ionization potential	Heat of vaporization
Non-metal	Zunger radius	Allred Rochow electronegativity	Valence f	Polarizability	Thermal conductivity

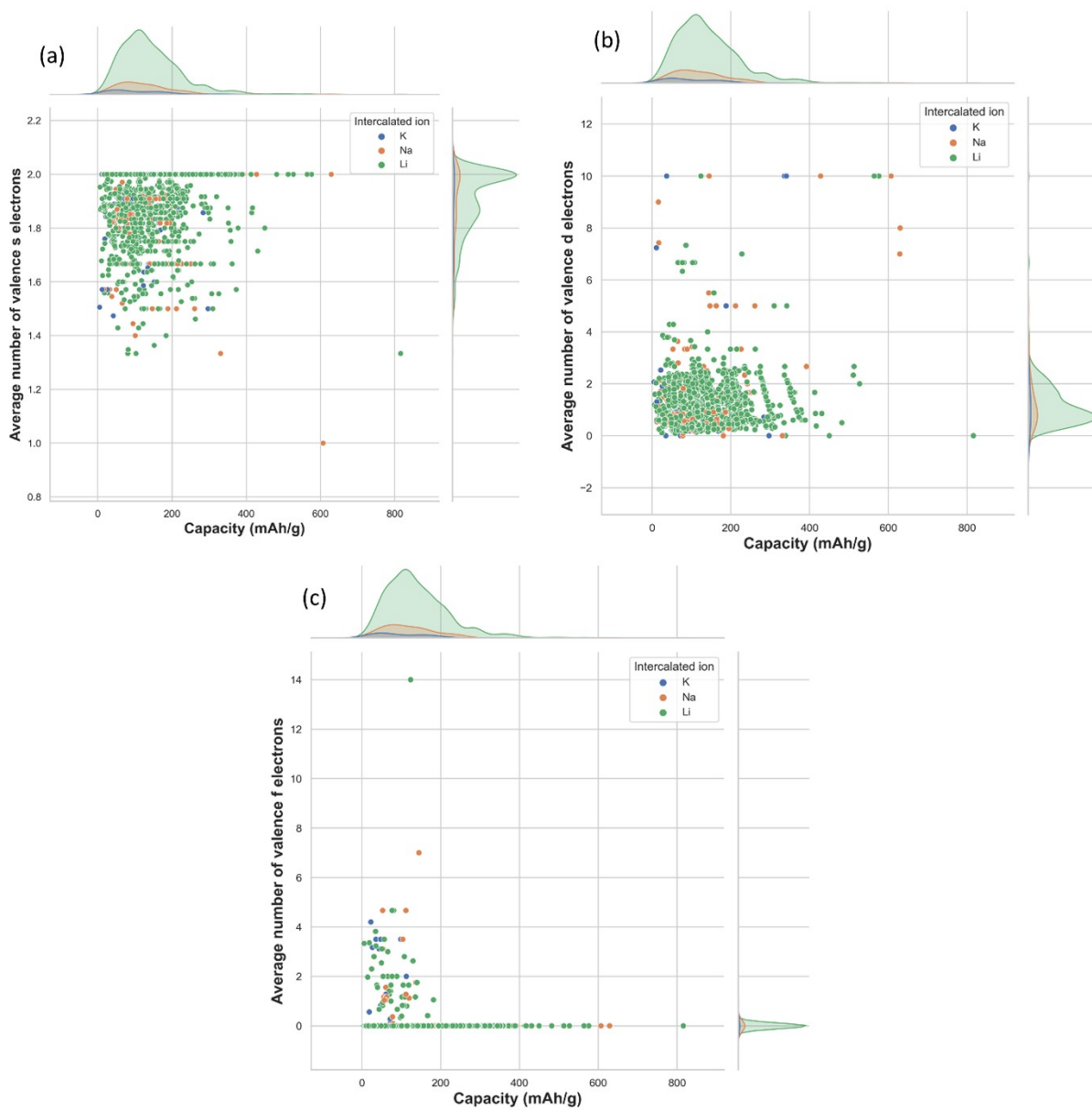


Figure S2. Joint plots for the distribution plot across electronic properties. Change of capacity with (a) s valence electrons, (b) d valence electrons, and (c) f valence electrons.

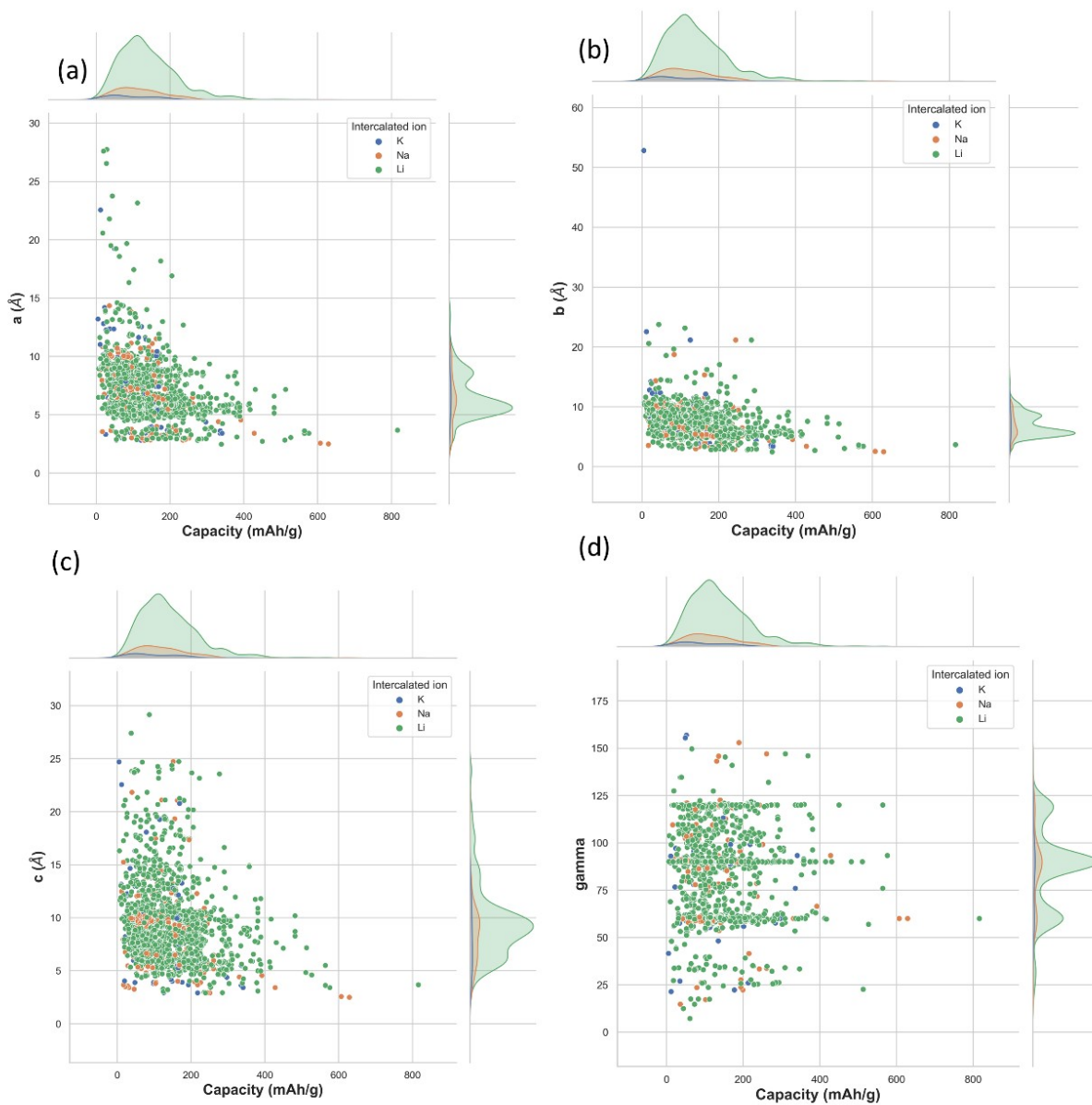


Figure S3. Distribution of capacity with respect to different lattice parameters of electrode materials. Change in capacity with lattice parameter (a) a, (b) b, (c) c, (d) γ .

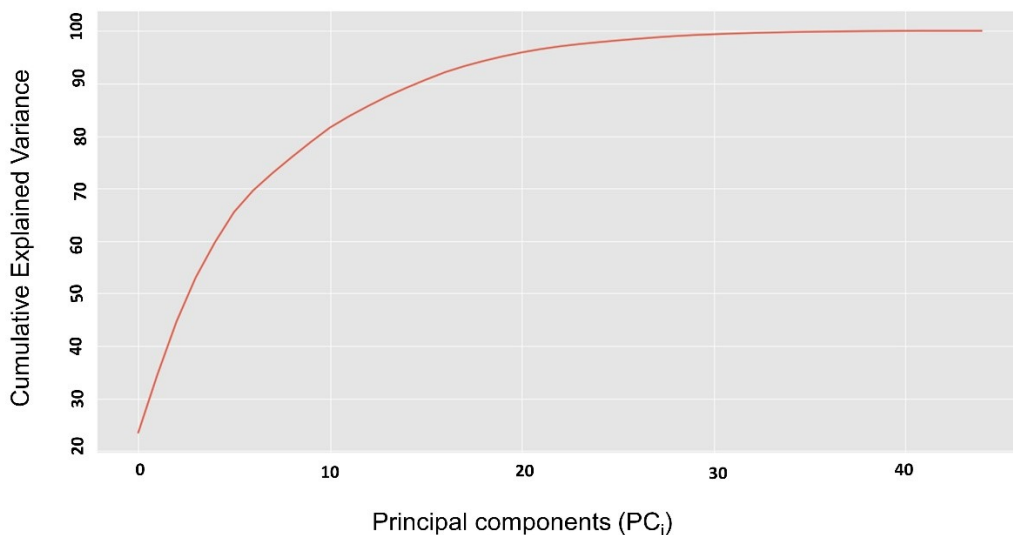


Figure S4. Change of explained variance with each principal component.

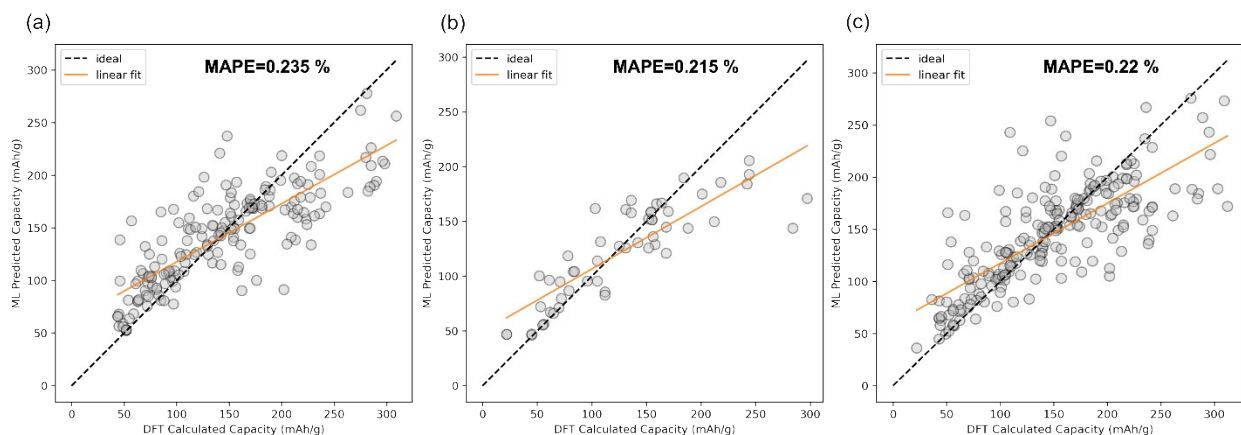


Figure S5. Comparison between ML predicted capacity and DFT calculated capacity for EXR ML model having number of trees=800, min_samples_leaf=3, min_samples_split=2 hyperparameters on (a) Li dataset. (b) Na+K dataset. (c) Li+Na+K dataset.

Text S2. Best hyperparameters found for Random Forest Regression (RFR).

The performance of RFR, an ensemble based ML algorithm has been checked for our dataset. The optimized number of trees needed for the fitting of training set has been found to be 470.

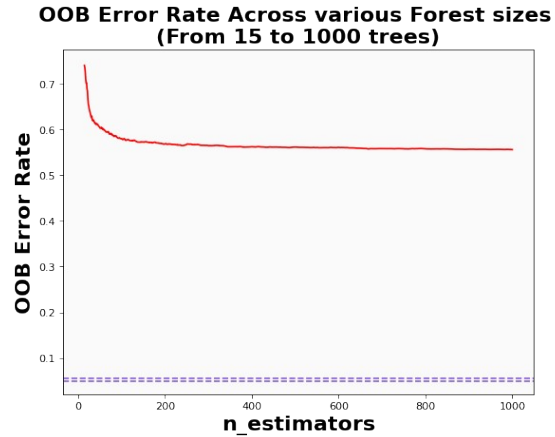


Figure S6. Estimation of optimized number of trees for Random Forest ML model.

Table S3. Cross validation score for Random Forest Regression (Number of Trees = 470).

Number of CV fold	MAPE
1	0.55632393
2	0.36491104
3	0.48444393
4	0.38227109
5	0.37742942
6	0.30495874
7	0.23020601
8	0.45309557
9	0.30685957
10	0.46659858
Mean MAPE	0.39271

Table S4. Optimized hyperparameters and mean absolute percentage error (MAPE) for Decision Trees Regression.

Max_depth	Min_samples_leaf	Min_samples_split	splitter	MAPE
17	3	2	Random	0.38575

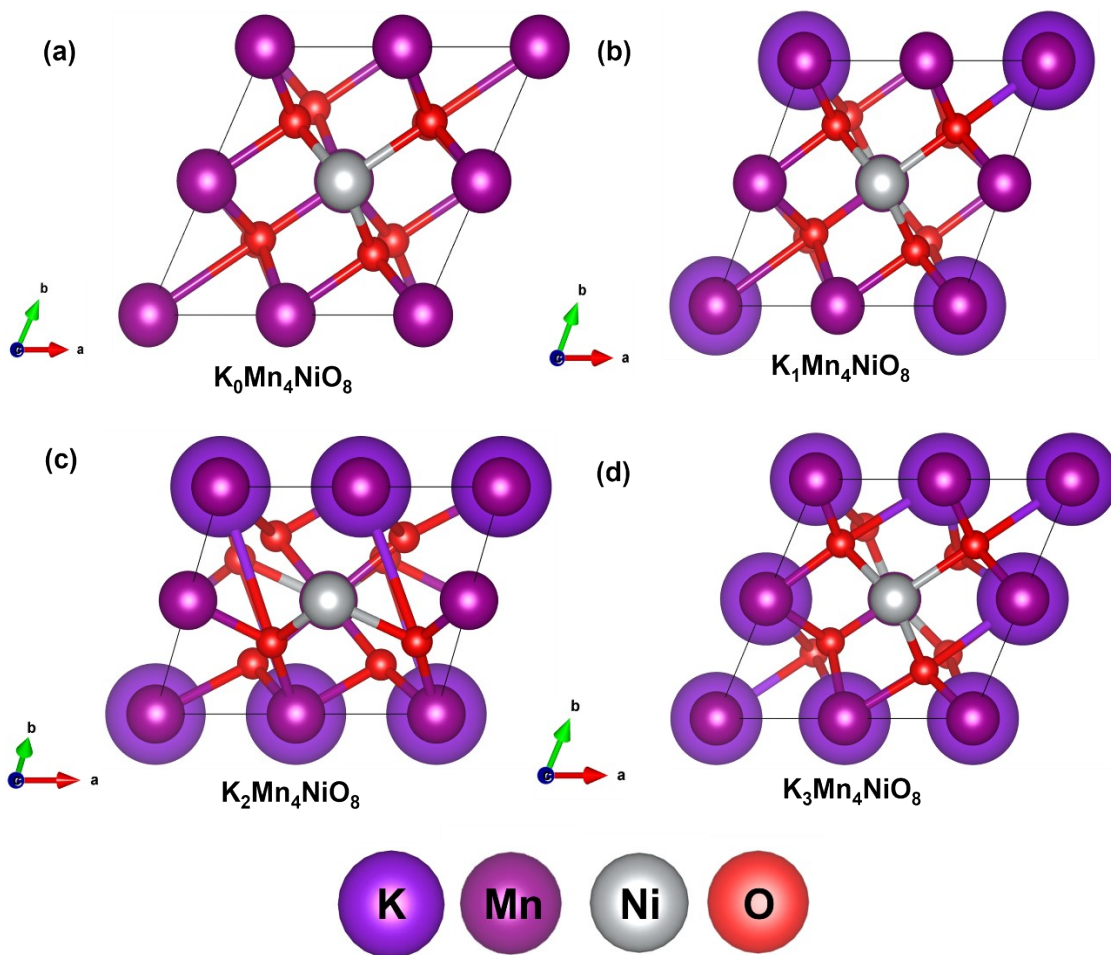


Figure S7. Gradual insertion of K ions in electrode material, Mn_4NiO_8 (a) $\text{K}_0\text{Mn}_4\text{NiO}_8$, (b) $\text{K}_1\text{Mn}_4\text{NiO}_8$, (c) $\text{K}_2\text{Mn}_4\text{NiO}_8$, (d) $\text{K}_3\text{Mn}_4\text{NiO}_8$.

Table S5. The calculated binding energy per K insertion for different concentration of K in Mn_4NiO_8 .

Electrode with K insertion	Binding Energy/K insertion (eV)
$\text{K}_1\text{Mn}_4\text{NiO}_8$	-1.83
$\text{K}_2\text{Mn}_4\text{NiO}_8$	-3.15
$\text{K}_3\text{Mn}_4\text{NiO}_8$	-1.97

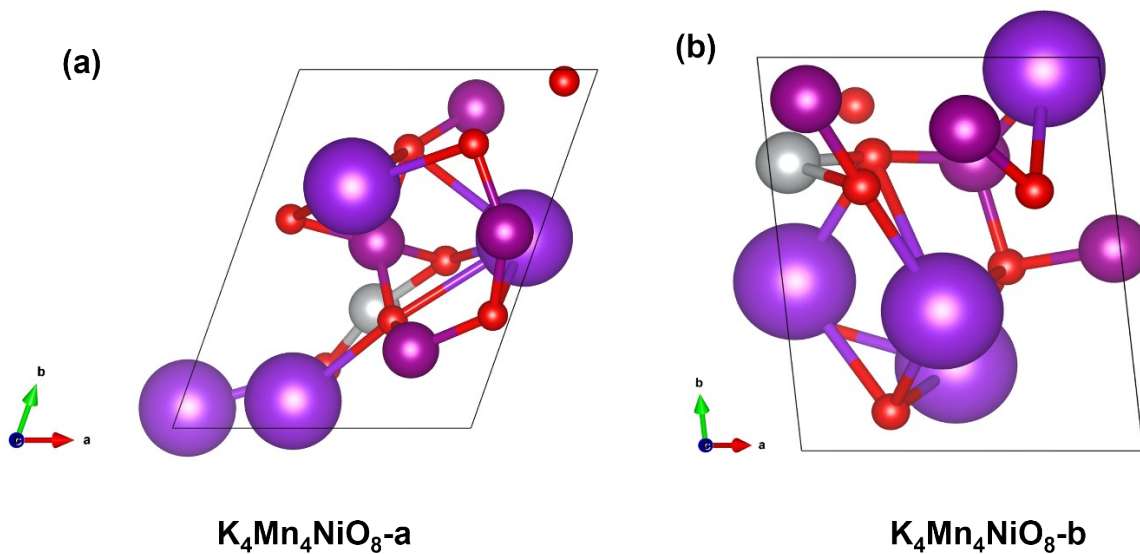


Figure S8. DFT optimized structures of Mn_4NiO_8 upon intercalation by four K ions. Here a and b represent two possibilities.

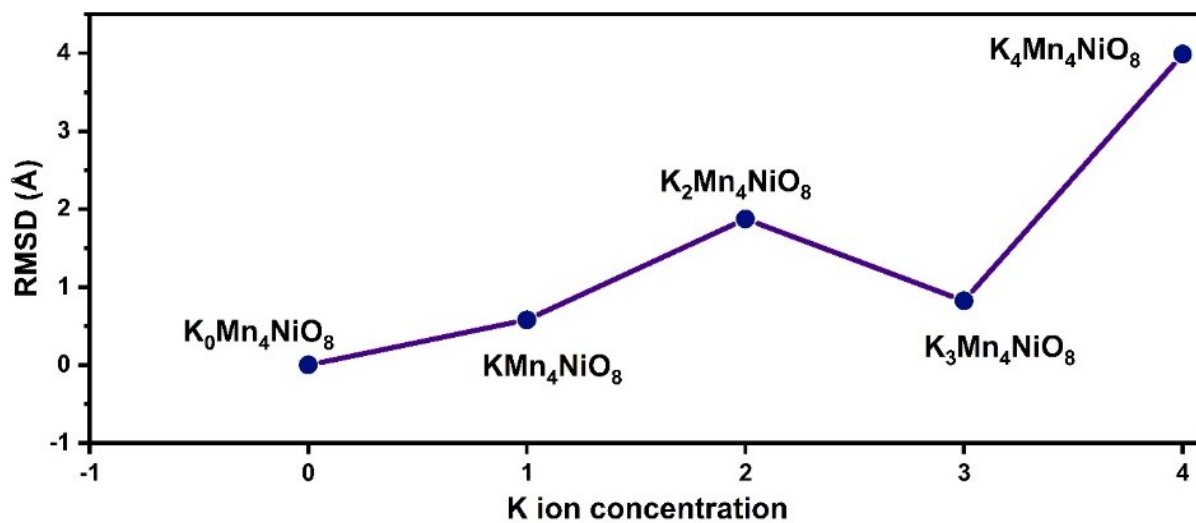


Figure S9. Root mean square displacement (RMSD) of Mn_4NiO_8 structure upon intercalation of K-ions with respect to the unintercalated structure.

Table S6. Predicted capacity and number of K ion intercalated per formula unit.

Electrode materials	Intercalated electrode materials	No. of K ion intercalated	Capacity (mAh/g)
Al ₂ Cu	0.72	K _{0.72}	K _{0.72} Al ₂ Cu
Al ₃ Cr ₃ (SbO ₈) ₂	3.99	K _{3.99}	K _{3.99} Al ₃ Cr ₃ (SbO ₈) ₂
Ba ₂ (CuO ₂) ₃	1.5	K _{1.5}	K _{1.5} Ba ₂ (CuO ₂) ₃
Ba ₂ Ti ₁₁ O ₂₄	1.92	K _{1.92}	K _{1.92} Ba ₂ Ti ₁₁ O ₂₄
Ba ₂ VP ₂ O ₉	1.27	K _{1.27}	K _{1.27} Ba ₂ VP ₂ O ₉
Ba ₄ Li ₄ Ti ₁₉ O ₄₄	4.26	K _{4.26}	K _{4.26} Ba ₄ Li ₄ Ti ₁₉ O ₄₄
Ba ₄ Nb ₃ O ₁₂	2.42	K _{2.42}	K _{2.42} Ba ₄ Nb ₃ O ₁₂
Ba ₆ Ta ₉ Ti ₇ O ₄₂	1.98	K _{1.98}	K _{1.98} Ba ₆ Ta ₉ Ti ₇ O ₄₂
Ba ₆ Ti ₇ (Sb ₃ O ₁₄) ₃	3.75	K _{3.75}	K _{3.75} Ba ₆ Ti ₇ (Sb ₃ O ₁₄) ₃
Ba ₆ Ti ₇ Nb ₉ O ₄₂	4.07	K _{4.07}	K _{4.07} Ba ₆ Ti ₇ Nb ₉ O ₄₂
BaCaVP ₂ O ₉	1.66	K _{1.66}	K _{1.66} BaCaVP ₂ O ₉
BaNaSn	0.97	K _{0.97}	K _{0.97} BaNaSn
Bi	0.12	K _{0.12}	K _{0.12} Bi
Bi(PdO ₂) ₂	1.42	K _{1.42}	K _{1.42} Bi(PdO ₂) ₂
Bi(PO ₃) ₄	1.12	K _{1.12}	K _{1.12} Bi(PO ₃) ₄
Bi ₂ (SO ₄) ₃	1.73	K _{1.73}	K _{1.73} Bi ₂ (SO ₄) ₃
Bi ₃ (PO ₅) ₂	2.15	K _{2.15}	K _{2.15} Bi ₃ (PO ₅) ₂
BiO ₂	0.47	K _{0.47}	K _{0.47} BiO ₂
BiP ₂ O ₇	1.02	K _{1.02}	K _{1.02} BiP ₂ O ₇

C	0.03	K0.03	K0.03C
Ca ₉ Co(PO ₄) ₇	2.08	K2.08	K2.08Ca ₉ Co(PO ₄) ₇
CaFe ₂ (SiO ₃) ₄	1.99	K1.99	K1.99CaFe ₂ (SiO ₃) ₄
Co	0.14	K0.14	K0.14Co
Co(NiO ₂) ₄	2.93	K2.93	K2.93Co(NiO ₂) ₄
Co(PO ₃) ₃	2.27	K2.27	K2.27Co(PO ₃) ₃
Co ₁₅ O ₂₈	1.99	K1.99	K1.99Co ₁₅ O ₂₈
Co ₂ (CO ₃) ₃	1.77	K1.77	K1.77Co ₂ (CO ₃) ₃
Co ₂ (PO ₃) ₅	2.44	K2.44	K2.44Co ₂ (PO ₃) ₅
Co ₂ (SO ₄) ₃	2.12	K2.12	K2.12Co ₂ (SO ₄) ₃
Co ₂₁ O ₄₀	1.58	K1.58	K1.58Co ₂₁ O ₄₀
Co ₂ C ₂ O ₇	1.28	K1.28	K1.28Co ₂ C ₂ O ₇
Co ₂ NiO ₆	2.1	K2.1	K2.1Co ₂ NiO ₆
Co ₂ P ₃ O ₁₀	1.89	K1.89	K1.89Co ₂ P ₃ O ₁₀
Co ₂ P ₅ O ₁₆	2.83	K2.83	K2.83Co ₂ P ₅ O ₁₆
Co ₃ (P ₂ O ₇) ₂	2.96	K2.96	K2.96Co ₃ (P ₂ O ₇) ₂
Co ₃ (SeO ₃) ₄	3.18	K3.18	K3.18Co ₃ (SeO ₃) ₄
Co ₃ BiO ₈	2.06	K2.06	K2.06Co ₃ BiO ₈
Co ₃ Cu ₃ (TeO ₈) ₂	4.07	K4.07	K4.07Co ₃ Cu ₃ (TeO ₈) ₂
Co ₃ Ni(PO ₄) ₄	3.93	K3.93	K3.93Co ₃ Ni(PO ₄) ₄
Co ₃ Ni ₃ (TeO ₈) ₂	5.44	K5.44	K5.44Co ₃ Ni ₃ (TeO ₈) ₂
Co ₃ NiO ₈	2.56	K2.56	K2.56Co ₃ NiO ₈
Co ₃ P ₃ O ₁₁	1.68	K1.68	K1.68Co ₃ P ₃ O ₁₁
Co ₃ P ₄ O ₁₅	2.14	K2.14	K2.14Co ₃ P ₄ O ₁₅

Co3SbO8	2.21	K2.21	K2.21Co3SbO8
Co3Sn(PO4)4	3.84	K3.84	K3.84Co3Sn(PO4)4
Co3SnO8	2.35	K2.35	K2.35Co3SnO8
Co3TeO8	2.57	K2.57	K2.57Co3TeO8
Co4NiO8	3.03	K3.03	K3.03Co4NiO8
Co4TeO8	2.31	K2.31	K2.31Co4TeO8
Co5(P2O7)4	4.8	K4.8	K4.8Co5(P2O7)4
Co5NiO12	4.09	K4.09	K4.09Co5NiO12
Co5SbO12	4	K4	K4Co5SbO12
Co5Te3O16	4.76	K4.76	K4.76Co5Te3O16
Co6P7O24	2.72	K2.72	K2.72Co6P7O24
Co7O12	2.52	K2.52	K2.52Co7O12
CoBO3	0.77	K0.77	K0.77CoBO3
CoCu(PO4)2	2.27	K2.27	K2.27CoCu(PO4)2
CoF3	0.61	K0.61	K0.61CoF3
CoH8(CO5)2	1.69	K1.69	K1.69CoH8(CO5)2
CoNi(PO4)2	2.3	K2.3	K2.3CoNi(PO4)2
CoO2	0.72	K0.72	K0.72CoO2
CoP2O7	1.43	K1.43	K1.43CoP2O7
CoPHO5	1.41	K1.41	K1.41CoPHO5
CoPO4	0.93	K0.93	K0.93CoPO4
CoS2	0.94	K0.94	K0.94CoS2
CoSbO4	1.37	K1.37	K1.37CoSbO4
CoSiO4	0.97	K0.97	K0.97CoSiO4

CoSn(PO ₄) ₂	1.87	K1.87	K1.87CoSn(PO ₄) ₂
Cr(CoO ₃) ₂	1.41	K1.41	K1.41Cr(CoO ₃) ₂
Cr(GeO ₃) ₂	1.58	K1.58	K1.58Cr(GeO ₃) ₂
Cr(PO ₃) ₄	1.73	K1.73	K1.73Cr(PO ₃) ₄
Cr(SiO ₃) ₂	1.21	K1.21	K1.21Cr(SiO ₃) ₂
Cr(SO ₄) ₂	1.12	K1.12	K1.12Cr(SO ₄) ₂
Cr(WO ₄) ₃	2.92	K2.92	K2.92Cr(WO ₄) ₃
Cr ₁₀ Fe ₅ O ₂₄	4.07	K4.07	K4.07Cr ₁₀ Fe ₅ O ₂₄
Cr ₂ (PO ₄) ₃	1.56	K1.56	K1.56Cr ₂ (PO ₄) ₃
Cr ₂ (PS ₄) ₃	1.22	K1.22	K1.22Cr ₂ (PS ₄) ₃
Cr ₂ (PS ₄) ₃	1.22	K1.22	K1.22Cr ₂ (PS ₄) ₃
Cr ₂ (SO ₄) ₃	1.81	K1.81	K1.81Cr ₂ (SO ₄) ₃
Cr ₂ P ₂ O ₉	1.49	K1.49	K1.49Cr ₂ P ₂ O ₉
Cr ₂ P ₃ O ₁₀	1.69	K1.69	K1.69Cr ₂ P ₃ O ₁₀
Cr ₃ (CuO ₆) ₂	2.08	K2.08	K2.08Cr ₃ (CuO ₆) ₂
Cr ₃ (FeO ₄) ₂	2.05	K2.05	K2.05Cr ₃ (FeO ₄) ₂
Cr ₃ (FeO ₆) ₂	1.79	K1.79	K1.79Cr ₃ (FeO ₆) ₂
Cr ₃ (P ₂ O ₇) ₂	2.21	K2.21	K2.21Cr ₃ (P ₂ O ₇) ₂
Cr ₃ Co(PO ₄) ₄	3.29	K3.29	K3.29Cr ₃ Co(PO ₄) ₄
Cr ₃ Co ₃ (SbO ₈) ₂	4.35	K4.35	K4.35Cr ₃ Co ₃ (SbO ₈) ₂
Cr ₃ Co ₃ (TeO ₈) ₂	4.3	K4.3	K4.3Cr ₃ Co ₃ (TeO ₈) ₂
Cr ₃ Cu(PO ₄) ₄	3.18	K3.18	K3.18Cr ₃ Cu(PO ₄) ₄
Cr ₃ Fe ₂ Sb ₃ O ₁₆	5	K5	K5Cr ₃ Fe ₂ Sb ₃ O ₁₆
Cr ₃ Fe ₃ (TeO ₈) ₂	4.9	K4.9	K4.9Cr ₃ Fe ₃ (TeO ₈) ₂

Cr3Ni(PO4)4	3.39	K3.39	K3.39Cr3Ni(PO4)4
Cr3Ni(SO4)6	3.31	K3.31	K3.31Cr3Ni(SO4)6
Cr3O8	1.26	K1.26	K1.26Cr3O8
Cr3P4O15	1.85	K1.85	K1.85Cr3P4O15
Cr3P6WO24	2.85	K2.85	K2.85Cr3P6WO24
Cr3SbO8	2.02	K2.02	K2.02Cr3SbO8
Cr3Sn3(SbO8)2	4.56	K4.56	K4.56Cr3Sn3(SbO8)2
Cr3TeO8	2	K2	K2Cr3TeO8
Cr3WO8	1.82	K1.82	K1.82Cr3WO8
Cr4(PO4)3	1.52	K1.52	K1.52Cr4(PO4)3
Cr4GaS8	2.54	K2.54	K2.54Cr4GaS8
Cr4P7O24	2.57	K2.57	K2.57Cr4P7O24
Cr4Si4O13	2.42	K2.42	K2.42Cr4Si4O13
Cr5(PO4)4	2.04	K2.04	K2.04Cr5(PO4)4
Cr5(Si2O7)2	2.49	K2.49	K2.49Cr5(Si2O7)2
Cr5O12	1.22	K1.22	K1.22Cr5O12
Cr6P7O24	2.41	K2.41	K2.41Cr6P7O24
CrCo(PO4)2	1.94	K1.94	K1.94CrCo(PO4)2
CrCo3(PO4)4	3.82	K3.82	K3.82CrCo3(PO4)4
CrCo3O8	2.17	K2.17	K2.17CrCo3O8
CrCo5O12	2.93	K2.93	K2.93CrCo5O12
CrCu(PO4)2	1.89	K1.89	K1.89CrCu(PO4)2
CrF3	0.58	K0.58	K0.58CrF3
CrF4	0.71	K0.71	K0.71CrF4

CrF6	1.01	K1.01	K1.01CrF6
CrFe(PO4)2	1.92	K1.92	K1.92CrFe(PO4)2
CrFe3Cu2(PO4)6	4.21	K4.21	K4.21CrFe3Cu2(PO4)6
CrN2	0.67	K0.67	K0.67CrN2
CrNi(PO4)2	2.04	K2.04	K2.04CrNi(PO4)2
CrO2	0.51	K0.51	K0.51CrO2
CrO3	0.68	K0.68	K0.68CrO3
CrP2O7	1.22	K1.22	K1.22CrP2O7
CrP2S7	1.71	K1.71	K1.71CrP2S7
CrPHO5	1.43	K1.43	K1.43CrPHO5
CrPO4	0.65	K0.65	K0.65CrPO4
CrPO4F	1.27	K1.27	K1.27CrPO4F
CrPO5	0.97	K0.97	K0.97CrPO5
CrS2	0.62	K0.62	K0.62CrS2
CrS2	0.62	K0.62	K0.62CrS2
CrSn(PO4)2	1.7	K1.7	K1.7CrSn(PO4)2
CrTe(WO6)2	2.94	K2.94	K2.94CrTe(WO6)2
Cs2CoF6	1.49	K1.49	K1.49Cs2CoF6
Cs2CrF6	1.79	K1.79	K1.79Cs2CrF6
Cs2CuF6	1.53	K1.53	K1.53Cs2CuF6
Cs2MnF6	1.43	K1.43	K1.43Cs2MnF6
Cs2MnO4	1.23	K1.23	K1.23Cs2MnO4
Cs2MoBr6	2.87	K2.87	K2.87Cs2MoBr6
Cs2MoCl6	1.84	K1.84	K1.84Cs2MoCl6

Cs ₂ NiF ₆	1.44	K1.44	K1.44Cs ₂ NiF ₆
Cs ₂ SbBr ₆	2.68	K2.68	K2.68Cs ₂ SbBr ₆
Cs ₂ SbCl ₆	1.89	K1.89	K1.89Cs ₂ SbCl ₆
Cu	0.06	K0.06	K0.06Cu
Cu(PO ₃) ₃	1.55	K1.55	K1.55Cu(PO ₃) ₃
Cu(TeO ₃) ₄	4.27	K4.27	K4.27Cu(TeO ₃) ₄
Cu ₂ P ₃ O ₁₀	2.05	K2.05	K2.05Cu ₂ P ₃ O ₁₀
Cu ₃ (P ₂ O ₇) ₂	2.27	K2.27	K2.27Cu ₃ (P ₂ O ₇) ₂
Cu ₃ O ₄	1.33	K1.33	K1.33Cu ₃ O ₄
Cu ₃ Sb(PO ₄) ₄	3.43	K3.43	K3.43Cu ₃ Sb(PO ₄) ₄
Cu ₄ (PO ₄) ₃	2.07	K2.07	K2.07Cu ₄ (PO ₄) ₃
Cu ₅ (Si ₂ O ₇) ₂	2.33	K2.33	K2.33Cu ₅ (Si ₂ O ₇) ₂
Cu ₅ P ₃ O ₁₃	2.25	K2.25	K2.25Cu ₅ P ₃ O ₁₃
Cu ₉ (PO ₄) ₈	2.17	K2.17	K2.17Cu ₉ (PO ₄) ₈
CuCO ₃	0.71	K0.71	K0.71CuCO ₃
CuHCO ₄	0.79	K0.79	K0.79CuHCO ₄
CuO	0.65	K0.65	K0.65CuO
CuP ₄ O ₁₁	1.69	K1.69	K1.69CuP ₄ O ₁₁
CuPO ₄	0.97	K0.97	K0.97CuPO ₄
CuS ₂	0.73	K0.73	K0.73CuS ₂
CuSb(PO ₄) ₂	2.42	K2.42	K2.42CuSb(PO ₄) ₂
CuSe	0.76	K0.76	K0.76CuSe
Fe(CoO ₃) ₂	2.52	K2.52	K2.52Fe(CoO ₃) ₂
Fe(PO ₃) ₃	2.25	K2.25	K2.25Fe(PO ₃) ₃

Fe(PO ₃) ₄	1.72	K1.72	K1.72Fe(PO ₃) ₄
Fe(PS ₃) ₂	2.04	K2.04	K2.04Fe(PS ₃) ₂
Fe(SbO ₃) ₄	3.57	K3.57	K3.57Fe(SbO ₃) ₄
Fe ₂ (CO ₃) ₃	1.72	K1.72	K1.72Fe ₂ (CO ₃) ₃
Fe ₂ (PO ₄) ₃	1.66	K1.66	K1.66Fe ₂ (PO ₄) ₃
Fe ₂ (SO ₄) ₃	1.93	K1.93	K1.93Fe ₂ (SO ₄) ₃
Fe ₂ C ₂ O ₇	1.38	K1.38	K1.38Fe ₂ C ₂ O ₇
Fe ₂ Co ₃ O ₁₀	2.74	K2.74	K2.74Fe ₂ Co ₃ O ₁₀
Fe ₂ Ni(PO ₄) ₃	2.22	K2.22	K2.22Fe ₂ Ni(PO ₄) ₃
Fe ₂ OF ₃	0.78	K0.78	K0.78Fe ₂ OF ₃
Fe ₂ P ₃ O ₁₀	2.12	K2.12	K2.12Fe ₂ P ₃ O ₁₀
Fe ₂ P ₅ O ₁₆	2.85	K2.85	K2.85Fe ₂ P ₅ O ₁₆
Fe ₃ (P ₂ O ₇) ₂	2.3	K2.3	K2.3Fe ₃ (P ₂ O ₇) ₂
Fe ₃ (P ₃ O ₁₀) ₂	1.99	K1.99	K1.99Fe ₃ (P ₃ O ₁₀) ₂
Fe ₃ (SiO ₄) ₂	1.78	K1.78	K1.78Fe ₃ (SiO ₄) ₂
Fe ₃ (SnS ₄) ₂	2.69	K2.69	K2.69Fe ₃ (SnS ₄) ₂
Fe ₃ Co(PO ₄) ₄	3.97	K3.97	K3.97Fe ₃ Co(PO ₄) ₄
Fe ₃ Co ₃ (SbO ₈) ₂	5.77	K5.77	K5.77Fe ₃ Co ₃ (SbO ₈) ₂
Fe ₃ Co ₃ (TeO ₈) ₂	5.27	K5.27	K5.27Fe ₃ Co ₃ (TeO ₈) ₂
Fe ₃ Cu(PO ₄) ₄	3.17	K3.17	K3.17Fe ₃ Cu(PO ₄) ₄
Fe ₃ Ni(PO ₄) ₄	3.89	K3.89	K3.89Fe ₃ Ni(PO ₄) ₄
Fe ₃ O ₄	1.1	K1.1	K1.1Fe ₃ O ₄
Fe ₃ OF ₅	1.03	K1.03	K1.03Fe ₃ OF ₅
Fe ₃ OF ₇	1.42	K1.42	K1.42Fe ₃ OF ₇

Fe3P3O11	1.45	K1.45	K1.45Fe3P3O11
Fe3P3O13	2.47	K2.47	K2.47Fe3P3O13
Fe3P4O15	1.97	K1.97	K1.97Fe3P4O15
Fe4(PO4)3	1.98	K1.98	K1.98Fe4(PO4)3
Fe4OF7	1.13	K1.13	K1.13Fe4OF7
Fe4OF8	1.36	K1.36	K1.36Fe4OF8
Fe5(P2O7)4	2.86	K2.86	K2.86Fe5(P2O7)4
Fe5(PO4)4	2.69	K2.69	K2.69Fe5(PO4)4
Fe5Co3O16	4.3	K4.3	K4.3Fe5Co3O16
Fe5Ni(PO4)6	4.19	K4.19	K4.19Fe5Ni(PO4)6
Fe5O8	0.94	K0.94	K0.94Fe5O8
Fe5OF11	2.13	K2.13	K2.13Fe5OF11
Fe5P3O13	2.63	K2.63	K2.63Fe5P3O13
Fe5P6WO24	3.08	K3.08	K3.08Fe5P6WO24
Fe5Sb(PO4)6	3.72	K3.72	K3.72Fe5Sb(PO4)6
Fe7(OF3)3	2.01	K2.01	K2.01Fe7(OF3)3
Fe7(OF7)2	2.93	K2.93	K2.93Fe7(OF7)2
Fe7(PO4)8	3.84	K3.84	K3.84Fe7(PO4)8
Fe7O3F13	2.83	K2.83	K2.83Fe7O3F13
Fe7O7F	1.61	K1.61	K1.61Fe7O7F
FeCl4	1.39	K1.39	K1.39FeCl4
FeClO	0.55	K0.55	K0.55FeClO
FeCo3(PO4)4	4.02	K4.02	K4.02FeCo3(PO4)4
FeCo3O8	2.36	K2.36	K2.36FeCo3O8

FeCo5O12	3.33	K3.33	K3.33FeCo5O12
FeCo9O20	4.8	K4.8	K4.8FeCo9O20
FeCoO4	1.5	K1.5	K1.5FeCoO4
FeCSO7	1.82	K1.82	K1.82FeCSO7
FeCu(PO4)2	2.19	K2.19	K2.19FeCu(PO4)2
FeCuS2	0.92	K0.92	K0.92FeCuS2
FeF3	0.53	K0.53	K0.53FeF3
FeH12(SO7)2	1.86	K1.86	K1.86FeH12(SO7)2
FeH4(SO5)2	2.27	K2.27	K2.27FeH4(SO5)2
FeNi(PO4)2	2.31	K2.31	K2.31FeNi(PO4)2
FeNi3(PO4)4	3.98	K3.98	K3.98FeNi3(PO4)4
FeO2	0.62	K0.62	K0.62FeO2
FeP2O7	1.42	K1.42	K1.42FeP2O7
FePHO5	1.47	K1.47	K1.47FePHO5
FePO4	1.09	K1.09	K1.09FePO4
FePO4	1.04	K1.04	K1.04FePO4
FePO4	0.64	K0.64	K0.64FePO4
FePO4	1.01	K1.01	K1.01FePO4
FePO4	0.93	K0.93	K0.93FePO4
FeS2	0.93	K0.93	K0.93FeS2
FeSb3	1.13	K1.13	K1.13FeSb3
FeWClO4	1.13	K1.13	K1.13FeWClO4
Ge3(MoO6)2	2.24	K2.24	K2.24Ge3(MoO6)2
In2CuSe4	2.5	K2.5	K2.5In2CuSe4

InBi	0.97	K0.97	K0.97InBi
K(Mo ₂ O ₃) ₄	4.24	K4.24	K4.24K(Mo ₂ O ₃) ₄
K(MoS) ₉	2.38	K2.38	K2.38K(MoS) ₉
K(WO ₃) ₃	1.78	K1.78	K1.78K(WO ₃) ₃
K(WO ₃) ₆	2.5	K2.5	K2.5K(WO ₃) ₆
K ₁₁ Mn ₄ O ₁₆	4.26	K4.26	K4.26K ₁₁ Mn ₄ O ₁₆
K ₂ CoF ₆	1.18	K1.18	K1.18K ₂ CoF ₆
K ₂ CrF ₆	1.55	K1.55	K1.55K ₂ CrF ₆
K ₂ CrO ₄	1.21	K1.21	K1.21K ₂ CrO ₄
K ₂ CuPCO ₇	1.32	K1.32	K1.32K ₂ CuPCO ₇
K ₂ Li ₂ CoO ₄	1.11	K1.11	K1.11K ₂ Li ₂ CoO ₄
K ₂ Li ₂ NiO ₄	1.1	K1.1	K1.1K ₂ Li ₂ NiO ₄
K ₂ LiMn ₂ O ₄	1.46	K1.46	K1.46K ₂ LiMn ₂ O ₄
K ₂ MnF ₆	1.22	K1.22	K1.22K ₂ MnF ₆
K ₂ MnPCO ₇	1.4	K1.4	K1.4K ₂ MnPCO ₇
K ₂ MoCl ₆	1.64	K1.64	K1.64K ₂ MoCl ₆
K ₂ NiPCO ₇	1.4	K1.4	K1.4K ₂ NiPCO ₇
K ₂ SnPCO ₇	1.45	K1.45	K1.45K ₂ SnPCO ₇
K ₂ Ti ₈ O ₁₇	3.03	K3.03	K3.03K ₂ Ti ₈ O ₁₇
K ₂ TiPCO ₇	1.28	K1.28	K1.28K ₂ TiPCO ₇
K ₂ VPO ₆	1.05	K1.05	K1.05K ₂ VPO ₆
K ₃ (FeSe) ₈	2.18	K2.18	K2.18K ₃ (FeSe) ₈
K ₄ Co ₂ O ₅	1.69	K1.69	K1.69K ₄ Co ₂ O ₅
K ₄ Li ₃ Mn ₂ O ₈	2.11	K2.11	K2.11K ₄ Li ₃ Mn ₂ O ₈

K5Nb16(O5F2)4	1.45	K1.45	K1.45K5Nb16(O5F2)4
K7(Mo9S11)4	0.45	K0.45	K0.45K7(Mo9S11)4
KBiPCO7	1.74	K1.74	K1.74KBiPCO7
KC	0.33	K0.33	K0.33KC
KCrPCO7	1.42	K1.42	K1.42KCrPCO7
KFe2F6	1.54	K1.54	K1.54KFe2F6
KFePCO7	1.6	K1.6	K1.6KFePCO7
KLiSb(PO4)2	1.44	K1.44	K1.44KLiSb(PO4)2
KLiTi2(PO5)2	1.37	K1.37	K1.37KLiTi2(PO5)2
KMn2O4	1.17	K1.17	K1.17KMn2O4
KMnP3HO10	1.75	K1.75	K1.75KMnP3HO10
KMnPCO7	1.75	K1.75	K1.75KMnPCO7
KNb2O5	1.52	K1.52	K1.52KNb2O5
KNb2PO8	1.18	K1.18	K1.18KNb2PO8
KPrPCO7	1.26	K1.26	K1.26KPrPCO7
KTi2(PO4)3	1.66	K1.66	K1.66KTi2(PO4)3
KTiAsO5	1.15	K1.15	K1.15KTiAsO5
KTiPCO7	1.36	K1.36	K1.36KTiPCO7
KVPCO7	1.33	K1.33	K1.33KVPCO7
La20Cu9O40	2.89	K2.89	K2.89La20Cu9O40
La2MoO6	1.6	K1.6	K1.6La2MoO6
La2Ti2CrO9	2.23	K2.23	K2.23La2Ti2CrO9
La3MnO7	2.05	K2.05	K2.05La3MnO7
La3Ti3CrO12	2.61	K2.61	K2.61La3Ti3CrO12

La ₃ Ti ₄ O ₁₂	1.98	K1.98	K1.98La ₃ Ti ₄ O ₁₂
La ₄ CoO ₈	1.62	K1.62	K1.62La ₄ CoO ₈
La ₄ FeO ₈	1.55	K1.55	K1.55La ₄ FeO ₈
La ₄ MnO ₈	1.97	K1.97	K1.97La ₄ MnO ₈
La ₄ NiO ₈	1.57	K1.57	K1.57La ₄ NiO ₈
La ₄ Ti ₃ O ₁₂	1.97	K1.97	K1.97La ₄ Ti ₃ O ₁₂
La ₆ Mn ₃ O ₁₄	2.61	K2.61	K2.61La ₆ Mn ₃ O ₁₄
La ₈ Cu ₃ O ₁₆	1.85	K1.85	K1.85La ₈ Cu ₃ O ₁₆
LaTi ₂ O ₆	1.25	K1.25	K1.25LaTi ₂ O ₆
Li(BC) ₂	0.2	K0.2	K0.2Li(BC) ₂
Li(FeO ₂) ₂	1.08	K1.08	K1.08Li(FeO ₂) ₂
Li(NiO ₂) ₂	1.1	K1.1	K1.1Li(NiO ₂) ₂
Li(NiO ₂) ₅	2.81	K2.81	K2.81Li(NiO ₂) ₅
Li(ReO ₃) ₅	2.87	K2.87	K2.87Li(ReO ₃) ₅
Li ₁₀ Cr ₃ P ₆ (O ₄ F) ₆	3.27	K3.27	K3.27Li ₁₀ Cr ₃ P ₆ (O ₄ F) ₆
Li ₁₁ (FeO ₃) ₄	2.13	K2.13	K2.13Li ₁₁ (FeO ₃) ₄
Li ₁₂ Nb ₁₄ ZnO ₄₂	2.61	K2.61	K2.61Li ₁₂ Nb ₁₄ ZnO ₄₂
Li ₁₂ Ni ₁₁ O ₂₈	5.15	K5.15	K5.15Li ₁₂ Ni ₁₁ O ₂₈
Li ₁₃ Mn ₈ O ₂₄	3.94	K3.94	K3.94Li ₁₃ Mn ₈ O ₂₄
Li ₁₅ (FeO ₄) ₄	2.04	K2.04	K2.04Li ₁₅ (FeO ₄) ₄
Li ₁₇ (Co ₄ O ₉) ₂	3.3	K3.3	K3.3Li ₁₇ (Co ₄ O ₉) ₂
Li ₁₉ (FeAs) ₂₀	0.84	K0.84	K0.84Li ₁₉ (FeAs) ₂₀
Li ₂ (FeO ₂) ₃	1.24	K1.24	K1.24Li ₂ (FeO ₂) ₃
Li ₂ (FeO ₂) ₅	2.35	K2.35	K2.35Li ₂ (FeO ₂) ₅

Li ₂ (NiO ₂) ₃	1.15	K1.15	K1.15Li ₂ (NiO ₂) ₃
Li ₂ (NiO ₂) ₃	1.29	K1.29	K1.29Li ₂ (NiO ₂) ₃
Li ₂ C	0.1	K0.1	K0.1Li ₂ C
Li ₂ Co(NiO ₃) ₂	1.04	K1.04	K1.04Li ₂ Co(NiO ₃) ₂
Li ₂ Co(PO ₄) ₂	0.91	K0.91	K0.91Li ₂ Co(PO ₄) ₂
Li ₂ CoNi ₃ O ₈	1.68	K1.68	K1.68Li ₂ CoNi ₃ O ₈
Li ₂ CoO ₃	0.98	K0.98	K0.98Li ₂ CoO ₃
Li ₂ Cr(FeO ₃) ₂	1.16	K1.16	K1.16Li ₂ Cr(FeO ₃) ₂
Li ₂ Cr(PO ₄) ₂	1.15	K1.15	K1.15Li ₂ Cr(PO ₄) ₂
Li ₂ Cr(Si ₂ O ₅) ₃	1.97	K1.97	K1.97Li ₂ Cr(Si ₂ O ₅) ₃
Li ₂ Cr ₂ FeO ₆	1.3	K1.3	K1.3Li ₂ Cr ₂ FeO ₆
Li ₂ Cr ₂ P ₄ H ₃ O ₁₆	2.53	K2.53	K2.53Li ₂ Cr ₂ P ₄ H ₃ O ₁₆
Li ₂ Cr ₃ (CO ₃) ₆	3.11	K3.11	K3.11Li ₂ Cr ₃ (CO ₃) ₆
Li ₂ Cr ₃ (CoO ₄) ₃	3.35	K3.35	K3.35Li ₂ Cr ₃ (CoO ₄) ₃
Li ₂ Cr ₃ CoO ₈	2.07	K2.07	K2.07Li ₂ Cr ₃ CoO ₈
Li ₂ Cr ₃ CoO ₈	1.97	K1.97	K1.97Li ₂ Cr ₃ CoO ₈
Li ₂ Cr ₃ FeO ₈	1.7	K1.7	K1.7Li ₂ Cr ₃ FeO ₈
Li ₂ Cr ₃ NiO ₈	1.52	K1.52	K1.52Li ₂ Cr ₃ NiO ₈
Li ₂ Cr ₃ NiO ₈	1.63	K1.63	K1.63Li ₂ Cr ₃ NiO ₈
Li ₂ Cr ₃ O ₆	1.37	K1.37	K1.37Li ₂ Cr ₃ O ₆
Li ₂ CrF ₆	1.38	K1.38	K1.38Li ₂ CrF ₆
Li ₂ CrFe ₃ O ₈	1.58	K1.58	K1.58Li ₂ CrFe ₃ O ₈
Li ₂ CrO ₄	0.83	K0.83	K0.83Li ₂ CrO ₄
Li ₂ CuAsCO ₇	1.17	K1.17	K1.17Li ₂ CuAsCO ₇

Li ₂ CuP ₂ O ₇	1.12	K1.12	K1.12Li ₂ CuP ₂ O ₇
Li ₂ CuSbO ₅	1.17	K1.17	K1.17Li ₂ CuSbO ₅
Li ₂ Fe(BO ₃) ₂	0.85	K0.85	K0.85Li ₂ Fe(BO ₃) ₂
Li ₂ Fe(NiO ₃) ₂	0.89	K0.89	K0.89Li ₂ Fe(NiO ₃) ₂
Li ₂ Fe(PO ₄) ₂	0.91	K0.91	K0.91Li ₂ Fe(PO ₄) ₂
Li ₂ Fe(PO ₄) ₂	1.39	K1.39	K1.39Li ₂ Fe(PO ₄) ₂
Li ₂ Fe ₂ P ₄ H ₃ O ₁₆	2.54	K2.54	K2.54Li ₂ Fe ₂ P ₄ H ₃ O ₁₆
Li ₂ Fe ₃ CoO ₈	1.84	K1.84	K1.84Li ₂ Fe ₃ CoO ₈
Li ₂ Fe ₃ CuO ₈	1.4	K1.4	K1.4Li ₂ Fe ₃ CuO ₈
Li ₂ Fe ₃ NiO ₈	1.59	K1.59	K1.59Li ₂ Fe ₃ NiO ₈
Li ₂ FeNi ₃ O ₈	1.8	K1.8	K1.8Li ₂ FeNi ₃ O ₈
Li ₂ FeOF ₃	0.89	K0.89	K0.89Li ₂ FeOF ₃
Li ₂ FePCO ₇	0.98	K0.98	K0.98Li ₂ FePCO ₇
Li ₂ FePCO ₇	0.94	K0.94	K0.94Li ₂ FePCO ₇
Li ₂ FePO ₅	1.05	K1.05	K1.05Li ₂ FePO ₅
Li ₂ Mg ₁₁ (WO ₄) ₁₂	1.43	K1.43	K1.43Li ₂ Mg ₁₁ (WO ₄) ₁₂
Li ₂ Mg ₃ Ti ₆ O ₁₆	1.79	K1.79	K1.79Li ₂ Mg ₃ Ti ₆ O ₁₆
Li ₂ MgCo ₁₃ O ₂₈	5.31	K5.31	K5.31Li ₂ MgCo ₁₃ O ₂₈
Li ₂ MgCo ₃ O ₈	1.48	K1.48	K1.48Li ₂ MgCo ₃ O ₈
Li ₂ MgNi ₃ O ₈	1.7	K1.7	K1.7Li ₂ MgNi ₃ O ₈
Li ₂ Mn(FeO ₃) ₂	0.97	K0.97	K0.97Li ₂ Mn(FeO ₃) ₂
Li ₂ Mn(NiO ₃) ₂	1.32	K1.32	K1.32Li ₂ Mn(NiO ₃) ₂
Li ₂ Mn(PO ₄) ₂	1.19	K1.19	K1.19Li ₂ Mn(PO ₄) ₂
Li ₂ Mn ₂ P ₄ H ₃ O ₁₆	2.39	K2.39	K2.39Li ₂ Mn ₂ P ₄ H ₃ O ₁₆

Li ₂ Mn ₂ Si ₃ O ₁₀	1.82	K1.82	K1.82Li ₂ Mn ₂ Si ₃ O ₁₀
Li ₂ Mn ₃ (BO ₃) ₃	1.13	K1.13	K1.13Li ₂ Mn ₃ (BO ₃) ₃
Li ₂ Mn ₃ (BO ₃) ₃	1.53	K1.53	K1.53Li ₂ Mn ₃ (BO ₃) ₃
Li ₂ Mn ₃ (FeO ₄) ₃	3.55	K3.55	K3.55Li ₂ Mn ₃ (FeO ₄) ₃
Li ₂ Mn ₃ Cr ₃ O ₁₂	3.26	K3.26	K3.26Li ₂ Mn ₃ Cr ₃ O ₁₂
Li ₂ Mn ₃ NiO ₈	1.41	K1.41	K1.41Li ₂ Mn ₃ NiO ₈
Li ₂ Mn ₃ O ₆	1.1	K1.1	K1.1Li ₂ Mn ₃ O ₆
Li ₂ Mn ₃ O ₇	1.25	K1.25	K1.25Li ₂ Mn ₃ O ₇
Li ₂ Mn ₅ (FeO ₆) ₂	3.36	K3.36	K3.36Li ₂ Mn ₅ (FeO ₆) ₂
Li ₂ MnBAsO ₇	1.18	K1.18	K1.18Li ₂ MnBAsO ₇
Li ₂ MnBPO ₇	1.07	K1.07	K1.07Li ₂ MnBPO ₇
Li ₂ MnCr ₃ O ₈	1.8	K1.8	K1.8Li ₂ MnCr ₃ O ₈
Li ₂ MnCr ₃ O ₈	2.28	K2.28	K2.28Li ₂ MnCr ₃ O ₈
Li ₂ MnCr ₃ O ₈	2.08	K2.08	K2.08Li ₂ MnCr ₃ O ₈
Li ₂ MnF ₅	0.87	K0.87	K0.87Li ₂ MnF ₅
Li ₂ MnF ₆	1.09	K1.09	K1.09Li ₂ MnF ₆
Li ₂ MnFe ₃ O ₈	1.56	K1.56	K1.56Li ₂ MnFe ₃ O ₈
Li ₂ MnNi ₃ O ₈	1.82	K1.82	K1.82Li ₂ MnNi ₃ O ₈
Li ₂ MnOF ₃	0.79	K0.79	K0.79Li ₂ MnOF ₃
Li ₂ MnP ₂ HO ₈	1.21	K1.21	K1.21Li ₂ MnP ₂ HO ₈
Li ₂ MnPCO ₇	1.18	K1.18	K1.18Li ₂ MnPCO ₇
Li ₂ MnSiCO ₇	1.02	K1.02	K1.02Li ₂ MnSiCO ₇
Li ₂ MnV(PO ₄) ₃	1.42	K1.42	K1.42Li ₂ MnV(PO ₄) ₃
Li ₂ MnV ₂ O ₆	1.23	K1.23	K1.23Li ₂ MnV ₂ O ₆

Li ₂ MnV ₃ O ₈	1.74	K1.74	K1.74Li ₂ MnV ₃ O ₈
Li ₂ Mo(PO ₄) ₂	1.16	K1.16	K1.16Li ₂ Mo(PO ₄) ₂
Li ₂ Nb ₂ Fe ₃ O ₁₀	2.63	K2.63	K2.63Li ₂ Nb ₂ Fe ₃ O ₁₀
Li ₂ Nb ₄ ZnO ₁₂	2.58	K2.58	K2.58Li ₂ Nb ₄ ZnO ₁₂
Li ₂ Nb ₆ NiO ₁₈	3.5	K3.5	K3.5Li ₂ Nb ₆ NiO ₁₈
Li ₂ Ni ₂ SnO ₆	0.94	K0.94	K0.94Li ₂ Ni ₂ SnO ₆
Li ₂ Ni ₃ (BO ₃) ₃	0.96	K0.96	K0.96Li ₂ Ni ₃ (BO ₃) ₃
Li ₂ Ni ₃ TeO ₈	1.75	K1.75	K1.75Li ₂ Ni ₃ TeO ₈
Li ₂ Ni ₅ O ₉	1.97	K1.97	K1.97Li ₂ Ni ₅ O ₉
Li ₂ Sn(BO ₃) ₂	0.93	K0.93	K0.93Li ₂ Sn(BO ₃) ₂
Li ₂ Ti(BO ₃) ₂	0.75	K0.75	K0.75Li ₂ Ti(BO ₃) ₂
Li ₂ Ti(FeO ₃) ₂	1.12	K1.12	K1.12Li ₂ Ti(FeO ₃) ₂
Li ₂ Ti(NiO ₃) ₂	1.01	K1.01	K1.01Li ₂ Ti(NiO ₃) ₂
Li ₂ Ti(TeO ₄) ₃	2.38	K2.38	K2.38Li ₂ Ti(TeO ₄) ₃
Li ₂ Ti ₂ Fe ₃ O ₁₀	2.34	K2.34	K2.34Li ₂ Ti ₂ Fe ₃ O ₁₀
Li ₂ Ti ₂ Mn ₅ O ₁₂	2.89	K2.89	K2.89Li ₂ Ti ₂ Mn ₅ O ₁₂
Li ₂ Ti ₃ NiO ₈	1.13	K1.13	K1.13Li ₂ Ti ₃ NiO ₈
Li ₂ Ti ₃ V ₃ O ₁₂	2.29	K2.29	K2.29Li ₂ Ti ₃ V ₃ O ₁₂
Li ₂ Ti ₆ Zn ₃ O ₁₆	2.64	K2.64	K2.64Li ₂ Ti ₆ Zn ₃ O ₁₆
Li ₂ Ti ₇ Nb ₆ O ₃₀	3.57	K3.57	K3.57Li ₂ Ti ₇ Nb ₆ O ₃₀
Li ₂ TiCr ₃ O ₈	2.09	K2.09	K2.09Li ₂ TiCr ₃ O ₈
Li ₂ TiFe ₃ O ₈	1.33	K1.33	K1.33Li ₂ TiFe ₃ O ₈
Li ₂ TiV ₃ O ₈	1.34	K1.34	K1.34Li ₂ TiV ₃ O ₈
Li ₂ TiV ₃ O ₈	1.06	K1.06	K1.06Li ₂ TiV ₃ O ₈

Li ₂ V(CO ₃) ₃	1.07	K1.07	K1.07Li ₂ V(CO ₃) ₃
Li ₂ V(OF) ₂	0.8	K0.8	K0.8Li ₂ V(OF) ₂
Li ₂ V(PO ₄) ₂	1.3	K1.3	K1.3Li ₂ V(PO ₄) ₂
Li ₂ V(Si ₂ O ₅) ₃	1.79	K1.79	K1.79Li ₂ V(Si ₂ O ₅) ₃
Li ₂ V ₂ FeO ₆	1.11	K1.11	K1.11Li ₂ V ₂ FeO ₆
Li ₂ V ₂ SiGeO ₁₀	1.35	K1.35	K1.35Li ₂ V ₂ SiGeO ₁₀
Li ₂ V ₃ CoO ₈	1.4	K1.4	K1.4Li ₂ V ₃ CoO ₈
Li ₂ V ₃ CrO ₈	1.85	K1.85	K1.85Li ₂ V ₃ CrO ₈
Li ₂ V ₃ O ₃ F ₅	1.03	K1.03	K1.03Li ₂ V ₃ O ₃ F ₅
Li ₂ V ₅ Cr ₂ O ₁₂	3.02	K3.02	K3.02Li ₂ V ₅ Cr ₂ O ₁₂
Li ₂ VBPO ₇	0.79	K0.79	K0.79Li ₂ VBPO ₇
Li ₂ VCr ₂ O ₆	1.45	K1.45	K1.45Li ₂ VCr ₂ O ₆
Li ₂ VCr ₃ O ₈	1.95	K1.95	K1.95Li ₂ VCr ₃ O ₈
Li ₂ VFe ₃ O ₈	1.33	K1.33	K1.33Li ₂ VFe ₃ O ₈
Li ₂ VGa ₃ O ₈	2.03	K2.03	K2.03Li ₂ VGa ₃ O ₈
Li ₂ VO ₃ F	0.8	K0.8	K0.8Li ₂ VO ₃ F
Li ₂ VO ₃ F	0.8	K0.8	K0.8Li ₂ VO ₃ F
Li ₂ VO ₃ F	0.85	K0.85	K0.85Li ₂ VO ₃ F
Li ₂ VOF ₅	0.95	K0.95	K0.95Li ₂ VOF ₅
Li ₂ VSi ₂ O ₇	1.08	K1.08	K1.08Li ₂ VSi ₂ O ₇
Li ₂ Zr ₇ Fe(PO ₄) ₁₂	6.63	K6.63	K6.63Li ₂ Zr ₇ Fe(PO ₄) ₁₂
Li ₃ (CoS ₂) ₄	1.32	K1.32	K1.32Li ₃ (CoS ₂) ₄
Li ₃ (CuO ₂) ₂	1.13	K1.13	K1.13Li ₃ (CuO ₂) ₂
Li ₃ (NiO ₂) ₄	1.22	K1.22	K1.22Li ₃ (NiO ₂) ₄

Li ₃ (NiO ₂) ₅	1.6	K1.6	K1.6Li ₃ (NiO ₂) ₅
Li ₃ Co ₂ Cu ₃ O ₁₀	1.92	K1.92	K1.92Li ₃ Co ₂ Cu ₃ O ₁₀
Li ₃ Co ₂ Ni ₃ O ₁₀	1.86	K1.86	K1.86Li ₃ Co ₂ Ni ₃ O ₁₀
Li ₃ Cr(PO ₄) ₂	1.13	K1.13	K1.13Li ₃ Cr(PO ₄) ₂
Li ₃ Cr ₂ Fe ₃ O ₁₀	1.98	K1.98	K1.98Li ₃ Cr ₂ Fe ₃ O ₁₀
Li ₃ Cr ₂ Fe ₅ O ₁₂	2.39	K2.39	K2.39Li ₃ Cr ₂ Fe ₅ O ₁₂
Li ₃ Cr ₂ P ₂ (CO ₇) ₂	1.98	K1.98	K1.98Li ₃ Cr ₂ P ₂ (CO ₇) ₂
Li ₃ Cr ₃ CuO ₈	1.3	K1.3	K1.3Li ₃ Cr ₃ CuO ₈
Li ₃ Cr ₃ GaO ₈	1.48	K1.48	K1.48Li ₃ Cr ₃ GaO ₈
Li ₃ Cr ₃ NiO ₈	1.38	K1.38	K1.38Li ₃ Cr ₃ NiO ₈
Li ₃ CrFe ₃ O ₈	1.36	K1.36	K1.36Li ₃ CrFe ₃ O ₈
Li ₃ CrNi ₃ O ₈	1.41	K1.41	K1.41Li ₃ CrNi ₃ O ₈
Li ₃ Cu(PO ₄) ₂	1.13	K1.13	K1.13Li ₃ Cu(PO ₄) ₂
Li ₃ Cu ₃ TeO ₈	1.43	K1.43	K1.43Li ₃ Cu ₃ TeO ₈
Li ₃ CuF ₆	0.85	K0.85	K0.85Li ₃ CuF ₆
Li ₃ CuNi ₃ O ₈	1.22	K1.22	K1.22Li ₃ CuNi ₃ O ₈
Li ₃ Fe(Ni ₂ O ₅) ₂	1.73	K1.73	K1.73Li ₃ Fe(Ni ₂ O ₅) ₂
Li ₃ Fe ₂ (PO ₄) ₃	1.31	K1.31	K1.31Li ₃ Fe ₂ (PO ₄) ₃
Li ₃ Fe ₂ (SiO ₄) ₂	1.29	K1.29	K1.29Li ₃ Fe ₂ (SiO ₄) ₂
Li ₃ Fe ₂ Ni ₃ O ₁₀	1.6	K1.6	K1.6Li ₃ Fe ₂ Ni ₃ O ₁₀
Li ₃ Fe ₂ P ₂ (CO ₇) ₂	1.98	K1.98	K1.98Li ₃ Fe ₂ P ₂ (CO ₇) ₂
Li ₃ Fe ₂ P ₂ (O ₄ F) ₂	1.39	K1.39	K1.39Li ₃ Fe ₂ P ₂ (O ₄ F) ₂
Li ₃ Fe ₃ (BO ₃) ₄	1.4	K1.4	K1.4Li ₃ Fe ₃ (BO ₃) ₄
Li ₃ Fe ₃ (SnO ₅) ₂	2.19	K2.19	K2.19Li ₃ Fe ₃ (SnO ₅) ₂

Li3Fe3O8	1.57	K1.57	K1.57Li3Fe3O8
Li3Fe3SbO8	1.36	K1.36	K1.36Li3Fe3SbO8
Li3Fe3TeO8	1.32	K1.32	K1.32Li3Fe3TeO8
Li3Fe3WO8	1.24	K1.24	K1.24Li3Fe3WO8
Li3Fe4(P2O7)4	4.17	K4.17	K4.17Li3Fe4(P2O7)4
Li3Fe4(Si3O10)2	3.73	K3.73	K3.73Li3Fe4(Si3O10)2
Li3Fe5(CoO6)2	2.45	K2.45	K2.45Li3Fe5(CoO6)2
Li3Fe5(NiO6)2	2.44	K2.44	K2.44Li3Fe5(NiO6)2
Li3Fe5O12	2.14	K2.14	K2.14Li3Fe5O12
Li3Fe7O12	2.53	K2.53	K2.53Li3Fe7O12
Li3Fe8(BO3)8	2.72	K2.72	K2.72Li3Fe8(BO3)8
Li3FeOF4	1.03	K1.03	K1.03Li3FeOF4
Li3La5Ti6Nb2O26	3.28	K3.28	K3.28Li3La5Ti6Nb2O26
Li3Mn2(CO5)2	1.26	K1.26	K1.26Li3Mn2(CO5)2
Li3Mn2(SiO4)2	1.26	K1.26	K1.26Li3Mn2(SiO4)2
Li3Mn2Fe(BO3)4	1.65	K1.65	K1.65Li3Mn2Fe(BO3)4
Li3Mn2Ni5O12	2.54	K2.54	K2.54Li3Mn2Ni5O12
Li3Mn2P2(CO7)2	2.16	K2.16	K2.16Li3Mn2P2(CO7)2
Li3Mn2V5O12	2.22	K2.22	K2.22Li3Mn2V5O12
Li3Mn3(BO3)4	1.46	K1.46	K1.46Li3Mn3(BO3)4
Li3Mn3(FeO5)2	1.72	K1.72	K1.72Li3Mn3(FeO5)2
Li3Mn3(PO4)4	2.69	K2.69	K2.69Li3Mn3(PO4)4
Li3Mn3O5F3	1.66	K1.66	K1.66Li3Mn3O5F3
Li3Mn3O8	1.13	K1.13	K1.13Li3Mn3O8

Li ₃ Mn ₃ WO ₈	1.31	K1.31	K1.31Li ₃ Mn ₃ WO ₈
Li ₃ Mn ₄ (BO ₃) ₄	1.62	K1.62	K1.62Li ₃ Mn ₄ (BO ₃) ₄
Li ₃ Mn ₄ O ₈	1.32	K1.32	K1.32Li ₃ Mn ₄ O ₈
Li ₃ Mn ₅ (CoO ₆) ₂	1.84	K1.84	K1.84Li ₃ Mn ₅ (CoO ₆) ₂
Li ₃ Mn ₇ O ₁₆	3.28	K3.28	K3.28Li ₃ Mn ₇ O ₁₆
Li ₃ MnCu ₃ O ₈	1.14	K1.14	K1.14Li ₃ MnCu ₃ O ₈
Li ₃ MnOF ₄	0.93	K0.93	K0.93Li ₃ MnOF ₄
Li ₃ MnP ₂ O ₉	1.2	K1.2	K1.2Li ₃ MnP ₂ O ₉
Li ₃ MnSi ₂ O ₇	1.23	K1.23	K1.23Li ₃ MnSi ₂ O ₇
Li ₃ MnV(PO ₄) ₃	1.3	K1.3	K1.3Li ₃ MnV(PO ₄) ₃
Li ₃ MnV ₃ O ₈	1.54	K1.54	K1.54Li ₃ MnV ₃ O ₈
Li ₃ Mo ₂ P ₅ O ₁₈	2.45	K2.45	K2.45Li ₃ Mo ₂ P ₅ O ₁₈
Li ₃ MoP ₂ O ₉	1.26	K1.26	K1.26Li ₃ MoP ₂ O ₉
Li ₃ Nb ₃ P ₈ O ₂₉	3.94	K3.94	K3.94Li ₃ Nb ₃ P ₈ O ₂₉
Li ₃ Nb ₃ TeO ₁₂	2.22	K2.22	K2.22Li ₃ Nb ₃ TeO ₁₂
Li ₃ NbFe ₃ O ₈	1.38	K1.38	K1.38Li ₃ NbFe ₃ O ₈
Li ₃ NbNi ₃ O ₈	1.12	K1.12	K1.12Li ₃ NbNi ₃ O ₈
Li ₃ NbV ₃ O ₈	1.23	K1.23	K1.23Li ₃ NbV ₃ O ₈
Li ₃ Ni ₂ (CO ₃) ₄	1.34	K1.34	K1.34Li ₃ Ni ₂ (CO ₃) ₄
Li ₃ Ni ₃ SbO ₈	1.33	K1.33	K1.33Li ₃ Ni ₃ SbO ₈
Li ₃ Sb ₂ P ₅ O ₁₈	3.27	K3.27	K3.27Li ₃ Sb ₂ P ₅ O ₁₈
Li ₃ Sb ₃ P ₈ O ₂₉	4.66	K4.66	K4.66Li ₃ Sb ₃ P ₈ O ₂₉
Li ₃ Si ₂ (NiO ₄) ₂	1.28	K1.28	K1.28Li ₃ Si ₂ (NiO ₄) ₂
Li ₃ Ti ₃ CrO ₈	1.52	K1.52	K1.52Li ₃ Ti ₃ CrO ₈

Li ₃ Ti ₄ O ₈	1.14	K1.14	K1.14Li ₃ Ti ₄ O ₈
Li ₃ TiFe ₃ O ₈	1.41	K1.41	K1.41Li ₃ TiFe ₃ O ₈
Li ₃ TiNi ₃ O ₈	1.19	K1.19	K1.19Li ₃ TiNi ₃ O ₈
Li ₃ V ₂ (NiO ₄) ₂	1.38	K1.38	K1.38Li ₃ V ₂ (NiO ₄) ₂
Li ₃ V ₂ (O ₂ F) ₂	1.19	K1.19	K1.19Li ₃ V ₂ (O ₂ F) ₂
Li ₃ V ₂ F ₁₂	1.56	K1.56	K1.56Li ₃ V ₂ F ₁₂
Li ₃ V ₂ Fe ₃ O ₁₀	1.76	K1.76	K1.76Li ₃ V ₂ Fe ₃ O ₁₀
Li ₃ V ₃ (FeO ₅) ₂	1.81	K1.81	K1.81Li ₃ V ₃ (FeO ₅) ₂
Li ₃ V ₃ (FeO ₆) ₂	2.1	K2.1	K2.1Li ₃ V ₃ (FeO ₆) ₂
Li ₃ V ₃ CoO ₈	1.61	K1.61	K1.61Li ₃ V ₃ CoO ₈
Li ₃ V ₃ Cr ₂ O ₁₀	1.93	K1.93	K1.93Li ₃ V ₃ Cr ₂ O ₁₀
Li ₃ V ₃ FeO ₈	1.5	K1.5	K1.5Li ₃ V ₃ FeO ₈
Li ₃ V ₃ P ₈ O ₂₉	4.26	K4.26	K4.26Li ₃ V ₃ P ₈ O ₂₉
Li ₃ V ₄ (PO ₄) ₆	3.47	K3.47	K3.47Li ₃ V ₄ (PO ₄) ₆
Li ₃ V ₇ O ₁₂	1.78	K1.78	K1.78Li ₃ V ₇ O ₁₂
Li ₃ VAs ₂ O ₉	1.07	K1.07	K1.07Li ₃ VAs ₂ O ₉
Li ₃ VFe ₃ O ₈	1.49	K1.49	K1.49Li ₃ VFe ₃ O ₈
Li ₃ VO ₃ F ₂	0.95	K0.95	K0.95Li ₃ VO ₃ F ₂
Li ₃ ZrNb(TeO ₆) ₂	2.13	K2.13	K2.13Li ₃ ZrNb(TeO ₆) ₂
Li ₄ (NiO ₂) ₁₁	4.55	K4.55	K4.55Li ₄ (NiO ₂) ₁₁
Li ₄ (NiO ₂) ₅	1.76	K1.76	K1.76Li ₄ (NiO ₂) ₅
Li ₄ Co ₁₃ O ₂₈	5.34	K5.34	K5.34Li ₄ Co ₁₃ O ₂₈
Li ₄ Co ₂ C ₄ SO ₁₆	1.83	K1.83	K1.83Li ₄ Co ₂ C ₄ SO ₁₆
Li ₄ Co ₂ Ni ₃ O ₁₀	1.39	K1.39	K1.39Li ₄ Co ₂ Ni ₃ O ₁₀

Li ₄ Co ₃ (NiO ₄) ₃	1.79	K1.79	K1.79Li ₄ Co ₃ (NiO ₄) ₃
Li ₄ Co ₃ Ni ₅ O ₁₆	3.57	K3.57	K3.57Li ₄ Co ₃ Ni ₅ O ₁₆
Li ₄ Co ₅ Ni ₃ O ₁₆	3.53	K3.53	K3.53Li ₄ Co ₅ Ni ₃ O ₁₆
Li ₄ Co ₅ O ₁₂	1.89	K1.89	K1.89Li ₄ Co ₅ O ₁₂
Li ₄ Co ₇ O ₁₆	3.1	K3.1	K3.1Li ₄ Co ₇ O ₁₆
Li ₄ CoCu ₃ (PO ₄) ₄	2.85	K2.85	K2.85Li ₄ CoCu ₃ (PO ₄) ₄
Li ₄ CoO ₄	0.83	K0.83	K0.83Li ₄ CoO ₄
Li ₄ CoO ₄	0.91	K0.91	K0.91Li ₄ CoO ₄
Li ₄ Cr ₂ C ₄ S ₂ O ₁₆	1.83	K1.83	K1.83Li ₄ Cr ₂ C ₄ S ₂ O ₁₆
Li ₄ Cr ₂ Fe ₃ Co ₃ O ₁₆	3.59	K3.59	K3.59Li ₄ Cr ₂ Fe ₃ Co ₃ O ₁₆
Li ₄ Cr ₂ Ni ₅ O ₁₂	1.81	K1.81	K1.81Li ₄ Cr ₂ Ni ₅ O ₁₂
Li ₄ Cr ₃ (FeO ₄) ₃	2.35	K2.35	K2.35Li ₄ Cr ₃ (FeO ₄) ₃
Li ₄ Fe ₂ C ₄ S ₂ O ₁₆	1.93	K1.93	K1.93Li ₄ Fe ₂ C ₄ S ₂ O ₁₆
Li ₄ Fe ₂ Co ₃ Ni ₃ O ₁₆	3.46	K3.46	K3.46Li ₄ Fe ₂ Co ₃ Ni ₃ O ₁₆
Li ₄ Fe ₂ Ni ₅ O ₁₂	1.66	K1.66	K1.66Li ₄ Fe ₂ Ni ₅ O ₁₂
Li ₄ Fe ₃ (NiO ₄) ₃	1.79	K1.79	K1.79Li ₄ Fe ₃ (NiO ₄) ₃
Li ₄ Fe ₃ (NiO ₅) ₂	1.23	K1.23	K1.23Li ₄ Fe ₃ (NiO ₅) ₂
Li ₄ Fe ₃ Co ₂ Ni ₃ O ₁₆	3.35	K3.35	K3.35Li ₄ Fe ₃ Co ₂ Ni ₃ O ₁₆
Li ₄ Fe ₃ Co ₃ (NiO ₈) ₂	3.37	K3.37	K3.37Li ₄ Fe ₃ Co ₃ (NiO ₈) ₂
Li ₄ Fe ₅ NiO ₁₂	1.59	K1.59	K1.59Li ₄ Fe ₅ NiO ₁₂
Li ₄ Fe ₉ CoO ₂₀	4.76	K4.76	K4.76Li ₄ Fe ₉ CoO ₂₀
Li ₄ FeCo ₃ O ₈	2	K2	K2Li ₄ FeCo ₃ O ₈
Li ₄ FeOF ₅	1.19	K1.19	K1.19Li ₄ FeOF ₅
Li ₄ Mn(Ni ₂ O ₅) ₂	1.29	K1.29	K1.29Li ₄ Mn(Ni ₂ O ₅) ₂

Li ₄ Mn ₂ Co ₃ O ₁₀	1.26	K1.26	K1.26Li ₄ Mn ₂ Co ₃ O ₁₀
Li ₄ Mn ₂ Fe ₃ Ni ₃ O ₁₆	3.1	K3.1	K3.1Li ₄ Mn ₂ Fe ₃ Ni ₃ O ₁₆
Li ₄ Mn ₂ Ni ₃ O ₁₀	1.32	K1.32	K1.32Li ₄ Mn ₂ Ni ₃ O ₁₀
Li ₄ Mn ₂ V ₃ Cr ₃ O ₁₆	3.3	K3.3	K3.3Li ₄ Mn ₂ V ₃ Cr ₃ O ₁₆
Li ₄ Mn ₃ (NiO ₄) ₃	1.7	K1.7	K1.7Li ₄ Mn ₃ (NiO ₄) ₃
Li ₄ Mn ₃ (SnO ₅) ₂	1.33	K1.33	K1.33Li ₄ Mn ₃ (SnO ₅) ₂
Li ₄ Mn ₃ Co ₂ Ni ₃ O ₁₆	2.77	K2.77	K2.77Li ₄ Mn ₃ Co ₂ Ni ₃ O ₁₆
Li ₄ Mn ₃ Cr ₂ Fe ₃ O ₁₆	3.14	K3.14	K3.14Li ₄ Mn ₃ Cr ₂ Fe ₃ O ₁₆
Li ₄ Mn ₃ Cr ₂ O ₁₀	1.83	K1.83	K1.83Li ₄ Mn ₃ Cr ₂ O ₁₀
Li ₄ Mn ₃ Cr ₃ (FeO ₈) ₂	2.72	K2.72	K2.72Li ₄ Mn ₃ Cr ₃ (FeO ₈) ₂
Li ₄ Mn ₃ Cr ₃ (NiO ₈) ₂	2.99	K2.99	K2.99Li ₄ Mn ₃ Cr ₃ (NiO ₈) ₂
Li ₄ Mn ₃ V ₅ O ₁₆	2.97	K2.97	K2.97Li ₄ Mn ₃ V ₅ O ₁₆
Li ₄ Mn ₅ (NiO ₆) ₂	1.47	K1.47	K1.47Li ₄ Mn ₅ (NiO ₆) ₂
Li ₄ Mn ₅ Ni ₃ O ₁₆	3.17	K3.17	K3.17Li ₄ Mn ₅ Ni ₃ O ₁₆
Li ₄ Mn ₅ O ₁₀	1.57	K1.57	K1.57Li ₄ Mn ₅ O ₁₀
Li ₄ Mn ₅ SbO ₁₂	1.56	K1.56	K1.56Li ₄ Mn ₅ SbO ₁₂
Li ₄ Mn ₇ O ₁₆	2.76	K2.76	K2.76Li ₄ Mn ₇ O ₁₆
Li ₄ NbFe ₅ O ₁₂	1.75	K1.75	K1.75Li ₄ NbFe ₅ O ₁₂
Li ₄ Ni ₃ (SnO ₅) ₂	1.35	K1.35	K1.35Li ₄ Ni ₃ (SnO ₅) ₂
Li ₄ Ti ₁₁ O ₂₄	3.25	K3.25	K3.25Li ₄ Ti ₁₁ O ₂₄
Li ₄ Ti ₁₅ O ₃₂	2.2	K2.2	K2.2Li ₄ Ti ₁₅ O ₃₂
Li ₄ Ti ₂ Fe ₃ Co ₃ O ₁₆	3.14	K3.14	K3.14Li ₄ Ti ₂ Fe ₃ Co ₃ O ₁₆
Li ₄ Ti ₂ Fe ₃ Ni ₃ O ₁₆	3.03	K3.03	K3.03Li ₄ Ti ₂ Fe ₃ Ni ₃ O ₁₆
Li ₄ Ti ₂ Fe ₅ O ₁₂	1.58	K1.58	K1.58Li ₄ Ti ₂ Fe ₅ O ₁₂

Li ₄ Ti ₂ Mn ₃ Ni ₃ O ₁₆	2.39	K2.39	K2.39Li ₄ Ti ₂ Mn ₃ Ni ₃ O ₁₆
Li ₄ Ti ₂ Ni ₃ O ₁₀	1.2	K1.2	K1.2Li ₄ Ti ₂ Ni ₃ O ₁₀
Li ₄ Ti ₂ V ₅ O ₁₂	1.27	K1.27	K1.27Li ₄ Ti ₂ V ₅ O ₁₂
Li ₄ Ti ₃ (CoO ₄) ₃	1.55	K1.55	K1.55Li ₄ Ti ₃ (CoO ₄) ₃
Li ₄ Ti ₃ (FeO ₄) ₃	1.66	K1.66	K1.66Li ₄ Ti ₃ (FeO ₄) ₃
Li ₄ Ti ₃ Co ₃ (NiO ₈) ₂	2.85	K2.85	K2.85Li ₄ Ti ₃ Co ₃ (NiO ₈) ₂
Li ₄ Ti ₃ O ₈	1.28	K1.28	K1.28Li ₄ Ti ₃ O ₈
Li ₄ Ti ₉ O ₂₀	2.63	K2.63	K2.63Li ₄ Ti ₉ O ₂₀
Li ₄ TiFe ₅ O ₁₂	1.65	K1.65	K1.65Li ₄ TiFe ₅ O ₁₂
Li ₄ V(CO ₃) ₄	1.17	K1.17	K1.17Li ₄ V(CO ₃) ₄
Li ₄ V ₁₁ O ₂₂	3.37	K3.37	K3.37Li ₄ V ₁₁ O ₂₂
Li ₄ V ₂ C ₄ S ₁₆ O ₁₆	1.55	K1.55	K1.55Li ₄ V ₂ C ₄ S ₁₆ O ₁₆
Li ₄ V ₂ Fe ₅ O ₁₂	1.35	K1.35	K1.35Li ₄ V ₂ Fe ₅ O ₁₂
Li ₄ V ₃ Cr ₃ O ₁₂	2.19	K2.19	K2.19Li ₄ V ₃ Cr ₃ O ₁₂
Li ₄ V ₃ Cr ₅ O ₁₆	3.66	K3.66	K3.66Li ₄ V ₃ Cr ₅ O ₁₆
Li ₄ V ₅ (FeO ₆) ₂	1.64	K1.64	K1.64Li ₄ V ₅ (FeO ₆) ₂
Li ₄ V ₅ Cr ₃ O ₁₆	3.32	K3.32	K3.32Li ₄ V ₅ Cr ₃ O ₁₆
Li ₄ V ₅ O ₉ F	1.24	K1.24	K1.24Li ₄ V ₅ O ₉ F
Li ₄ VO ₄ F	1.03	K1.03	K1.03Li ₄ VO ₄ F
Li ₄ VP ₂ (O ₄ F) ₂	1.28	K1.28	K1.28Li ₄ VP ₂ (O ₄ F) ₂
Li ₅ (CoO ₃) ₂	1.53	K1.53	K1.53Li ₅ (CoO ₃) ₂
Li ₅ Co ₄ (Si ₃ O ₁₀) ₂	3.26	K3.26	K3.26Li ₅ Co ₄ (Si ₃ O ₁₀) ₂
Li ₅ CoNi ₉ O ₂₀	3.86	K3.86	K3.86Li ₅ CoNi ₉ O ₂₀
Li ₅ Cr ₅ O ₁₂	1.89	K1.89	K1.89Li ₅ Cr ₅ O ₁₂

Li5Fe2P2(CO7)2	1.63	K1.63	K1.63Li5Fe2P2(CO7)2
Li5Fe5O12	2.15	K2.15	K2.15Li5Fe5O12
Li5FeS4	1	K1	K1Li5FeS4
Li5La3(SbO6)2	1.99	K1.99	K1.99Li5La3(SbO6)2
Li5La3Nb2O12	2.09	K2.09	K2.09Li5La3Nb2O12
Li5La4TiNb7O28	3	K3	K3Li5La4TiNb7O28
Li5Mn2P2(CO7)2	1.53	K1.53	K1.53Li5Mn2P2(CO7)2
Li5Mn5O12	1.98	K1.98	K1.98Li5Mn5O12
Li5Mn6O16	2.58	K2.58	K2.58Li5Mn6O16
Li5Mn8(BO3)8	2.75	K2.75	K2.75Li5Mn8(BO3)8
Li5MnO4	0.87	K0.87	K0.87Li5MnO4
Li5Ni9O16	3.6	K3.6	K3.6Li5Ni9O16
Li5NiO4	0.79	K0.79	K0.79Li5NiO4
Li5V2OF11	1.05	K1.05	K1.05Li5V2OF11
Li5VF8	1.14	K1.14	K1.14Li5VF8
Li6(CoO2)5	2.8	K2.8	K2.8Li6(CoO2)5
Li6CrFe3(PO4)6	3.16	K3.16	K3.16Li6CrFe3(PO4)6
Li6CrO6	1.07	K1.07	K1.07Li6CrO6
Li6CuO4	0.84	K0.84	K0.84Li6CuO4
Li6Fe3Co(PO4)6	3.09	K3.09	K3.09Li6Fe3Co(PO4)6
Li6Fe3Sn(PO4)6	2.37	K2.37	K2.37Li6Fe3Sn(PO4)6
Li6FeCo3(PO4)6	3.13	K3.13	K3.13Li6FeCo3(PO4)6
Li6FeNi9O20	3.27	K3.27	K3.27Li6FeNi9O20
Li6FeO5F	1.31	K1.31	K1.31Li6FeO5F

Li6FeO6	1.28	K1.28	K1.28Li6FeO6
Li6Mg(Ni6O13)2	4	K4	K4Li6Mg(Ni6O13)2
Li6Mn17O40	6.16	K6.16	K6.16Li6Mn17O40
Li6MnCo3(PO4)6	3.21	K3.21	K3.21Li6MnCo3(PO4)6
Li6MnNi7O16	2.34	K2.34	K2.34Li6MnNi7O16
Li6NbNi3(PO4)6	1.93	K1.93	K1.93Li6NbNi3(PO4)6
Li6Sn3P8O29	3.45	K3.45	K3.45Li6Sn3P8O29
Li6TiNi7O16	3.09	K3.09	K3.09Li6TiNi7O16
Li6VO5F	1.26	K1.26	K1.26Li6VO5F
Li7(CoO3)2	1.34	K1.34	K1.34Li7(CoO3)2
Li7(SnO3)4	2.37	K2.37	K2.37Li7(SnO3)4
Li7BiO6	1.03	K1.03	K1.03Li7BiO6
Li7Fe5O16	2.84	K2.84	K2.84Li7Fe5O16
Li7Mn(O2F)2	1.02	K1.02	K1.02Li7Mn(O2F)2
Li7NbO6	0.92	K0.92	K0.92Li7NbO6
Li7Ni(O2F)2	1	K1	K1Li7Ni(O2F)2
Li7Ni13O24	4.31	K4.31	K4.31Li7Ni13O24
Li7Ti12NbO30	0.83	K0.83	K0.83Li7Ti12NbO30
Li7Ti7Nb5O30	3.41	K3.41	K3.41Li7Ti7Nb5O30
Li7V16(PO4)24	5.74	K5.74	K5.74Li7V16(PO4)24
Li7VO5F	1.14	K1.14	K1.14Li7VO5F
Li8(CoO2)5	3.1	K3.1	K3.1Li8(CoO2)5
Li8(FeO2)5	2.9	K2.9	K2.9Li8(FeO2)5
Li8CoNi9O20	2.76	K2.76	K2.76Li8CoNi9O20

Li ₈ Fe ₃ Ni ₇ O ₂₀	2.74	K2.74	K2.74Li ₈ Fe ₃ Ni ₇ O ₂₀
Li ₈ TiMn ₃ (PO ₄) ₆	2.44	K2.44	K2.44Li ₈ TiMn ₃ (PO ₄) ₆
Li ₉ (FeO ₄) ₂	1.66	K1.66	K1.66Li ₉ (FeO ₄) ₂
Li ₉ (NiO ₄) ₂	1.25	K1.25	K1.25Li ₉ (NiO ₄) ₂
Li ₉ Cr ₄ (BO ₃) ₈	1.63	K1.63	K1.63Li ₉ Cr ₄ (BO ₃) ₈
Li ₉ Cu ₂ (HO ₂) ₄	1.16	K1.16	K1.16Li ₉ Cu ₂ (HO ₂) ₄
Li ₉ Fe ₄ (BO ₃) ₈	1.66	K1.66	K1.66Li ₉ Fe ₄ (BO ₃) ₈
Li ₉ La ₁₂ (SnO ₆) ₈	4.72	K4.72	K4.72Li ₉ La ₁₂ (SnO ₆) ₈
Li ₉ Ni ₁₅ O ₂₈	3.81	K3.81	K3.81Li ₉ Ni ₁₅ O ₂₈
LiAl ₂ FeO ₆	1.5	K1.5	K1.5LiAl ₂ FeO ₆
LiAlVO ₄	0.92	K0.92	K0.92LiAlVO ₄
LiCa ₂ Nb ₃ O ₁₀	1.87	K1.87	K1.87LiCa ₂ Nb ₃ O ₁₀
LiCdSb	0.96	K0.96	K0.96LiCdSb
LiCeSn	0.91	K0.91	K0.91LiCeSn
LiCo(CO ₃) ₂	1.02	K1.02	K1.02LiCo(CO ₃) ₂
LiCo(SiO ₃) ₂	1.34	K1.34	K1.34LiCo(SiO ₃) ₂
LiCo ₂ (BO ₃) ₂	1.23	K1.23	K1.23LiCo ₂ (BO ₃) ₂
LiCo ₂ CuO ₆	1.5	K1.5	K1.5LiCo ₂ CuO ₆
LiCo ₃ (SiO ₄) ₂	1.69	K1.69	K1.69LiCo ₃ (SiO ₄) ₂
LiCo ₃ CuO ₈	2.03	K2.03	K2.03LiCo ₃ CuO ₈
LiCoCO ₄	0.83	K0.83	K0.83LiCoCO ₄
LiCoCuO ₄	1	K1	K1LiCoCuO ₄
LiCoGeO ₄	1.16	K1.16	K1.16LiCoGeO ₄
LiCoH ₈ (CO ₅) ₂	1.36	K1.36	K1.36LiCoH ₈ (CO ₅) ₂

LiCoH8(SO6)2	1.64	K1.64	K1.64LiCoH8(SO6)2
LiCoNiO4	0.98	K0.98	K0.98LiCoNiO4
LiCoP2O7	1.3	K1.3	K1.3LiCoP2O7
LiCoPO4F	0.9	K0.9	K0.9LiCoPO4F
LiCoSiO4	0.96	K0.96	K0.96LiCoSiO4
LiCoSnO4	1.22	K1.22	K1.22LiCoSnO4
LiCr(Si2O5)2	1.59	K1.59	K1.59LiCr(Si2O5)2
LiCr(Si2O5)3	2.07	K2.07	K2.07LiCr(Si2O5)3
LiCr2(CO3)4	1.94	K1.94	K1.94LiCr2(CO3)4
LiCr2(PO4)2	1.46	K1.46	K1.46LiCr2(PO4)2
LiCr2(PO4)2	1.53	K1.53	K1.53LiCr2(PO4)2
LiCr2CoO6	1.75	K1.75	K1.75LiCr2CoO6
LiCr2O4	1.09	K1.09	K1.09LiCr2O4
LiCrAsCO7	1.49	K1.49	K1.49LiCrAsCO7
LiCrCoO4	1.16	K1.16	K1.16LiCrCoO4
LiCrCSO7	1.34	K1.34	K1.34LiCrCSO7
LiCrFeO4	1.14	K1.14	K1.14LiCrFeO4
LiCrNiO4	1.07	K1.07	K1.07LiCrNiO4
LiCrP2O7	1.26	K1.26	K1.26LiCrP2O7
LiCrPO4F	0.93	K0.93	K0.93LiCrPO4F
LiCu(HO)4	0.84	K0.84	K0.84LiCu(HO)4
LiCu(PO3)4	1.74	K1.74	K1.74LiCu(PO3)4
LiCu2(CO3)2	1.26	K1.26	K1.26LiCu2(CO3)2
LiCu2C2O7	1.29	K1.29	K1.29LiCu2C2O7

LiCu ₂ F ₆	1.12	K1.12	K1.12LiCu ₂ F ₆
LiCu ₂ P ₅ O ₁₆	2.81	K2.81	K2.81LiCu ₂ P ₅ O ₁₆
LiCu ₃ (CO ₃) ₃	1.55	K1.55	K1.55LiCu ₃ (CO ₃) ₃
LiCu ₅ F ₁₂	1.77	K1.77	K1.77LiCu ₅ F ₁₂
LiCuBO ₃	0.64	K0.64	K0.64LiCuBO ₃
LiCuF ₄	0.88	K0.88	K0.88LiCuF ₄
LiCuO ₂	0.53	K0.53	K0.53LiCuO ₂
LiCuP ₂ O ₇	1.22	K1.22	K1.22LiCuP ₂ O ₇
LiCuPCO ₇	1.3	K1.3	K1.3LiCuPCO ₇
LiCuPO ₄	1.01	K1.01	K1.01LiCuPO ₄
LiFe(SiO ₃) ₂	1.38	K1.38	K1.38LiFe(SiO ₃) ₂
LiFe(SO ₄) ₂	1.4	K1.4	K1.4LiFe(SO ₄) ₂
LiFe ₂ (CO ₃) ₃	1.54	K1.54	K1.54LiFe ₂ (CO ₃) ₃
LiFe ₂ (CO ₃) ₄	1.88	K1.88	K1.88LiFe ₂ (CO ₃) ₄
LiFe ₂ (CoO ₄) ₂	2.34	K2.34	K2.34LiFe ₂ (CoO ₄) ₂
LiFe ₂ (PO ₄) ₂	1.61	K1.61	K1.61LiFe ₂ (PO ₄) ₂
LiFe ₂ (PO ₄) ₃	2.13	K2.13	K2.13LiFe ₂ (PO ₄) ₃
LiFe ₂ C ₂ O ₇	1.17	K1.17	K1.17LiFe ₂ C ₂ O ₇
LiFe ₂ Si ₂ O ₇	1.41	K1.41	K1.41LiFe ₂ Si ₂ O ₇
LiFe ₃ (OF ₃) ₂	2.24	K2.24	K2.24LiFe ₃ (OF ₃) ₂
LiFe ₄ (BO ₃) ₄	1.32	K1.32	K1.32LiFe ₄ (BO ₃) ₄
LiFe ₈ (BO ₃) ₈	3.07	K3.07	K3.07LiFe ₈ (BO ₃) ₈
LiFeAsCO ₇	1.67	K1.67	K1.67LiFeAsCO ₇
LiFeCO ₄	0.87	K0.87	K0.87LiFeCO ₄

LiFeCuO4	0.91	K0.91	K0.91LiFeCuO4
LiFeF4	0.89	K0.89	K0.89LiFeF4
LiFeH8(SO6)2	1.53	K1.53	K1.53LiFeH8(SO6)2
LiFeNiO4	0.93	K0.93	K0.93LiFeNiO4
LiFeO3	0.69	K0.69	K0.69LiFeO3
LiFeP2O7	1.16	K1.16	K1.16LiFeP2O7
LiFePCO7	1.56	K1.56	K1.56LiFePCO7
LiFeS2	0.84	K0.84	K0.84LiFeS2
LiFeSiO4	0.85	K0.85	K0.85LiFeSiO4
LiFeSnO4	1.17	K1.17	K1.17LiFeSnO4
LiLa2Nb8O24	3.03	K3.03	K3.03LiLa2Nb8O24
LiLa5Ti8O24	2.91	K2.91	K2.91LiLa5Ti8O24
LiLa7(CuO7)2	3.01	K3.01	K3.01LiLa7(CuO7)2
LiLaNb4O12	2.89	K2.89	K2.89LiLaNb4O12
LiMn(PO4)2	1.41	K1.41	K1.41LiMn(PO4)2
LiMn(SO4)2	1.34	K1.34	K1.34LiMn(SO4)2
LiMn2(BO3)2	1.28	K1.28	K1.28LiMn2(BO3)2
LiMn2(CO3)4	2.17	K2.17	K2.17LiMn2(CO3)4
LiMn2(CO4)2	1.33	K1.33	K1.33LiMn2(CO4)2
LiMn2(P2O7)2	1.94	K1.94	K1.94LiMn2(P2O7)2
LiMn2(PO4)2	1.32	K1.32	K1.32LiMn2(PO4)2
LiMn2(PO4)3	2.12	K2.12	K2.12LiMn2(PO4)3
LiMn2(PO5)2	1.56	K1.56	K1.56LiMn2(PO5)2
LiMn2Cr2O8	1.92	K1.92	K1.92LiMn2Cr2O8

LiMn ₂ NiO ₆	1.67	K1.67	K1.67LiMn ₂ NiO ₆
LiMn ₃ (BO ₃) ₃	1.38	K1.38	K1.38LiMn ₃ (BO ₃) ₃
LiMn ₃ (OF ₃) ₂	2.21	K2.21	K2.21LiMn ₃ (OF ₃) ₂
LiMn ₃ (PO ₄) ₃	1.82	K1.82	K1.82LiMn ₃ (PO ₄) ₃
LiMn ₃ (PO ₄) ₄	3.16	K3.16	K3.16LiMn ₃ (PO ₄) ₄
LiMn ₃ O ₆	1.44	K1.44	K1.44LiMn ₃ O ₆
LiMn ₃ OF ₈	1.97	K1.97	K1.97LiMn ₃ OF ₈
LiMn ₄ (BO ₃) ₄	1.73	K1.73	K1.73LiMn ₄ (BO ₃) ₄
LiMn ₅ (CuO ₆) ₂	3.35	K3.35	K3.35LiMn ₅ (CuO ₆) ₂
LiMn ₅ O ₁₀	2.67	K2.67	K2.67LiMn ₅ O ₁₀
LiMn ₇ O ₁₂	3.7	K3.7	K3.7LiMn ₇ O ₁₂
LiMnAsCO ₇	1.76	K1.76	K1.76LiMnAsCO ₇
LiMnCr ₂ O ₆	1.92	K1.92	K1.92LiMnCr ₂ O ₆
LiMnF ₄	0.84	K0.84	K0.84LiMnF ₄
LiMnFeO ₄	1.11	K1.11	K1.11LiMnFeO ₄
LiMnH ₄ (SO ₅) ₂	1.61	K1.61	K1.61LiMnH ₄ (SO ₅) ₂
LiMnNbO ₄	0.97	K0.97	K0.97LiMnNbO ₄
LiMnNiO ₄	1.01	K1.01	K1.01LiMnNiO ₄
LiMnP ₂ O ₇	1.34	K1.34	K1.34LiMnP ₂ O ₇
LiMnPCO ₇	1.58	K1.58	K1.58LiMnPCO ₇
LiMnSnO ₄	1.24	K1.24	K1.24LiMnSnO ₄
LiMnV(PO ₄) ₃	1.73	K1.73	K1.73LiMnV(PO ₄) ₃
LiMnVO ₄	1.1	K1.1	K1.1LiMnVO ₄
LiMo(PO ₄) ₂	1.33	K1.33	K1.33LiMo(PO ₄) ₂

LiNb(PO ₄) ₂	1.41	K1.41	K1.41LiNb(PO ₄) ₂
LiNb(TeO ₄) ₃	3.12	K3.12	K3.12LiNb(TeO ₄) ₃
LiNb ₇ V ₁₂ O ₄₈	4.99	K4.99	K4.99LiNb ₇ V ₁₂ O ₄₈
LiNbF ₆	1.57	K1.57	K1.57LiNbF ₆
LiNbP ₄ O ₁₃	1.88	K1.88	K1.88LiNbP ₄ O ₁₃
LiNbTe ₂ WO ₁₂	2.84	K2.84	K2.84LiNbTe ₂ WO ₁₂
LiNbVO ₄	0.93	K0.93	K0.93LiNbVO ₄
LiNi(CO ₃) ₂	0.84	K0.84	K0.84LiNi(CO ₃) ₂
LiNiCSO ₇	1.36	K1.36	K1.36LiNiCSO ₇
LiNiP ₂ O ₇	1.3	K1.3	K1.3LiNiP ₂ O ₇
LiNiSnO ₄	1.19	K1.19	K1.19LiNiSnO ₄
LiP ₂ WO ₈	1.67	K1.67	K1.67LiP ₂ WO ₈
LiReO ₃	0.79	K0.79	K0.79LiReO ₃
LiSb(PO ₄) ₂	2.04	K2.04	K2.04LiSb(PO ₄) ₂
LiSb(TeO ₄) ₃	3.93	K3.93	K3.93LiSb(TeO ₄) ₃
LiSb ₂ (PO ₄) ₃	2.47	K2.47	K2.47LiSb ₂ (PO ₄) ₃
LiSbAu	0.78	K0.78	K0.78LiSbAu
LiSbTe ₂ WO ₁₂	3.09	K3.09	K3.09LiSbTe ₂ WO ₁₂
LiSn(PO ₃) ₄	1.93	K1.93	K1.93LiSn(PO ₃) ₄
LiSn ₂ (PO ₄) ₃	2.29	K2.29	K2.29LiSn ₂ (PO ₄) ₃
LiSn ₂ P ₄ H ₃ O ₁₆	3.12	K3.12	K3.12LiSn ₂ P ₄ H ₃ O ₁₆
LiSn ₂ P ₅ O ₁₆	3.39	K3.39	K3.39LiSn ₂ P ₅ O ₁₆
LiSnP ₂ O ₇	1.53	K1.53	K1.53LiSnP ₂ O ₇
LiTi(PO ₃) ₅	2.26	K2.26	K2.26LiTi(PO ₃) ₅

LiTi ₂ (PO ₄) ₃	1.29	K1.29	K1.29LiTi ₂ (PO ₄) ₃
LiTi ₂ Co ₃ O ₁₀	2.97	K2.97	K2.97LiTi ₂ Co ₃ O ₁₀
LiTi ₂ Mn ₃ O ₁₀	2.87	K2.87	K2.87LiTi ₂ Mn ₃ O ₁₀
LiTi ₂ O ₄	0.75	K0.75	K0.75LiTi ₂ O ₄
LiTi ₂ V ₃ O ₁₀	2.7	K2.7	K2.7LiTi ₂ V ₃ O ₁₀
LiTi ₂ V ₃ O ₁₂	2.34	K2.34	K2.34LiTi ₂ V ₃ O ₁₂
LiTi ₂ VO ₆	1.63	K1.63	K1.63LiTi ₂ VO ₆
LiTi ₃ V(PO ₄) ₆	3.83	K3.83	K3.83LiTi ₃ V(PO ₄) ₆
LiTi ₃ VO ₈	1.74	K1.74	K1.74LiTi ₃ VO ₈
LiTiCoO ₄	1.08	K1.08	K1.08LiTiCoO ₄
LiTiCrO ₄	1.05	K1.05	K1.05LiTiCrO ₄
LiTiFe ₂ O ₅	1.28	K1.28	K1.28LiTiFe ₂ O ₅
LiTiFeO ₄	1.03	K1.03	K1.03LiTiFeO ₄
LiTiMnO ₄	0.96	K0.96	K0.96LiTiMnO ₄
LiTiNiO ₄	0.87	K0.87	K0.87LiTiNiO ₄
LiTiPCO ₇	1.27	K1.27	K1.27LiTiPCO ₇
LiTiV ₂ O ₆	1.62	K1.62	K1.62LiTiV ₂ O ₆
LiTiV ₃ O ₁₀	2.33	K2.33	K2.33LiTiV ₃ O ₁₀
LiTiV ₃ O ₈	2.06	K2.06	K2.06LiTiV ₃ O ₈
LiTiVO ₄	0.79	K0.79	K0.79LiTiVO ₄
LiTiVO ₄	0.86	K0.86	K0.86LiTiVO ₄
LiTiVO ₅	1.21	K1.21	K1.21LiTiVO ₅
LiV(CO ₃) ₂	0.91	K0.91	K0.91LiV(CO ₃) ₂
LiV(OF) ₂	0.69	K0.69	K0.69LiV(OF) ₂

LiV(PO ₃) ₄	1.77	K1.77	K1.77LiV(PO ₃) ₄
LiV(PO ₄) ₂	1.2	K1.2	K1.2LiV(PO ₄) ₂
LiV(Si ₂ O ₅) ₃	2.13	K2.13	K2.13LiV(Si ₂ O ₅) ₃
LiV(TeO ₄) ₃	3.13	K3.13	K3.13LiV(TeO ₄) ₃
LiV ₂ (CO ₃) ₄	1.85	K1.85	K1.85LiV ₂ (CO ₃) ₄
LiV ₂ (CO ₄) ₂	1.28	K1.28	K1.28LiV ₂ (CO ₄) ₂
LiV ₂ (SiO ₄) ₂	1.58	K1.58	K1.58LiV ₂ (SiO ₄) ₂
LiV ₂ CrO ₆	1.6	K1.6	K1.6LiV ₂ CrO ₆
LiV ₂ F ₇	1.4	K1.4	K1.4LiV ₂ F ₇
LiV ₂ O ₄	1.01	K1.01	K1.01LiV ₂ O ₄
LiV ₂ P ₄ (HO ₈) ₂	2.19	K2.19	K2.19LiV ₂ P ₄ (HO ₈) ₂
LiV ₃ CoO ₁₀	2.36	K2.36	K2.36LiV ₃ CoO ₁₀
LiV ₃ CrO ₈	2.09	K2.09	K2.09LiV ₃ CrO ₈
LiV ₃ O ₈	1.84	K1.84	K1.84LiV ₃ O ₈
LiV ₃ OF ₁₁	2.62	K2.62	K2.62LiV ₃ OF ₁₁
LiV ₄ CuO ₁₂	2.39	K2.39	K2.39LiV ₄ CuO ₁₂
LiV ₅ O ₁₀	2.46	K2.46	K2.46LiV ₅ O ₁₀
LiVAsCO ₇	1.3	K1.3	K1.3LiVAsCO ₇
LiVCoO ₄	0.99	K0.99	K0.99LiVCoO ₄
LiVCrO ₄	1.13	K1.13	K1.13LiVCrO ₄
LiVF ₄	0.97	K0.97	K0.97LiVF ₄
LiVF ₆	1.09	K1.09	K1.09LiVF ₆
LiVFeO ₄	1.05	K1.05	K1.05LiVFeO ₄
LiVO ₃	0.84	K0.84	K0.84LiVO ₃

LiVOF4	0.88	K0.88	K0.88LiVOF4
LiVPCO7	1.08	K1.08	K1.08LiVPCO7
LiVPO4F	0.86	K0.86	K0.86LiVPO4F
LiVSi4(HO6)2	1.74	K1.74	K1.74LiVSi4(HO6)2
LiVSiCO7	1.31	K1.31	K1.31LiVSiCO7
LiVSiO5	0.84	K0.84	K0.84LiVSiO5
LiVTe(WO6)2	2.69	K2.69	K2.69LiVTe(WO6)2
Lu(NbCl3)6	3.19	K3.19	K3.19Lu(NbCl3)6
Mg(Fe5O8)2	3	K3	K3Mg(Fe5O8)2
Mg(NiO2)4	1.83	K1.83	K1.83Mg(NiO2)4
Mg2Mn3O8	1.72	K1.72	K1.72Mg2Mn3O8
Mg2Ni	0.7	K0.7	K0.7Mg2Ni
Mg3Cu9(SiO3)16	3.27	K3.27	K3.27Mg3Cu9(SiO3)16
MgCr3(SO4)6	3.51	K3.51	K3.51MgCr3(SO4)6
MgCr3Se2(SO6)4	4.59	K4.59	K4.59MgCr3Se2(SO6)4
MgCr3Se3(SO8)3	4.18	K4.18	K4.18MgCr3Se3(SO8)3
MgCu2(SiO3)4	2.13	K2.13	K2.13MgCu2(SiO3)4
MgSbPd	0.94	K0.94	K0.94MgSbPd
MgSbPt	0.88	K0.88	K0.88MgSbPt
MgSn	0.63	K0.63	K0.63MgSn
MgSnAu	0.88	K0.88	K0.88MgSnAu
Mn(CO3)2	1.16	K1.16	K1.16Mn(CO3)2
Mn(CoO2)4	2.96	K2.96	K2.96Mn(CoO2)4
Mn(CoO3)2	1.78	K1.78	K1.78Mn(CoO3)2

Mn(GeO ₃) ₂	1.71	K1.71	K1.71Mn(GeO ₃) ₂
Mn(PO ₃) ₃	2.2	K2.2	K2.2Mn(PO ₃) ₃
Mn(PO ₃) ₄	2.1	K2.1	K2.1Mn(PO ₃) ₄
Mn(SbO ₃) ₄	4.03	K4.03	K4.03Mn(SbO ₃) ₄
Mn(SiO ₃) ₂	1.65	K1.65	K1.65Mn(SiO ₃) ₂
Mn ₁₃ Cr ₃ O ₃₂	4.12	K4.12	K4.12Mn ₁₃ Cr ₃ O ₃₂
Mn ₁₃ Fe ₃ O ₃₂	3.65	K3.65	K3.65Mn ₁₃ Fe ₃ O ₃₂
Mn ₁₅ NiO ₃₂	3.33	K3.33	K3.33Mn ₁₅ NiO ₃₂
Mn ₁₅ O ₃₂	5.4	K5.4	K5.4Mn ₁₅ O ₃₂
Mn ₂ (SO ₄) ₃	2.03	K2.03	K2.03Mn ₂ (SO ₄) ₃
Mn ₂₁ O ₄₀	4.44	K4.44	K4.44Mn ₂₁ O ₄₀
Mn ₂ Co(PO ₄) ₃	2.2	K2.2	K2.2Mn ₂ Co(PO ₄) ₃
Mn ₂ Co ₃ Te ₃ O ₁₆	5.19	K5.19	K5.19Mn ₂ Co ₃ Te ₃ O ₁₆
Mn ₂ Co ₅ O ₁₂	3.66	K3.66	K3.66Mn ₂ Co ₅ O ₁₂
Mn ₂ CoO ₆	2.56	K2.56	K2.56Mn ₂ CoO ₆
Mn ₂ Cr ₃ O ₁₂	1.8	K1.8	K1.8Mn ₂ Cr ₃ O ₁₂
Mn ₂ Cr ₃ Sb ₃ O ₁₆	5.36	K5.36	K5.36Mn ₂ Cr ₃ Sb ₃ O ₁₆
Mn ₂ CrO ₆	1.57	K1.57	K1.57Mn ₂ CrO ₆
Mn ₂ Fe(PO ₄) ₃	2.08	K2.08	K2.08Mn ₂ Fe(PO ₄) ₃
Mn ₂ Fe ₃ Co ₃ O ₁₆	5.77	K5.77	K5.77Mn ₂ Fe ₃ Co ₃ O ₁₆
Mn ₂ Fe ₃ P ₆ WO ₂₄	3.29	K3.29	K3.29Mn ₂ Fe ₃ P ₆ WO ₂₄
Mn ₂ Fe ₃ Sb(PO ₄) ₆	3.82	K3.82	K3.82Mn ₂ Fe ₃ Sb(PO ₄) ₆
Mn ₂ Fe ₃ Sn(PO ₄) ₆	3.86	K3.86	K3.86Mn ₂ Fe ₃ Sn(PO ₄) ₆
Mn ₂ FeO ₆	2.47	K2.47	K2.47Mn ₂ FeO ₆

Mn ₂ NbNi ₃ (PO ₄) ₆	4.15	K4.15	K4.15Mn ₂ NbNi ₃ (PO ₄) ₆
Mn ₂ Ni(PO ₄) ₃	2.35	K2.35	K2.35Mn ₂ Ni(PO ₄) ₃
Mn ₂ O ₂ F ₃	0.98	K0.98	K0.98Mn ₂ O ₂ F ₃
Mn ₂ O ₃ F	0.98	K0.98	K0.98Mn ₂ O ₃ F
Mn ₂ O ₂ F ₃	0.86	K0.86	K0.86Mn ₂ O ₂ F ₃
Mn ₂ P ₂ O ₇ F ₂	2	K2	K2Mn ₂ P ₂ O ₇ F ₂
Mn ₂ P ₂ O ₉	1.85	K1.85	K1.85Mn ₂ P ₂ O ₉
Mn ₂ PO ₅	1.32	K1.32	K1.32Mn ₂ PO ₅
Mn ₂ Si ₂ O ₇	2.05	K2.05	K2.05Mn ₂ Si ₂ O ₇
Mn ₃ (P ₂ O ₇) ₂	2.94	K2.94	K2.94Mn ₃ (P ₂ O ₇) ₂
Mn ₃ (PO ₄) ₄	2.75	K2.75	K2.75Mn ₃ (PO ₄) ₄
Mn ₃ (SeO ₃) ₄	3.07	K3.07	K3.07Mn ₃ (SeO ₃) ₄
Mn ₃ Co ₂ Te ₃ O ₁₆	6	K6	K6Mn ₃ Co ₂ Te ₃ O ₁₆
Mn ₃ Co ₃ (SbO ₈) ₂	5.04	K5.04	K5.04Mn ₃ Co ₃ (SbO ₈) ₂
Mn ₃ Co ₃ (SnO ₈) ₂	6.41	K6.41	K6.41Mn ₃ Co ₃ (SnO ₈) ₂
Mn ₃ Co ₃ (TeO ₈) ₂	5.15	K5.15	K5.15Mn ₃ Co ₃ (TeO ₈) ₂
Mn ₃ CoO ₈	2.88	K2.88	K2.88Mn ₃ CoO ₈
Mn ₃ Cr(PO ₄) ₄	3.91	K3.91	K3.91Mn ₃ Cr(PO ₄) ₄
Mn ₃ Cr ₂ Sb ₃ O ₁₆	4.89	K4.89	K4.89Mn ₃ Cr ₂ Sb ₃ O ₁₆
Mn ₃ Cr ₂ Sn(PO ₄) ₆	4.08	K4.08	K4.08Mn ₃ Cr ₂ Sn(PO ₄) ₆
Mn ₃ Cr ₃ (CoO ₈) ₂	4.39	K4.39	K4.39Mn ₃ Cr ₃ (CoO ₈) ₂
Mn ₃ Cr ₃ (SnO ₈) ₂	5.77	K5.77	K5.77Mn ₃ Cr ₃ (SnO ₈) ₂
Mn ₃ Cr ₃ (TeO ₈) ₂	5.54	K5.54	K5.54Mn ₃ Cr ₃ (TeO ₈) ₂
Mn ₃ Cr ₃ (WO ₈) ₂	3.73	K3.73	K3.73Mn ₃ Cr ₃ (WO ₈) ₂

Mn3Cr5O16	4.08	K4.08	K4.08Mn3Cr5O16
Mn3CrCo2(PO4)6	3.95	K3.95	K3.95Mn3CrCo2(PO4)6
Mn3CrO8	2.41	K2.41	K2.41Mn3CrO8
Mn3Cu(PO4)4	3.85	K3.85	K3.85Mn3Cu(PO4)4
Mn3CuNi2(PO4)6	4.43	K4.43	K4.43Mn3CuNi2(PO4)6
Mn3CuO8	2.68	K2.68	K2.68Mn3CuO8
Mn3Fe(PO4)4	2.23	K2.23	K2.23Mn3Fe(PO4)4
Mn3Fe2Co3O16	5.39	K5.39	K5.39Mn3Fe2Co3O16
Mn3Fe2Sb3O16	5.95	K5.95	K5.95Mn3Fe2Sb3O16
Mn3Fe2Sn(PO4)6	3.94	K3.94	K3.94Mn3Fe2Sn(PO4)6
Mn3Fe3(SbO8)2	6	K6	K6Mn3Fe3(SbO8)2
Mn3Fe3(TeO8)2	5.09	K5.09	K5.09Mn3Fe3(TeO8)2
Mn3FeO8	2.87	K2.87	K2.87Mn3FeO8
Mn3Nb(PO4)4	3.25	K3.25	K3.25Mn3Nb(PO4)4
Mn3Nb2Co3O16	5.03	K5.03	K5.03Mn3Nb2Co3O16
Mn3Nb2Cr3O16	4.57	K4.57	K4.57Mn3Nb2Cr3O16
Mn3NbCr2(PO4)6	4.16	K4.16	K4.16Mn3NbCr2(PO4)6
Mn3NbFe2(PO4)6	3.84	K3.84	K3.84Mn3NbFe2(PO4)6
Mn3NbO8	2.1	K2.1	K2.1Mn3NbO8
Mn3Ni(PO4)4	4.08	K4.08	K4.08Mn3Ni(PO4)4
Mn3Ni3(TeO8)2	4.84	K4.84	K4.84Mn3Ni3(TeO8)2
Mn3NiO8	3.1	K3.1	K3.1Mn3NiO8
Mn3OF6	1.42	K1.42	K1.42Mn3OF6
Mn3P3O13	2.85	K2.85	K2.85Mn3P3O13

Mn3P6WO24	2.87	K2.87	K2.87Mn3P6WO24
Mn3Sb(PO4)4	4.54	K4.54	K4.54Mn3Sb(PO4)4
Mn3Sb(PO4)6	3.6	K3.6	K3.6Mn3Sb(PO4)6
Mn3SbO8	3.05	K3.05	K3.05Mn3SbO8
Mn3Si3O10	2.59	K2.59	K2.59Mn3Si3O10
Mn3Sn(PO4)4	3.44	K3.44	K3.44Mn3Sn(PO4)4
Mn3Sn3(TeO8)2	6.38	K6.38	K6.38Mn3Sn3(TeO8)2
Mn3TeO8	2.54	K2.54	K2.54Mn3TeO8
Mn3V(PO4)4	4.16	K4.16	K4.16Mn3V(PO4)4
Mn3V2Co3O16	5.45	K5.45	K5.45Mn3V2Co3O16
Mn3V2Cr3O16	4.21	K4.21	K4.21Mn3V2Cr3O16
Mn3V2O10	2.52	K2.52	K2.52Mn3V2O10
Mn3V3(TeO8)2	6.27	K6.27	K6.27Mn3V3(TeO8)2
Mn3VO8	2.07	K2.07	K2.07Mn3VO8
Mn4(P2O7)3	1.7	K1.7	K1.7Mn4(P2O7)3
Mn4(PO4)3	1.94	K1.94	K1.94Mn4(PO4)3
Mn4CoO8	3.02	K3.02	K3.02Mn4CoO8
Mn4CrO8	2.45	K2.45	K2.45Mn4CrO8
Mn4FeO8	2.96	K2.96	K2.96Mn4FeO8
Mn4NiO8	3.1	K3.1	K3.1Mn4NiO8
Mn4OF8	1.5	K1.5	K1.5Mn4OF8
Mn4P7O24	2.53	K2.53	K2.53Mn4P7O24
Mn4Si4O13	3	K3	K3Mn4Si4O13
Mn5(P3O11)2	3.62	K3.62	K3.62Mn5(P3O11)2

Mn5(SeO3)8	4.91	K4.91	K4.91Mn5(SeO3)8
Mn5(Si2O7)2	3.27	K3.27	K3.27Mn5(Si2O7)2
Mn5Co(PO4)6	3.99	K3.99	K3.99Mn5Co(PO4)6
Mn5Co3O16	4.86	K4.86	K4.86Mn5Co3O16
Mn5CoO12	4.21	K4.21	K4.21Mn5CoO12
Mn5Cr(PO4)6	4	K4	K4Mn5Cr(PO4)6
Mn5Cr2O12	3.57	K3.57	K3.57Mn5Cr2O12
Mn5Cr3O16	3.96	K3.96	K3.96Mn5Cr3O16
Mn5Cu(PO4)6	4.19	K4.19	K4.19Mn5Cu(PO4)6
Mn5CuO12	3.94	K3.94	K3.94Mn5CuO12
Mn5Fe(PO4)6	3.88	K3.88	K3.88Mn5Fe(PO4)6
Mn5Fe3O16	4.87	K4.87	K4.87Mn5Fe3O16
Mn5FeO12	3.81	K3.81	K3.81Mn5FeO12
Mn5Ni(PO4)6	3.99	K3.99	K3.99Mn5Ni(PO4)6
Mn5NiO12	3.84	K3.84	K3.84Mn5NiO12
Mn5O3F5	1.48	K1.48	K1.48Mn5O3F5
Mn5O5F	1.42	K1.42	K1.42Mn5O5F
Mn5O7F	1.5	K1.5	K1.5Mn5O7F
Mn5O8	2.48	K2.48	K2.48Mn5O8
Mn5O9F	2.2	K2.2	K2.2Mn5O9F
Mn5OF11	2.75	K2.75	K2.75Mn5OF11
Mn5P6WO24	3.15	K3.15	K3.15Mn5P6WO24
Mn5Sb(PO4)6	4.24	K4.24	K4.24Mn5Sb(PO4)6
Mn5Sb3O16	5.02	K5.02	K5.02Mn5Sb3O16

Mn5Sn(PO4)6	4.09	K4.09	K4.09Mn5Sn(PO4)6
Mn5SnO12	3.77	K3.77	K3.77Mn5SnO12
Mn5Te3O16	5.35	K5.35	K5.35Mn5Te3O16
Mn5V(PO4)6	4.41	K4.41	K4.41Mn5V(PO4)6
Mn7(OF3)3	2.56	K2.56	K2.56Mn7(OF3)3
Mn7(P2O7)4	5	K5	K5Mn7(P2O7)4
Mn7(PO4)6	4.92	K4.92	K4.92Mn7(PO4)6
Mn7F16	2.33	K2.33	K2.33Mn7F16
Mn7Fe3O20	5.12	K5.12	K5.12Mn7Fe3O20
Mn7Nb(PO4)12	5.92	K5.92	K5.92Mn7Nb(PO4)12
Mn7O12	2.91	K2.91	K2.91Mn7O12
Mn7O7F	1.92	K1.92	K1.92Mn7O7F
Mn7Sb(PO4)12	5.75	K5.75	K5.75Mn7Sb(PO4)12
Mn7V(PO4)12	5.7	K5.7	K5.7Mn7V(PO4)12
Mn9(P2O7)8	3.88	K3.88	K3.88Mn9(P2O7)8
MnAs	0.8	K0.8	K0.8MnAs
MnCo(PO4)2	2.41	K2.41	K2.41MnCo(PO4)2
MnCo3(PO4)4	4	K4	K4MnCo3(PO4)4
MnCo3O8	1.95	K1.95	K1.95MnCo3O8
MnCo5O12	4.03	K4.03	K4.03MnCo5O12
MnCoO4	1.33	K1.33	K1.33MnCoO4
MnCr(PO4)2	1.7	K1.7	K1.7MnCr(PO4)2
MnCr2Fe3(PO4)6	4.12	K4.12	K4.12MnCr2Fe3(PO4)6
MnCr3(PO4)4	3.35	K3.35	K3.35MnCr3(PO4)4

MnCr3O8	1.7	K1.7	K1.7MnCr3O8
MnCSO7	2.02	K2.02	K2.02MnCSO7
MnF3	0.58	K0.58	K0.58MnF3
MnFe(PO4)2	1.59	K1.59	K1.59MnFe(PO4)2
MnFe2(PO4)3	1.95	K1.95	K1.95MnFe2(PO4)3
MnFe3(PO4)4	3.8	K3.8	K3.8MnFe3(PO4)4
MnFe7(PO4)8	5.09	K5.09	K5.09MnFe7(PO4)8
MnFeCo(PO4)3	2.71	K2.71	K2.71MnFeCo(PO4)3
MnH4(SO5)2	2.01	K2.01	K2.01MnH4(SO5)2
MnH6(S2O9)2	2.71	K2.71	K2.71MnH6(S2O9)2
MnH8(SO6)2	1.7	K1.7	K1.7MnH8(SO6)2
MnNb4O12	2.87	K2.87	K2.87MnNb4O12
MnNi(PO4)2	1.97	K1.97	K1.97MnNi(PO4)2
MnNi3(PO4)4	3.94	K3.94	K3.94MnNi3(PO4)4
MnO2	0.72	K0.72	K0.72MnO2
MnO2	0.66	K0.66	K0.66MnO2
MnP2HO7	1.68	K1.68	K1.68MnP2HO7
MnP2O7	1.76	K1.76	K1.76MnP2O7
MnPHO5	1.43	K1.43	K1.43MnPHO5
MnPO4	0.77	K0.77	K0.77MnPO4
MnPO4F	1.1	K1.1	K1.1MnPO4F
MnS2	0.76	K0.76	K0.76MnS2
MnSn(PO4)2	2.11	K2.11	K2.11MnSn(PO4)2
MnV(P2O7)2	3.16	K3.16	K3.16MnV(P2O7)2

MnV(PO ₄) ₂	1.9	K1.9	K1.9MnV(PO ₄) ₂
MnV ₂ (PO ₄) ₃	2.08	K2.08	K2.08MnV ₂ (PO ₄) ₃
MnV ₃ (PO ₄) ₄	4.14	K4.14	K4.14MnV ₃ (PO ₄) ₄
MnV ₃ O ₈	2.43	K2.43	K2.43MnV ₃ O ₈
MnV ₄ CoO ₁₂	3.2	K3.2	K3.2MnV ₄ CoO ₁₂
MnV ₄ CuO ₁₂	3.15	K3.15	K3.15MnV ₄ CuO ₁₂
MnV ₄ FeO ₁₂	3.49	K3.49	K3.49MnV ₄ FeO ₁₂
MnV ₄ NiO ₁₂	3.07	K3.07	K3.07MnV ₄ NiO ₁₂
MnV ₄ O ₁₂	2.9	K2.9	K2.9MnV ₄ O ₁₂
MnV ₅ O ₁₂	3.71	K3.71	K3.71MnV ₅ O ₁₂
MnVO ₄	1.27	K1.27	K1.27MnVO ₄
MnVP ₂ (O ₄ F) ₂	2.64	K2.64	K2.64MnVP ₂ (O ₄ F) ₂
Mo(PO ₃) ₄	1.91	K1.91	K1.91Mo(PO ₃) ₄
Mo(PO ₄) ₂	1.16	K1.16	K1.16Mo(PO ₄) ₂
Mo ₁₅ S ₁₉	2.32	K2.32	K2.32Mo ₁₅ S ₁₉
Mo ₁₅ Se ₁₉	1.9	K1.9	K1.9Mo ₁₅ Se ₁₉
Mo ₂ (PO ₄) ₃	1.9	K1.9	K1.9Mo ₂ (PO ₄) ₃
Mo ₂ P ₂ O ₁₁	2.52	K2.52	K2.52Mo ₂ P ₂ O ₁₁
Mo ₂ P ₂ O ₉	1.97	K1.97	K1.97Mo ₂ P ₂ O ₉
Mo ₂ P ₃ O ₁₃	1.87	K1.87	K1.87Mo ₂ P ₃ O ₁₃
Mo ₃ O ₈	2.46	K2.46	K2.46Mo ₃ O ₈
Mo ₃ P ₃ O ₁₃	2.95	K2.95	K2.95Mo ₃ P ₃ O ₁₃
Mo ₃ S ₄	1.93	K1.93	K1.93Mo ₃ S ₄
Mo ₃ Se ₄	2.41	K2.41	K2.41Mo ₃ Se ₄

Mo4P5O24	3.16	K3.16	K3.16Mo4P5O24
Mo4P9O32	3.54	K3.54	K3.54Mo4P9O32
MoO2	0.5	K0.5	K0.5MoO2
MoP2O7	1.36	K1.36	K1.36MoP2O7
MoPO5	1.04	K1.04	K1.04MoPO5
Na(NbSe2)2	2.19	K2.19	K2.19Na(NbSe2)2
Na2(CrSe2)3	2.56	K2.56	K2.56Na2(CrSe2)3
Na2Bi2C4S016	2.62	K2.62	K2.62Na2Bi2C4S016
Na2BiBAsO7	1.27	K1.27	K1.27Na2BiBAsO7
Na2BiBPO7	1.17	K1.17	K1.17Na2BiBPO7
Na2C	0.24	K0.24	K0.24Na2C
Na2CaVP2O9	1.16	K1.16	K1.16Na2CaVP2O9
Na2CoBAsO7	1.36	K1.36	K1.36Na2CoBAsO7
Na2CoO3	1.11	K1.11	K1.11Na2CoO3
Na2CoSiCO7	1.23	K1.23	K1.23Na2CoSiCO7
Na2CuAsCO7	1.41	K1.41	K1.41Na2CuAsCO7
Na2CuBSO7	1.17	K1.17	K1.17Na2CuBSO7
Na2CuP2O7	1.27	K1.27	K1.27Na2CuP2O7
Na2CuPCO7	1.3	K1.3	K1.3Na2CuPCO7
Na2FeBAsO7	1.35	K1.35	K1.35Na2FeBAsO7
Na2FeBPO7	1.23	K1.23	K1.23Na2FeBPO7
Na2FeO4	1.1	K1.1	K1.1Na2FeO4
Na2Mn(PO3)5	1.98	K1.98	K1.98Na2Mn(PO3)5
Na2MnBAsO7	1.36	K1.36	K1.36Na2MnBAsO7

Na ₂ MnBPO ₇	1.23	K1.23	K1.23Na ₂ MnBPO ₇
Na ₂ MnBSO ₇	1.29	K1.29	K1.29Na ₂ MnBSO ₇
Na ₂ MnCoNiO ₆	1.41	K1.41	K1.41Na ₂ MnCoNiO ₆
Na ₂ MnPCO ₇	1.23	K1.23	K1.23Na ₂ MnPCO ₇
Na ₂ Ni ₂ O ₅	1.16	K1.16	K1.16Na ₂ Ni ₂ O ₅
Na ₂ NiO ₂	0.88	K0.88	K0.88Na ₂ NiO ₂
Na ₂ SiBiBO ₇	1.17	K1.17	K1.17Na ₂ SiBiBO ₇
Na ₂ SiBSbO ₇	1.38	K1.38	K1.38Na ₂ SiBSbO ₇
Na ₂ SiSnCO ₇	1.25	K1.25	K1.25Na ₂ SiSnCO ₇
Na ₂ SrVP ₂ O ₉	1.2	K1.2	K1.2Na ₂ SrVP ₂ O ₉
Na ₂ Ti ₄ O ₉	1.5	K1.5	K1.5Na ₂ Ti ₄ O ₉
Na ₂ TIPCO ₇	1.25	K1.25	K1.25Na ₂ TIPCO ₇
Na ₂ V ₃ P ₂ O ₁₃	1.7	K1.7	K1.7Na ₂ V ₃ P ₂ O ₁₃
Na ₂ VBA ₅ O ₇	1.13	K1.13	K1.13Na ₂ VBA ₅ O ₇
Na ₂ VBPO ₇	0.94	K0.94	K0.94Na ₂ VBPO ₇
Na ₂ VPO ₆	1.03	K1.03	K1.03Na ₂ VPO ₆
Na ₃ (CuO ₂) ₂	1.24	K1.24	K1.24Na ₃ (CuO ₂) ₂
Na ₃ CuPCO ₇	1.26	K1.26	K1.26Na ₃ CuPCO ₇
Na ₃ Fe ₂ P(CO ₄) ₄	2.38	K2.38	K2.38Na ₃ Fe ₂ P(CO ₄) ₄
Na ₃ Fe ₃ (PO ₄) ₄	2.26	K2.26	K2.26Na ₃ Fe ₃ (PO ₄) ₄
Na ₃ Li ₄ Mn ₅ O ₉	2.29	K2.29	K2.29Na ₃ Li ₄ Mn ₅ O ₉
Na ₃ Mn ₂ P ₂ (CO ₇) ₂	1.7	K1.7	K1.7Na ₃ Mn ₂ P ₂ (CO ₇) ₂
Na ₃ MnBPO ₇	1.12	K1.12	K1.12Na ₃ MnBPO ₇
Na ₃ SbP ₂ O ₉	1.66	K1.66	K1.66Na ₃ SbP ₂ O ₉

Na4B4Sb2SO16	1.71	K1.71	K1.71Na4B4Sb2SO16
Na4Bi2As(CO4)4	2.18	K2.18	K2.18Na4Bi2As(CO4)4
Na4Bi2B4SO16	1.64	K1.64	K1.64Na4Bi2B4SO16
Na4Bi2P(CO4)4	2.14	K2.14	K2.14Na4Bi2P(CO4)4
Na4Co2P(CO4)4	2.04	K2.04	K2.04Na4Co2P(CO4)4
Na4Cr2As(CO4)4	2.13	K2.13	K2.13Na4Cr2As(CO4)4
Na4Cr2C4SO16	2.08	K2.08	K2.08Na4Cr2C4SO16
Na4Cr2P(CO4)4	1.99	K1.99	K1.99Na4Cr2P(CO4)4
Na4Cu2C4SO16	1.85	K1.85	K1.85Na4Cu2C4SO16
Na4Fe2As(CO4)4	2.25	K2.25	K2.25Na4Fe2As(CO4)4
Na4Mn2As(CO4)4	2.34	K2.34	K2.34Na4Mn2As(CO4)4
Na4Mn2P(CO4)4	2.17	K2.17	K2.17Na4Mn2P(CO4)4
Na4Sn2C4SO16	2.08	K2.08	K2.08Na4Sn2C4SO16
Na4Ti11O24	3.78	K3.78	K3.78Na4Ti11O24
Na4Ti3O8	1.45	K1.45	K1.45Na4Ti3O8
Na4V2C4SO16	1.77	K1.77	K1.77Na4V2C4SO16
Na4V2P(CO4)4	1.73	K1.73	K1.73Na4V2P(CO4)4
Na5Co2As(CO4)4	1.75	K1.75	K1.75Na5Co2As(CO4)4
Na5Cu7O13	1.85	K1.85	K1.85Na5Cu7O13
Na5CuO4	1.22	K1.22	K1.22Na5CuO4
Na5Fe2P2(CO7)2	2.05	K2.05	K2.05Na5Fe2P2(CO7)2
Na5Fe6(SiO3)12	3.84	K3.84	K3.84Na5Fe6(SiO3)12
Na5Mn2O8	1.63	K1.63	K1.63Na5Mn2O8
Na5Mn2P2(CO7)2	1.81	K1.81	K1.81Na5Mn2P2(CO7)2

Na ₅ Ni ₂ As(CO ₄) ₄	1.78	K1.78	K1.78Na ₅ Ni ₂ As(CO ₄) ₄
Na ₅ Ni ₂ P ₂ (CO ₇) ₂	1.89	K1.89	K1.89Na ₅ Ni ₂ P ₂ (CO ₇) ₂
Na ₅ Sn ₂ P(CO ₄) ₄	1.52	K1.52	K1.52Na ₅ Sn ₂ P(CO ₄) ₄
Na ₉ Fe ₁₀ (SiO ₃) ₂₀	3.78	K3.78	K3.78Na ₉ Fe ₁₀ (SiO ₃) ₂₀
NaBiAsCO ₇	1.84	K1.84	K1.84NaBiAsCO ₇
NaBiF ₆	1.55	K1.55	K1.55NaBiF ₆
NaCePCO ₇	1.24	K1.24	K1.24NaCePCO ₇
NaCoAsCO ₇	1.69	K1.69	K1.69NaCoAsCO ₇
NaCoCSO ₇	1.53	K1.53	K1.53NaCoCSO ₇
NaCoPCO ₇	1.48	K1.48	K1.48NaCoPCO ₇
NaCrAsCO ₇	1.65	K1.65	K1.65NaCrAsCO ₇
NaCrCSO ₇	1.48	K1.48	K1.48NaCrCSO ₇
NaCrF ₆	1.45	K1.45	K1.45NaCrF ₆
NaCrPCO ₇	1.46	K1.46	K1.46NaCrPCO ₇
NaCu(PO ₃) ₃	1.37	K1.37	K1.37NaCu(PO ₃) ₃
NaCuCSO ₇	1.47	K1.47	K1.47NaCuCSO ₇
NaCuO ₂	0.68	K0.68	K0.68NaCuO ₂
NaCuP ₂ O ₇	1.29	K1.29	K1.29NaCuP ₂ O ₇
NaFePCO ₇	1.58	K1.58	K1.58NaFePCO ₇
NaGePCO ₇	1.76	K1.76	K1.76NaGePCO ₇
NaMn ₄ O ₈	2.16	K2.16	K2.16NaMn ₄ O ₈
NaMnPCO ₇	1.69	K1.69	K1.69NaMnPCO ₇
NaNdPCO ₇	1.23	K1.23	K1.23NaNdPCO ₇
NaSbF ₆	1.63	K1.63	K1.63NaSbF ₆

NaSiSbCO7	1.91	K1.91	K1.91NaSiSbCO7
NaSn	0.42	K0.42	K0.42NaSn
NaSnAsCO7	2.02	K2.02	K2.02NaSnAsCO7
NaSnPCO7	1.78	K1.78	K1.78NaSnPCO7
NaTi2(PO4)3	1.53	K1.53	K1.53NaTi2(PO4)3
NaTiPCO7	1.34	K1.34	K1.34NaTiPCO7
NaV2(PO4)3	1.84	K1.84	K1.84NaV2(PO4)3
NaV3O8	1.79	K1.79	K1.79NaV3O8
NaV3P2O13	1.73	K1.73	K1.73NaV3P2O13
NaVAsCO7	1.55	K1.55	K1.55NaVAsCO7
NaVCSO7	1.24	K1.24	K1.24NaVCSO7
NaVPCO7	1.41	K1.41	K1.41NaVPCO7
Nb(PO3)4	2.66	K2.66	K2.66Nb(PO3)4
Nb2(PO4)3	1.94	K1.94	K1.94Nb2(PO4)3
Nb3S4	1.33	K1.33	K1.33Nb3S4
Nb3Se4	1.72	K1.72	K1.72Nb3Se4
Nb3Te4	1.82	K1.82	K1.82Nb3Te4
Nb4VO12	2.99	K2.99	K2.99Nb4VO12
NbCr3(PO4)6	3.34	K3.34	K3.34NbCr3(PO4)6
NbF5	0.78	K0.78	K0.78NbF5
NbFe3Cu2(PO4)6	4.08	K4.08	K4.08NbFe3Cu2(PO4)6
NbFe5(PO4)6	3.62	K3.62	K3.62NbFe5(PO4)6
NbFeO4	1.12	K1.12	K1.12NbFeO4
NbO2	0.73	K0.73	K0.73NbO2

NbO ₂ F	0.88	K0.88	K0.88NbO ₂ F
NbO ₃	0.94	K0.94	K0.94NbO ₃
NbPO ₅	1.19	K1.19	K1.19NbPO ₅
NbS ₂	0.81	K0.81	K0.81NbS ₂
NbSe ₂	1.09	K1.09	K1.09NbSe ₂
NbV ₃ (PO ₄) ₆	3.53	K3.53	K3.53NbV ₃ (PO ₄) ₆
NbV ₃ O ₈	1.8	K1.8	K1.8NbV ₃ O ₈
NbWO ₇	1.34	K1.34	K1.34NbWO ₇
Ni	0.13	K0.13	K0.13Ni
Ni(PS ₃) ₂	1.98	K1.98	K1.98Ni(PS ₃) ₂
Ni ₂ P ₂ O ₉	1.91	K1.91	K1.91Ni ₂ P ₂ O ₉
Ni ₃ (P ₂ O ₇) ₂	2.58	K2.58	K2.58Ni ₃ (P ₂ O ₇) ₂
Ni ₃ O ₄	0.9	K0.9	K0.9Ni ₃ O ₄
Ni ₃ O ₄	1.08	K1.08	K1.08Ni ₃ O ₄
Ni ₃ P ₃ O ₁₁	1.78	K1.78	K1.78Ni ₃ P ₃ O ₁₁
Ni ₃ P ₄ O ₁₅	2.08	K2.08	K2.08Ni ₃ P ₄ O ₁₅
Ni ₃ Sb(PO ₄) ₄	4.28	K4.28	K4.28Ni ₃ Sb(PO ₄) ₄
Ni ₃ Sn(PO ₄) ₄	3.86	K3.86	K3.86Ni ₃ Sn(PO ₄) ₄
Ni ₄ (PO ₄) ₃	2.29	K2.29	K2.29Ni ₄ (PO ₄) ₃
Ni ₄ P ₄ O ₁₅	1.62	K1.62	K1.62Ni ₄ P ₄ O ₁₅
Ni ₅ O ₆	1.19	K1.19	K1.19Ni ₅ O ₆
Ni ₆ O ₇	1.23	K1.23	K1.23Ni ₆ O ₇
Ni ₉ O ₁₀	1.45	K1.45	K1.45Ni ₉ O ₁₀
Ni ₉ S ₁₀	2.14	K2.14	K2.14Ni ₉ S ₁₀

NiCO ₄	0.79	K0.79	K0.79NiCO ₄
NiH ₈ (CO ₅) ₂	1.64	K1.64	K1.64NiH ₈ (CO ₅) ₂
NiO ₂	0.7	K0.7	K0.7NiO ₂
NiPO ₄	1.17	K1.17	K1.17NiPO ₄
NiS ₂	0.73	K0.73	K0.73NiS ₂
NiSn(PO ₄) ₂	1.82	K1.82	K1.82NiSn(PO ₄) ₂
P(W ₃ O ₁₀) ₄	1.42	K1.42	K1.42P(W ₃ O ₁₀) ₄
P(WO ₄) ₂	1.41	K1.41	K1.41P(WO ₄) ₂
P ₂ WO ₇	1.43	K1.43	K1.43P ₂ WO ₇
P ₂ WO ₈	1.07	K1.07	K1.07P ₂ WO ₈
P ₃ (WO ₆) ₂	1.82	K1.82	K1.82P ₃ (WO ₆) ₂
P ₃ W ₂ O ₁₃	1.68	K1.68	K1.68P ₃ W ₂ O ₁₃
P ₄ WO ₁₂	1.56	K1.56	K1.56P ₄ WO ₁₂
P ₅ WO ₁₅	1.71	K1.71	K1.71P ₅ WO ₁₅
P ₈ W ₃ O ₂₉	2.74	K2.74	K2.74P ₈ W ₃ O ₂₉
PrTi ₂ O ₆	1.15	K1.15	K1.15PrTi ₂ O ₆
PWO ₅	1.1	K1.1	K1.1PWO ₅
Rb ₂ CoF ₆	1.42	K1.42	K1.42Rb ₂ CoF ₆
Rb ₂ CrF ₆	1.78	K1.78	K1.78Rb ₂ CrF ₆
Rb ₂ CuF ₆	1.46	K1.46	K1.46Rb ₂ CuF ₆
Rb ₂ MoBr ₆	2.65	K2.65	K2.65Rb ₂ MoBr ₆
Rb ₂ NiF ₆	1.38	K1.38	K1.38Rb ₂ NiF ₆
Rb ₂ SbBr ₆	2.5	K2.5	K2.5Rb ₂ SbBr ₆
Rb ₂ SbCl ₆	1.84	K1.84	K1.84Rb ₂ SbCl ₆

Rb ₂ VCl ₆	1.7	K1.7	K1.7Rb ₂ VCl ₆
Rb ₂ VF ₆	1.49	K1.49	K1.49Rb ₂ VF ₆
RbSb	1.3	K1.3	K1.3RbSb
RbV(PO ₄) ₂	1.58	K1.58	K1.58RbV(PO ₄) ₂
RbVPO ₅	1.06	K1.06	K1.06RbVPO ₅
ReO ₃	0.83	K0.83	K0.83ReO ₃
Sb	0.32	K0.32	K0.32Sb
Sb(PO ₃) ₄	1.47	K1.47	K1.47Sb(PO ₃) ₄
Sb(SO ₄) ₂	1.07	K1.07	K1.07Sb(SO ₄) ₂
Sb ₁₁ S ₁₈	3.92	K3.92	K3.92Sb ₁₁ S ₁₈
Sb ₁₇ S ₂₇	3.41	K3.41	K3.41Sb ₁₇ S ₂₇
Sb ₂ (PO ₄) ₃	1.83	K1.83	K1.83Sb ₂ (PO ₄) ₃
Sb ₂ P ₅ O ₁₆	2.07	K2.07	K2.07Sb ₂ P ₅ O ₁₆
SbN ₃ (O ₃ F) ₃	1.6	K1.6	K1.6SbN ₃ (O ₃ F) ₃
SbO ₃	0.8	K0.8	K0.8SbO ₃
SbP(OF ₃) ₂	1.63	K1.63	K1.63SbP(OF ₃) ₂
SbP ₂ O ₇	0.94	K0.94	K0.94SbP ₂ O ₇
SbPHO ₅	1.07	K1.07	K1.07SbPHO ₅
SbPO ₅	1.11	K1.11	K1.11SbPO ₅
SbSO ₄ F ₃	1.39	K1.39	K1.39SbSO ₄ F ₃
SbWO ₇	1.28	K1.28	K1.28SbWO ₇
ScSn	0.84	K0.84	K0.84ScSn
Si ₆ BiO ₁₄	1.06	K1.06	K1.06Si ₆ BiO ₁₄
SiBi ₃ O ₇	1.2	K1.2	K1.2SiBi ₃ O ₇

Sn	0.2	K0.2	K0.2Sn
Sn(PO ₃) ₃	1.48	K1.48	K1.48Sn(PO ₃) ₃
Sn(SO ₄) ₂	1.22	K1.22	K1.22Sn(SO ₄) ₂
Sn ₂ (PO ₃) ₅	2.24	K2.24	K2.24Sn ₂ (PO ₃) ₅
Sn ₂ (SO ₄) ₃	1.89	K1.89	K1.89Sn ₂ (SO ₄) ₃
Sn ₄ (PO ₄) ₃	1.76	K1.76	K1.76Sn ₄ (PO ₄) ₃
Sn ₆ P ₇ O ₂₄	2.33	K2.33	K2.33Sn ₆ P ₇ O ₂₄
SnO ₂	0.87	K0.87	K0.87SnO ₂
SnP ₂ O ₇	1.49	K1.49	K1.49SnP ₂ O ₇
SnPHO ₅	1.23	K1.23	K1.23SnPHO ₅
SnPO ₄	0.92	K0.92	K0.92SnPO ₄
SnS ₂	0.88	K0.88	K0.88SnS ₂
Sr ₂ LiNb ₃ O ₁₀	3	K3	K3Sr ₂ LiNb ₃ O ₁₀
Sr ₃ Nb ₄ O ₁₃	1.96	K1.96	K1.96Sr ₃ Nb ₄ O ₁₃
SrLa ₃ MnO ₈	1.92	K1.92	K1.92SrLa ₃ MnO ₈
SrLiLa ₁₅ (CoO ₈) ₄	4.71	K4.71	K4.71SrLiLa ₁₅ (CoO ₈) ₄
Ta ₂ CuO ₆	1.77	K1.77	K1.77Ta ₂ CuO ₆
TaWO ₇	1.41	K1.41	K1.41TaWO ₇
TbSn ₂	0.99	K0.99	K0.99TbSn ₂
Ti(CoO ₃) ₂	2.5	K2.5	K2.5Ti(CoO ₃) ₂
Ti(PO ₃) ₄	1.71	K1.71	K1.71Ti(PO ₃) ₄
Ti(SiO ₃) ₂	1.43	K1.43	K1.43Ti(SiO ₃) ₂
Ti(SO ₄) ₂	1.1	K1.1	K1.1Ti(SO ₄) ₂
Ti ₁₂ Fe ₅ O ₃₂	2.66	K2.66	K2.66Ti ₁₂ Fe ₅ O ₃₂

Ti13O22	1.76	K1.76	K1.76Ti13O22
Ti16CuS32	1.19	K1.19	K1.19Ti16CuS32
Ti2(PO4)3	1.84	K1.84	K1.84Ti2(PO4)3
Ti2Mn3Co3O16	6.2	K6.2	K6.2Ti2Mn3Co3O16
Ti2Mn3Fe3O16	6.23	K6.23	K6.23Ti2Mn3Fe3O16
Ti2Ni(PO5)2	2.55	K2.55	K2.55Ti2Ni(PO5)2
Ti2P2O9	1.55	K1.55	K1.55Ti2P2O9
Ti3Co3(SbO8)2	5.79	K5.79	K5.79Ti3Co3(SbO8)2
Ti3Co3(TeO8)2	5.67	K5.67	K5.67Ti3Co3(TeO8)2
Ti3Cr(PO4)6	3.62	K3.62	K3.62Ti3Cr(PO4)6
Ti3Cr3(SbO8)2	4.32	K4.32	K4.32Ti3Cr3(SbO8)2
Ti3Cu3(TeO8)2	4.88	K4.88	K4.88Ti3Cu3(TeO8)2
Ti3Fe(PO4)6	3.43	K3.43	K3.43Ti3Fe(PO4)6
Ti3Fe3(SbO8)2	5.78	K5.78	K5.78Ti3Fe3(SbO8)2
Ti3Mn3(SbO8)2	4.92	K4.92	K4.92Ti3Mn3(SbO8)2
Ti3Mn3(SnO8)2	6.27	K6.27	K6.27Ti3Mn3(SnO8)2
Ti3Mn3(TeO8)2	6.38	K6.38	K6.38Ti3Mn3(TeO8)2
Ti3Mn3Cr2O16	5.76	K5.76	K5.76Ti3Mn3Cr2O16
Ti3Mn5O16	4.73	K4.73	K4.73Ti3Mn5O16
Ti3MnO8	1.99	K1.99	K1.99Ti3MnO8
Ti3Nb(CuO4)3	2.77	K2.77	K2.77Ti3Nb(CuO4)3
Ti3Nb2Cr3O16	4.13	K4.13	K4.13Ti3Nb2Cr3O16
Ti3Nb2V3O16	3.98	K3.98	K3.98Ti3Nb2V3O16
Ti3NbO8	1.85	K1.85	K1.85Ti3NbO8

Ti ₃ Ni ₃ (TeO ₈) ₂	5.82	K5.82	K5.82Ti ₃ Ni ₃ (TeO ₈) ₂
Ti ₃ O ₄	1.07	K1.07	K1.07Ti ₃ O ₄
Ti ₃ P ₃ O ₁₃	2.24	K2.24	K2.24Ti ₃ P ₃ O ₁₃
Ti ₃ Se ₄	1.16	K1.16	K1.16Ti ₃ Se ₄
Ti ₃ V ₅ O ₁₆	4.53	K4.53	K4.53Ti ₃ V ₅ O ₁₆
Ti ₃ VO ₈	1.82	K1.82	K1.82Ti ₃ VO ₈
Ti ₃ Zn ₂ O ₈	1.31	K1.31	K1.31Ti ₃ Zn ₂ O ₈
Ti ₄ (CuO ₄) ₃	2.74	K2.74	K2.74Ti ₄ (CuO ₄) ₃
Ti ₄ Mn(PO ₄) ₆	3.97	K3.97	K3.97Ti ₄ Mn(PO ₄) ₆
Ti ₄ VO ₈	2.74	K2.74	K2.74Ti ₄ VO ₈
Ti ₅ Mn ₃ O ₁₆	5.8	K5.8	K5.8Ti ₅ Mn ₃ O ₁₆
Ti ₆ Co ₃ O ₁₆	2.66	K2.66	K2.66Ti ₆ Co ₃ O ₁₆
Ti ₈ O ₁₃	3.14	K3.14	K3.14Ti ₈ O ₁₃
TiAgF ₆	1.71	K1.71	K1.71TiAgF ₆
TiCo ₃ O ₈	2.98	K2.98	K2.98TiCo ₃ O ₈
TiCo ₅ O ₁₂	3.06	K3.06	K3.06TiCo ₅ O ₁₂
TiCr ₂ Ni ₃ (PO ₄) ₆	5.1	K5.1	K5.1TiCr ₂ Ni ₃ (PO ₄) ₆
TiCr ₃ (PO ₄) ₆	3.47	K3.47	K3.47TiCr ₃ (PO ₄) ₆
TiCrO ₄	1.5	K1.5	K1.5TiCrO ₄
TiCu ₃ (PO ₄) ₄	3.52	K3.52	K3.52TiCu ₃ (PO ₄) ₄
TiCuF ₆	1.5	K1.5	K1.5TiCuF ₆
TiF ₃	0.77	K0.77	K0.77TiF ₃
TiFe ₂ Ni ₃ (PO ₄) ₆	5.02	K5.02	K5.02TiFe ₂ Ni ₃ (PO ₄) ₆
TiFe ₃ (PO ₄) ₆	3.66	K3.66	K3.66TiFe ₃ (PO ₄) ₆

TiFe ₃ Cu ₂ (PO ₄) ₆	4.79	K4.79	K4.79TiFe ₃ Cu ₂ (PO ₄) ₆
TiFeO ₄	1.39	K1.39	K1.39TiFeO ₄
TiMn ₂ O ₆	2.6	K2.6	K2.6TiMn ₂ O ₆
TiMn ₃ (PO ₄) ₆	3.99	K3.99	K3.99TiMn ₃ (PO ₄) ₆
TiMn ₃ Cr ₂ (PO ₄) ₆	4.85	K4.85	K4.85TiMn ₃ Cr ₂ (PO ₄) ₆
TiMn ₃ O ₈	1.78	K1.78	K1.78TiMn ₃ O ₈
TiMn ₅ O ₁₂	3.71	K3.71	K3.71TiMn ₅ O ₁₂
TiMn ₉ O ₂₀	5.87	K5.87	K5.87TiMn ₉ O ₂₀
TiMnO ₄	1.52	K1.52	K1.52TiMnO ₄
TiNCl	0.73	K0.73	K0.73TiNCl
TiO ₂	0.44	K0.44	K0.44TiO ₂
TiP ₂ O ₇	1.23	K1.23	K1.23TiP ₂ O ₇
TiPO ₄	1.01	K1.01	K1.01TiPO ₄
TiPO ₄ F	1.4	K1.4	K1.4TiPO ₄ F
TiS ₂	0.85	K0.85	K0.85TiS ₂
TiSe ₂	1.01	K1.01	K1.01TiSe ₂
TiSiO ₄	0.92	K0.92	K0.92TiSiO ₄
TiTe ₂	1.11	K1.11	K1.11TiTe ₂
TiV ₃ O ₈	1.79	K1.79	K1.79TiV ₃ O ₈
TiVO ₄	1.25	K1.25	K1.25TiVO ₄
Ti ₂ CrF ₆	1.79	K1.79	K1.79Ti ₂ CrF ₆
V(CO ₃) ₂	1.25	K1.25	K1.25V(CO ₃) ₂
V(NF ₃) ₂	1.21	K1.21	K1.21V(NF ₃) ₂
V(PO ₃) ₃	1.72	K1.72	K1.72V(PO ₃) ₃

V(PO ₃) ₄	2.89	K2.89	K2.89V(PO ₃) ₄
V(SiO ₃) ₂	1.23	K1.23	K1.23V(SiO ₃) ₂
V(SO ₄) ₂	1.19	K1.19	K1.19V(SO ₄) ₂
V ₁₂ O ₂₉	2.99	K2.99	K2.99V ₁₂ O ₂₉
V ₂ (OF) ₃	0.95	K0.95	K0.95V ₂ (OF) ₃
V ₂ (PO ₄) ₃	1.7	K1.7	K1.7V ₂ (PO ₄) ₃
V ₂ (SO ₄) ₃	1.84	K1.84	K1.84V ₂ (SO ₄) ₃
V ₂ CoO ₆	1.11	K1.11	K1.11V ₂ CoO ₆
V ₂ Cr(PO ₄) ₃	1.78	K1.78	K1.78V ₂ Cr(PO ₄) ₃
V ₂ Cr ₃ Sb ₃ O ₁₆	5.31	K5.31	K5.31V ₂ Cr ₃ Sb ₃ O ₁₆
V ₂ Cu(PO ₄) ₃	1.91	K1.91	K1.91V ₂ Cu(PO ₄) ₃
V ₂ F ₇	1.34	K1.34	K1.34V ₂ F ₇
V ₂ NiO ₆	1.33	K1.33	K1.33V ₂ NiO ₆
V ₂ O ₂ F ₃	1.08	K1.08	K1.08V ₂ O ₂ F ₃
V ₂ O ₃ F	0.91	K0.91	K0.91V ₂ O ₃ F
V ₂ O ₅	1.09	K1.09	K1.09V ₂ O ₅
V ₂ OF ₅	0.87	K0.87	K0.87V ₂ OF ₅
V ₂ OF ₆	1.24	K1.24	K1.24V ₂ OF ₆
V ₂ OF ₇	1.49	K1.49	K1.49V ₂ OF ₇
V ₂ P ₂ O ₉	1.65	K1.65	K1.65V ₂ P ₂ O ₉
V ₂ P ₄ H ₃ O ₁₆	3.84	K3.84	K3.84V ₂ P ₄ H ₃ O ₁₆
V ₂ Si ₄ O ₁₁	1.96	K1.96	K1.96V ₂ Si ₄ O ₁₁
V ₂ Sn(PO ₄) ₃	1.94	K1.94	K1.94V ₂ Sn(PO ₄) ₃
V ₃ (O ₂ F) ₂	1.24	K1.24	K1.24V ₃ (O ₂ F) ₂

V ₃ (OF) ₄	1.47	K1.47	K1.47V ₃ (OF) ₄
V ₃ (OF ₃) ₂	1.54	K1.54	K1.54V ₃ (OF ₃) ₂
V ₃ (P ₂ O ₇) ₂	2.63	K2.63	K2.63V ₃ (P ₂ O ₇) ₂
V ₃ (PO ₄) ₄	2.87	K2.87	K2.87V ₃ (PO ₄) ₄
V ₃ Bi ₂ (PO ₄) ₆	3.36	K3.36	K3.36V ₃ Bi ₂ (PO ₄) ₆
V ₃ Co(PO ₄) ₄	3.47	K3.47	K3.47V ₃ Co(PO ₄) ₄
V ₃ Co ₃ (TeO ₈) ₂	4.29	K4.29	K4.29V ₃ Co ₃ (TeO ₈) ₂
V ₃ CoO ₈	1.01	K1.01	K1.01V ₃ CoO ₈
V ₃ Cr(PO ₄) ₆	3.34	K3.34	K3.34V ₃ Cr(PO ₄) ₆
V ₃ Cr ₃ (SbO ₈) ₂	4.28	K4.28	K4.28V ₃ Cr ₃ (SbO ₈) ₂
V ₃ Cr ₃ (TeO ₈) ₂	4.45	K4.45	K4.45V ₃ Cr ₃ (TeO ₈) ₂
V ₃ Cr ₃ (WO ₈) ₂	3.39	K3.39	K3.39V ₃ Cr ₃ (WO ₈) ₂
V ₃ CrO ₈	2.35	K2.35	K2.35V ₃ CrO ₈
V ₃ Cu(PO ₄) ₄	2.76	K2.76	K2.76V ₃ Cu(PO ₄) ₄
V ₃ Cu(PO ₄) ₆	3.28	K3.28	K3.28V ₃ Cu(PO ₄) ₆
V ₃ CuO ₈	1.3	K1.3	K1.3V ₃ CuO ₈
V ₃ Fe(PO ₄) ₆	3.11	K3.11	K3.11V ₃ Fe(PO ₄) ₆
V ₃ Fe ₂ CuO ₁₂	2.77	K2.77	K2.77V ₃ Fe ₂ CuO ₁₂
V ₃ Fe ₂ CuO ₁₂	2.77	K2.77	K2.77V ₃ Fe ₂ CuO ₁₂
V ₃ Fe ₃ (TeO ₈) ₂	5.44	K5.44	K5.44V ₃ Fe ₃ (TeO ₈) ₂
V ₃ FeO ₈	1.56	K1.56	K1.56V ₃ FeO ₈
V ₃ Ni(PO ₄) ₄	3.48	K3.48	K3.48V ₃ Ni(PO ₄) ₄
V ₃ Ni(PO ₄) ₆	3.07	K3.07	K3.07V ₃ Ni(PO ₄) ₆
V ₃ NiO ₈	2.33	K2.33	K2.33V ₃ NiO ₈

V3O5F	1.22	K1.22	K1.22V3O5F
V3O7	0.77	K0.77	K0.77V3O7
V3OF11	1.74	K1.74	K1.74V3OF11
V3P3O13	2.59	K2.59	K2.59V3P3O13
V3P6WO24	2.74	K2.74	K2.74V3P6WO24
V3S4	0.76	K0.76	K0.76V3S4
V3Si3O10	2.02	K2.02	K2.02V3Si3O10
V3Zn2O8	1.5	K1.5	K1.5V3Zn2O8
V4(CuO4)3	2.46	K2.46	K2.46V4(CuO4)3
V4(OF3)3	1.75	K1.75	K1.75V4(OF3)3
V4(PO4)3	1.8	K1.8	K1.8V4(PO4)3
V4CrCuO12	2.82	K2.82	K2.82V4CrCuO12
V4CuNiO12	2.82	K2.82	K2.82V4CuNiO12
V4FeO12	2.72	K2.72	K2.72V4FeO12
V4O5F7	1.96	K1.96	K1.96V4O5F7
V4O7F5	1.6	K1.6	K1.6V4O7F5
V4OF11	1.71	K1.71	K1.71V4OF11
V4Si4O13	2.69	K2.69	K2.69V4Si4O13
V5(BO5)2	2.18	K2.18	K2.18V5(BO5)2
V5(P3O11)2	3.4	K3.4	K3.4V5(P3O11)2
V5CoO12	2.74	K2.74	K2.74V5CoO12
V5CuO12	2.68	K2.68	K2.68V5CuO12
V5F11	1.78	K1.78	K1.78V5F11
V5O12	2.01	K2.01	K2.01V5O12

V6F13	2.19	K2.19	K2.19V6F13
V6O11	1.95	K1.95	K1.95V6O11
V6O13	2.53	K2.53	K2.53V6O13
V6O5F19	2.56	K2.56	K2.56V6O5F19
V6O7F5	1.98	K1.98	K1.98V6O7F5
V9O22	2.55	K2.55	K2.55V9O22
VBO4	0.88	K0.88	K0.88VBO4
VCo ₃ (PO ₄) ₄	3.71	K3.71	K3.71VCo ₃ (PO ₄) ₄
VCoO ₄	1.09	K1.09	K1.09VCoO ₄
VCr(P ₂ O ₇) ₂	2.65	K2.65	K2.65VCr(P ₂ O ₇) ₂
VCr ₂ Ni ₃ (PO ₄) ₆	4.49	K4.49	K4.49VCr ₂ Ni ₃ (PO ₄) ₆
VCrO ₄	0.97	K0.97	K0.97VCrO ₄
VCrP ₂ (HO ₅) ₂	2.64	K2.64	K2.64VCrP ₂ (HO ₅) ₂
VCrP ₂ (O ₄ F) ₂	2.75	K2.75	K2.75VCrP ₂ (O ₄ F) ₂
VF ₃	0.59	K0.59	K0.59VF ₃
VF ₄	0.81	K0.81	K0.81VF ₄
VF ₅	0.93	K0.93	K0.93VF ₅
VFe(P ₂ O ₇) ₂	2.56	K2.56	K2.56VFe(P ₂ O ₇) ₂
VFe(PO ₄) ₂	2.17	K2.17	K2.17VFe(PO ₄) ₂
VFe ₃ (PO ₄) ₄	3.59	K3.59	K3.59VFe ₃ (PO ₄) ₄
VFe ₃ (PO ₄) ₆	3.18	K3.18	K3.18VFe ₃ (PO ₄) ₆
VFeO ₄	1.1	K1.1	K1.1VFeO ₄
VFeP ₂ (HO ₅) ₂	2.77	K2.77	K2.77VFeP ₂ (HO ₅) ₂
VFeP ₂ (O ₄ F) ₂	2.52	K2.52	K2.52VFeP ₂ (O ₄ F) ₂

VNi(PO4)2	1.62	K1.62	K1.62VNi(PO4)2
VO2	0.34	K0.34	K0.34VO2
VO2F	0.58	K0.58	K0.58VO2F
VOF3	0.79	K0.79	K0.79VOF3
VP2O7	1.52	K1.52	K1.52VP2O7
VPHO5	1.38	K1.38	K1.38VPHO5
VPO4	1.02	K1.02	K1.02VPO4
VPO5	0.95	K0.95	K0.95VPO5
VS2	0.76	K0.76	K0.76VS2
VSe2	1.01	K1.01	K1.01VSe2
VSn(PO4)2	1.91	K1.91	K1.91VSn(PO4)2
W3Br7	1.64	K1.64	K1.64W3Br7
WCl6	1.51	K1.51	K1.51WCl6
WF6	0.83	K0.83	K0.83WF6
WO2	0.75	K0.75	K0.75WO2
WO3	0.67	K0.67	K0.67WO3
Y2Ti2S2O5	1.41	K1.41	K1.41Y2Ti2S2O5
YSb2	2.12	K2.12	K2.12YSb2
ZnCr3(SO4)6	3.5	K3.5	K3.5ZnCr3(SO4)6
ZnFe(PO4)2	2.24	K2.24	K2.24ZnFe(PO4)2
Zr6Cl14	2.58	K2.58	K2.58Zr6Cl14
Zr6MnCl14	3.71	K3.71	K3.71Zr6MnCl14