

Table 5. Interatomic distances (Å): Ti-rich potassium-richterites

	rich ₅₈	rich ₅₉	rich ₆₀	rich ₆₁	rich ₆₂	rich ₆₃
T(1)–O(1)	1.596(10)	1.600(11)	1.598(11)	1.604(11)	1.608(11)	1.609(11)
T(1)–O(5)	1.612(13)	1.542(14)	1.560(14)	1.571(13)	1.581(14)	1.600(15)
T(1)–O(6)	1.575(15)	1.610(17)	1.594(17)	1.604(16)	1.610(17)	1.599(18)
T(1)–O(7)	1.629(5)	1.634(7)	1.631(7)	1.636(6)	1.624(7)	1.624(7)
⟨T(1)–O⟩	1.603(6)	1.597(6)	1.596(6)	1.604(6)	1.606(6)	1.608(6)
T(2)–O(2)	1.623(12)	1.653(13)	1.652(13)	1.639(14)	1.629(14)	1.640(14)
T(2)–O(4)	1.574(10)	1.589(12)	1.571(12)	1.565(11)	1.567(12)	1.589(12)
T(2)–O(5)	1.667(16)	1.650(17)	1.646(17)	1.648(16)	1.636(17)	1.637(18)
T(2)–O(6)	1.729(13)	1.702(15)	1.713(14)	1.713(14)	1.700(15)	1.680(15)
⟨T(2)–O⟩	1.648(6)	1.644(7)	1.646(7)	1.641(6)	1.634(6)	1.637(6)
M(1)–O(1) ×2	2.104(11)	2.097(13)	2.101(12)	2.105(12)	2.081(13)	2.077(13)
M(1)–O(2) ×2	2.058(15)	2.034(17)	2.014(17)	2.032(17)	2.028(17)	2.022(18)
M(1)–O(3) ×2	2.111(11)	2.093(12)	2.109(12)	2.101(11)	2.099(12)	2.111(13)
⟨M(1)–O⟩	2.091(4)	2.075(8)	2.075(8)	2.079(7)	2.069(8)	2.070(8)
M(2)–O(1) ×2	2.153(12)	2.150(12)	2.137(12)	2.124(12)	2.137(13)	2.158(13)
M(2)–O(2) ×2	2.099(14)	2.093(15)	2.063(15)	2.081(15)	2.096(15)	2.073(16)
M(2)–O(4) ×2	2.057(14)	2.086(15)	2.088(15)	2.070(14)	2.051(16)	2.044(16)
⟨M(2)–O⟩	2.082(6)	2.101(6)	2.097(6)	2.082(6)	2.077(6)	2.061(6)
M(3)–O(1) ×4	2.097(11)	2.118(12)	2.123(12)	2.106(12)	2.104(13)	2.114(13)
M(3)–O(3) ×2	2.053(17)	2.066(19)	2.046(18)	2.035(18)	2.023(18)	1.954(19)
⟨M(3)–O⟩	2.082(6)	2.101(6)	2.097(6)	2.082(6)	2.077(6)	2.061(6)

Table 5. (continued)

	rich ₅₈	rich ₅₉	rich ₆₀	rich ₆₁	rich ₆₂	rich ₆₃
M(4)–O(2) ×2	2.388(14)	2.371(16)	2.383(16)	2.390(16)	2.390(16)	2.383(16)
M(4)–O(4) ×2	2.436(15)	2.424(17)	2.408(17)	2.417(16)	2.407(17)	2.419(18)
M(4)–O(5) ×2	2.868(14)	2.888(15)	2.898(15)	2.897(15)	2.898(16)	2.893(16)
M(4)–O(6) ×2	<u>2.648(12)</u>	<u>2.673(13)</u>	<u>2.676(13)</u>	<u>2.654(12)</u>	<u>2.652(14)</u>	<u>2.640(14)</u>
⟨M(4)–O⟩	<u>2.585(5)</u>	<u>2.589(5)</u>	<u>2.591(5)</u>	<u>2.589(5)</u>	<u>2.587(5)</u>	<u>2.584(5)</u>