## No. 35B-4 K(A,B)O(M,M′)$O_4$ (A, B = Ti, Nb, Sb, Ta; M, M′ = P, Si, Ge, As)

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|---|---|---|
| 1b | $KTa_{1-x}Nb_xOP_{1-x}Ge_xO_4$: Solid solution region: $0 \le x \le 0.75$. | 94But |
| | $KTi_{1-x}Nb_xOAs_{1-x}Si_xO_4$: Ceramics. Stable region, $0 \le x \le 0.4$. | 93Ran |
| | Space group: $Pna2_1$–$C_{2v}^9$. | |
| | $KTi_{1-x}Nb_xOP_{1-x}Si_xO_4$: Ceramics. Stable region, $0 \le x \le 0.4$. | 93Ran |
| | Space group: $Pna2_1$–$C_{2v}^9$. | |
| | $KTi_{1-x}Sb_xOAs_{1-x}Ge_xO_4$. On examination of their X-ray powder patterns, they were found to be a single phase for all x values with $0 \le x \le 1$. | 91Pag |
| | $KTi_{1-x}Sb_xOP_{1-x}Ge_xO_4$. X-ray powder diffraction pattern. In the regions $0 \le x \le 0.25$, $0.75 \le x \le 1$, solid solution was evidenced. | 91Pag |
| | $K(Ti_{1-x}Sb_x)O(P_{1-x}Si_x)O_4$. Space group: $Pna2_1$–$C_{2v}^9$. | 91Rav |
| 2a | $K(Ti_{1-x}Sb_x)O(P_{1-x}Si_x)O_4$. Preparation by sol-gel method. | 91Kan |
| | $K(Ti_{1-x}Sb_x)O(P_{1-x}Si_x)O_4$. Sample preparation: ceramics. | 91Rav |
| 3a | Lattice parameters: Table 35B-4-001; Fig. 35B-4-001, Fig. 35B-4-002, Fig. 35B-4-003. | |
| b | Crystal structure: see Table 35A-21-001 in No. 35A-21. | |
| 9a | Infrared transmittance: Fig. 35B-4-004. | |
| e | Nonlinear optical properties: Fig. 35B-4-005. | |
| | $KTi_{1-x}Nb_xOP_{1-x}Ge_xO_4$. SHG for various x at $\lambda = 1064$ nm. | 94But |
| 11 | $(KTiOPO_4)_{0.8}(KSbOSiO_4)_{0.2}$: luminescence of ions with $d^{10}$ configuration; see | 92Ham |
| 16 | $KTiOP_{1-x}As_xO_4$: optical waveguides grown by liquid phase epitaxy. | 94Nor |