



6a Heat capacity: Fig. 33A-7-025. Transition heat $\Delta Q_m$ and transition entropy $\Delta S_m$ at $\Theta_f$ :		
$\Delta Q_m$ [J mol <sup>-1</sup> ]	$\Delta S_m$ [J K <sup>-1</sup> mol <sup>-1</sup> ]	
352	3.64	42Ban
351	3.76	44Ste
b Thermal conductivity: Fig. 33A-7-026; see also Fig. 33A-1-112 in No. 33A-1.		
7a Piezoelectricity: Table 33A-7-004; Fig. 33A-7-027.		
8a Elastic constants: Table 33A-7-005; Fig. 33A-7-028, Fig. 33A-7-029, Fig. 33A-7-030, Fig. 33A-7-031. Elastic constants obtained from Brillouin scattering: Fig. 33A-7-032.		
9a Refractive indices: Table 33A-7-006, Table 33A-7-007. Sellmeier coefficient: see Table 33A-1-040, Table 33A-1-041 in No. 33A-1. $\partial n/\partial T$ for several $\lambda$ : Table 33A-7-008. Infrared reflectivity: see 78Sha Reflectivity in vacuum ultraviolet region: see Fig. 33A-1-153 in No. 33A-1. Transmission spectra: Fig. 33A-7-033. Far-infrared reflection spectra: see 88Sim		
b Electrooptic effect: Table 33A-7-009; Fig. 33A-7-034, Fig. 33A-7-035; see also Table 33A-1-048 in No. 33A-1.		
c Piezooptic effect: Fig. 33A-7-036. Piezooptic constant: $p_{66} = 0.020$ . 69Vas		
d Verdet constant: see Fig. 33A-1-206 in No. 33A-1, and Fig. 33A-8-006 in No. 33A-8.		
e Nonlinear optical susceptibility: $d_{14}/d_{36}^{\text{KDP}} = 0.86(10)$ for $\lambda = 0.6943 \mu\text{m}$ , 1.16(5) for $\lambda = 1.0582 \mu\text{m}$ ; $d_{36}/d_{36}^{\text{KDP}} = 1.0(1)$ for $\lambda = 0.6934 \mu\text{m}$ , 1.10(6) for $\lambda = 1.0582 \mu\text{m}$ ; see also 77Nik		
10a Raman scattering: Fig. 33A-7-037, Fig. 33A-7-038; see also Fig. 33A-1-214 in No. 33A-1. Raman scattering at 7 K: see 87Dav Effect of $p$ on Raman spectrum: see 77Leu		
b Brillouin scattering: Fig. 33A-7-039; see also Fig. 33A-7-032 in 8a.		
11 Electrical conductivity: Fig. 33A-7-040. Electrical conductivity $\sigma_c$ and activation energy $\Delta U$ at RT: 73Fai		
	$\sigma_c$ [ $\Omega^{-1}\text{m}^{-1}$ ]	$\Delta U$ [eV]
KH <sub>2</sub> AsO <sub>4</sub>	$\approx 10^{-8}$	0.66
KD <sub>2</sub> AsO <sub>4</sub>	$\approx 10^{-6}$	0.64
13a NMR of proton or deuteron: Fig. 33A-7-041, Fig. 33A-7-042, Fig. 33A-7-043, Fig. 33A-7-044. NMR, NQR of <sup>75</sup> As: Fig. 33A-7-045, Fig. 33A-7-046, Fig. 33A-7-047, Fig. 33A-7-048, Fig. 33A-7-049, Fig. 33A-7-050, Fig. 33A-7-051, Fig. 33A-7-052, Fig. 33A-7-053, Fig. 33A-7-054. See Table 33A-1-054 in No. 33A-1 and also 86Bli1, 88Bjo Double resonance of <sup>39</sup> K: see 74Hat		

Effect of $E_{\text{bias}}$ on NQR and level crossing: see NQR of $^{39}\text{K}$ : see Fig. 33A-1-254 in No. 33A-1.		68Gil
b ESR: hyperfine splitting: Fig. 33A-7-055. ESR of $\text{Cr}^{5+}$ : Fig. 33A-7-056; see also		78Mul
ESR of $\text{CrO}_4^{3-}$ : $g_{\parallel} = 1.9559(5)$ , $g_{\perp} = 1.9758(5)$ , $A_{\parallel} = 29(1) \cdot 10^{-4} \text{ T}$ , $A_{\perp} = 10(4) \cdot 10^{-4} \text{ T}$ ( $\parallel$ : $c$ direction) at 300 K; [D: $g_{\parallel} = 1.9560(5)$ , $g_{\perp} = 1.9756(5)$ , $A_{\parallel} = 28.6(5) \cdot 10^{-4} \text{ T}$ , $A_{\perp} = 10(4) \cdot 10^{-4} \text{ T}$ ]. Table 33A-7-010; Fig. 33A-7-057; see also Fig. 33A-1-278 in No. 33A-1. ESR of $\text{AsO}_4^{4-}$ and $\text{AsO}_3^{2-}$ : Fig. 33A-7-058, Fig. 33A-7-059; see also		88Dal
ESR and ENDOR of $\text{AsO}_4^{4-}$ : see Table 33A-1-68 in No. 33A-1 and ESR of $\gamma$ -ray and X-ray irradiated crystal: see		84Bar, 82Dal, 81Gai, 80Gai 72Dal, 76Gai1 72Dal, 66Ham, 72Dal, 75Gai, 67Bli, 75Cev, 76Gai2 76Mul1, 77Gai 84Ech, 82Rib
Slow ferroelectric cluster dynamics above $\Theta_f$ was studied by ESR; see $A$ and $g$ tensors for $\text{Ti}^{2+}$ center: see		
15a Domain structure: observation by polarized light, see Observation by ESR and ENDOR: see		76Kir 70Dal
b Change in fractional polarization by domain switching was determined with ESR: see		83Tru