

CRYSTAL STRUCTURES

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Volume I



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TO CRYSTALS OF THE ELEMENTS

Element	Name	Literature
A	Argon	1923, S&vS; 1924, S&vS; 1925, S&vS; 1930, K&M
Ag	Silver	1916, V; 1921, K; 1922, MK; S&S; T; 1924, D; 1925, B&L; D; W&P; 1926, D&W; E; J; 1928, A; vA; 1930, S&W; 1932, O&I; 1933, O&Y; 1934, O&Y
Al	Aluminum	1917, H; 1918, S; 1922, K; 1923, O&P; Y; 1924, D; J, P&W; W; 1925, D; L; vO; P&B; 1929, A; J, B&W; 1931, A; 1932, N; O&I; 1933, O&Y; S
As	Arsenic	1924, B; 1925, vO; 1934, W&E
Au	Gold	1916, V; 1921, K; 1922, MK; 1924, D; 1925, B&L; D; W&P; 1926, J; 1928, vA; 1930, S&W; 1932, O&I; 1933, O&Y; 1934, J, B&F; V&K
Ba	Barium	1928, C, K&H; 1929, E&H; K&C
Be	Beryllium	1922, MK; 1932, N; 1933, J&Z; N
Bi	Bismuth	1920, J&T; 1921, J; K; O; 1923, MK; 1924, D; H&M; 1930, A; P&C; 1931, S&J; 1932, G&H
C	Carbon (diamond)	1913, B&B; 1917, H; 1921, B; 1926, E
C	Carbon (graphite)	1914, E; 1916, D&S; 1917, D&S; H; 1922, A; H; W; 1924, B; H&M; R; 1925, E; 1926, M; 1928, O; 1931, H
α -Ca	Calcium	1920, H; 1921, H

TABLE II, 1c. (2)

Element	Name	Literature
β -Ca	Calcium	1933, E, H&P; G; 1934, G
Cb	Columbium	1925, vO; 1929, ML&M; 1930, M; 1931, N; 1932, Q; 1934, B&B
Cd	Cadmium	1920, H; 1921, H; 1924, vS; 1929, ML&M; 1931, J&P; 1932, S&W
α -Ce	Cerium	1921, H; 1932, Q
β -Ce	Cerium	1921, H; 1924, S&L
α -Co	Cobalt	1919, H; 1921, H; 1924, S&L; 1925, M; 1927, S; 1930, H, J&S; O
β -Co	Cobalt	1919, H; 1921, H; 1924, S&L; 1925, M; 1927, S; 1930, H, J&S; O; 1932, K
α -Cr	Chromium	1919, H; 1921, H; 1925, P; P&B; 1926, B&O; 1927, S; 1930, S&S; 1931, P; 1932, P; 1934, J, N, Q&F
β -Cr	Chromium	1930, S&S
γ -Cr	Chromium	1930, S&S
Cs	Cesium	1927, S&V; 1928, S&V
Cu	Copper	1914, B; 1922, K; 1923, O&P; 1924, D; J, P&W; P; 1925, B&L; D; W&P; 1926, D&W; E; J; Q; 1928, vA; T&W; 1932, O&I; 1933, O&W; O&Y; 1934, V&K
Er	Erbium	1929, ML&M

TABLE II, 1c. (3)

Element	Name	Literature
α -Fe	Iron	1917, H; 1919, H; 1921, W; W&L; 1922, W&P; 1923, MK; O&P; W&P; 1924, D; H; W; 1925, B; D; 1926, Y; 1927, L; 1928, O&O; 1929, M; 1930, R; 1931, vA&B; 1932, B&J; N; P; 1933, E&M; O&Y; 1934, J, B&F; K&S
β -Fe	Iron	1921, W; W&L; 1922, W&P; 1923, W&P; 1924, W&P; 1929, B
γ -Fe	Iron	1921, W; W&L; 1922, W&P; 1923, W&P; 1924, W&P; 1929, B
δ -Fe	Iron	1921, W; W&L; 1922, W&P; 1923, W&P; 1924, W&P; 1929, B
Ga	Gallium	1926, J, T&W; 1932, L; 1933, L
Ge	Germanium	1922, H; K
H ₂	Hydrogen	1929, V
Hf	Hafnium	1925, N&T; 1927, vA
Hg	Mercury	1922, A&A; MK&C; 1928, T&W; W; 1929, H; M&B; 1932, H&R; 1933, N
I ₂	Iodine	1927, F; 1928, H, M&B
In	Indium	1920, H; 1921, H; 1932, D&M; 1933, S; Z&N
Ir	Iridium	1920, H; 1921, H; 1923, W; 1925, B&L; 1932, O&I; 1933, O&Y
K	Potassium	1922, MK; 1926, G; 1927, H; S&V; 1928, T; S&V

TABLE II, 1c. (4)

Element	Name	Literature
Kr	Krypton	1930, K&M; N&N; 1932, R&S
α -La	Lanthanum	1930, MI&MK; 1932, Q
β -La	Lanthanum	1933, Z&N; 1934, R
Li	Lithium	1917, H; 1921, B&K; 1923, B; 1927, S&V; 1928, S&V
Mg	Magnesium	1917, H; 1920, B; 1923, O&P; 1928, R, A&W; 1932, S&W
α -Mn	Manganese	1923, Y; 1925, W&P; 1927, B&T; 1928, P; 1929, S; 1930, O; 1931, S
β -Mn	Manganese	1925, W&P; 1928, P; 1929, S; 1930, O; 1931, S
γ -Mn	Manganese	1925, B; W&P; 1929, P&O; S; 1931, S
Mo	Molybdenum	1921, H; S; 1924, D; 1925, D; 1926, vA; 1932, O&I
α -N ₂	Nitrogen	1925, dS&K; 1929, dS&K; V; 1932, R
β -N ₂	Nitrogen	1932, R; V; 1934, V
Na	Sodium	1917, H; 1927, S&V; 1928, S&V
Nd	Neodymium	1932, Q
Ne	Neon	1930, K&M; dS&K
Ni	Nickel	1917, H; 1919, H; 1920, B; 1921, H; 1922, W; 1923, MK; 1924, D; 1925, C, A&W; C&F; D; L; L&T; P&B; 1929, G; M&N; T; V&B; 1931, B&vB; 1932, B&J; O&I; 1934, J; J, N, Q&F; O&P

TABLE II, 1c. (5)

Element	Name	Literature
O ₂	Oxygen	1925, dS&K; 1927, ML&W; 1929, V; 1932, M; R
Os	Osmium	1921, H; 1925, B&L; 1926, L&H; 1932, S
P	Phosphorus	1925, L&J; 1930, N&P
Pb	Lead	1916, V; 1923, O&P; 1924, D; K; L; 1925, D; P&B; 1927, K&O; 1928, H&S; 1931, S&J; 1932, D; O&I; 1933, O; O&Y; 1934, O
Pd	Palladium	1920, H; 1921, H; 1922, MK; 1923, MK; 1925, B&L; D; G, B&L; 1931, S&W; 1932, O&I; 1933, O&Y
Pr	Praseodymium	1932, C&R; R
Pt	Platinum	1920, H; 1921, H; K; 1924, D; 1925, B&L; D; G, B&L; 1928, vA; 1929, D&T; 1933, O&Y; 1934, O&Y
Rb	Rubidium	1927, S&V; 1928, S&V
Re	Rhenium	1929, G; 1931, A, A, B, H&M; M; 1932, S&W
Rh	Rhodium	1921, H; 1925, B&L; G, B&L; 1928, vA; 1931, J&R; J&Z; 1932, O&I; 1933, O&Y
Ru	Ruthenium	1920, H; 1921, H; 1925, B&L; 1926, L&H
S	Sulfur	1914, B; 1924, M&W; 1925, B&B; 1930, H&B; H&M; 1931, T&F; 1932, T&F; 1934, M&G
Sb	Antimony	1920, J&T; 1921, O; 1925, B&B; 1932, K

TABLE II, 1c. (6)

Element	Name	Literature
Se	Selenium (hexagonal)	1923, S; 1924, B; 1925, vO; S; 1929, B
Se	Selenium (monoclinic)	1931, H, B&M; H, M&B; 1934, K
Si	Silicon	1916, D&S; 1917, H; 1921, G; 1922, G; 1923, K&R; 1926, B; 1928, vA; 1929, N&C
Sn (gray)	Tin	1918, B&K; 1919, B&K; 1925, P&B
Sn (white)	Tin	1918, B&K; 1919, B&K; 1923, vA; M&P; M, P&S; 1925, P&B; 1932, S&W; 1933, S
Sr	Strontium	1928, S&V; 1929, E&H; K
Ta	Tantalum	1920, H; 1921, H; 1932, O&I; Q; 1934, B&B
Te	Tellurium	1923, S; 1924, B; 1925, vO; S
Th	Thorium	1920, B; 1921, H
Ti	Titanium	1920, H; 1921, H; 1925, P
Tl	Thallium	1924, L; 1926, L; S; T; 1927, B; 1928, P&W; 1929, S; 1931, S
U	Uranium	1930, ML&MK; 1933, W
V	Vanadium	1922, H
W	Tungsten	1917, D; 1921, H; 1922, B; 1924, D; 1925, D; 1926, vA; B; C; D&W; 1932, O&I; 1933, N; 1934, N
Xe	Xenon	1930, K&M; N&N; 1932, R&S

TABLE II.1c. (7)

Element	Name	Literature
Y	Yttrium	1932, Q
Zn	Zinc	1920, H; 1921, H; 1922, M, P&S; 1924, vS; 1925, P, A&vD; P&B; 1926, F, S&B; 1927, W&H; 1928, O&O; 1929, ML&M; 1932, B; S&W; 1933, O&I; O&P; W; 1934, O&Y
Zr	Zirconium	1921, H; 1925, N&T; 1927, vA; 1932, B

CHAPTER II

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