

Name, date	Country	Contribution
Georg Bauer (Agricola) 1494–1555	Germany	Detailed description of minerals
Niels Stensen (Nicolaus Steno) 1638–1686	Denmark	Law of interfacial angles
Torbern O. Bergman 1735–1784	Sweden	Cleavage of calcite
René Just Haüy 1743–1822	France	Concept of unit-parallelepipeds
Abraham G. Werner 1750–1817	Germany	Origin and properties of minerals
Lorentz Pansner 1777–1851	Germany/Russia	Hardness and density of minerals
Johan J. Berzelius 1779–1848	Sweden	Chemical mineralogy
Johann A. Breithaupt 1791–1873	Germany	Density of minerals, parageneses
Eilhard Mitscherlich 1794–1863	Germany	Isomorphism and polymorphism
Johann F.C. Hessel 1796–1872	Germany	Point-group symmetry
Auguste Bravais 1811–1863	France	Lattice types
James Dwight Dana 1813–1895	USA	Systematic mineralogy
Nicolai Koksharoff 1818–1892	Russia	Goniometry of crystals
Carl Rosenbusch 1836–1914	Germany	Optical mineralogy
Gustav Tschermak 1836–1927	Austria	Silicate structures
Paul von Groth 1843–1927	Germany	Chemical crystallography
Ephgraph S. Fedorow 1853–1919	Russia	Space-group symmetry
Artur Schoenflies 1853–1928	Germany	Space-group symmetry
Viktor Goldschmidt 1853–1933	Germany	Geometry of crystals
Penti Eskola 1883–1964	Finland	Igneous minerals
Alexander Fersman 1883–1945	Russia	Mineral-forming processes
Norman L. Bowen 1887–1956	USA	Experimental petrology
Paul Niggli 1888–1953	Switzerland	Mineral-forming geologic processes
Viktor M. Goldschmidt 1888–1947	Norway/Germany	Crystal chemistry, geochemistry
William L. Bragg 1890–1971	Great Britain	Crystal structure of minerals
Nicolai Belov 1891–1982	Russia	Mineral structures
Paul Ramdohr 1890–1985	Germany	Ore minerals
Cecil E. Tilley 1894–1973	Great Britain	Igneous and metamorphic minerals
Tom F. W. Barth 1899–1971	Norway	Petrology
Francis J. Turner 1904–1985	New Zealand/USA	Metamorphic minerals and deformat

Box I.I Nobel prizes in fields related to crystallography

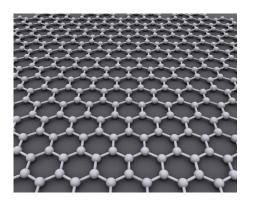
Year	Field	Awardees	Subject
1901	Physics	W.C. Röntgen	X-rays
1914	Physics	M.T.F. von Laue	X-ray diffraction
1915	Physics	W.H. Bragg	
		and W.L. Bragg	X-ray structure analysis
1918	Physics	C.G. Barkla	Characteristic X-rays
1930	Physics	C.V. Raman	Raman spectroscopy
1937	Physics	C.J. Davisson and G.P. Thomson	Electron diffraction
1946	Physics	P.W. Bridgman	High-pressure physics
1954	Chemistry	L.C. Pauling	Structures of complex substances
1960	Chemistry	W.F. Libby	Carbon-14 dating
1962	Medicine	F.H.C. Crick, J.D. Watson	
		and M.H.F. Wilkins	Crystal structure of DNA
1963	Physics	E.P. Wigner	Symmetry principles
1964	Chemistry	D.C. Hodgkin	X-ray structure of biochemical substances
1982	Physics	K.G. Wilson	Phase transitions
1982	Chemistry	A. Klug	Crystallographic electron microscopy
1985	Chemistry	H.A. Hauptman and J. Karle	Crystal structure analysis
1986	Physics	E. Ruska	Electron microscopy
		G. Binnig and H. Rohrer	Scanning tunneling microscope
1987	Physics	J.G. Bednorz and K.A. Müller	Superconductivity in ceramics
1991	Physics	P.G. de Gennes	Liquid crystals
1994	Physics	B.N. Brockhouse and C.G. Shull	Neutron diffraction

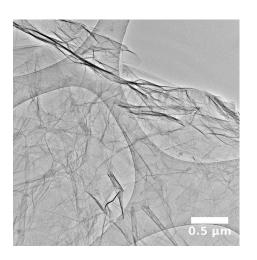
2010

André Geim, Konstantin Novoselov

Premio Nobel de Física

Grafeno





2011

Daniel Shechtmann

Premio Nobel de Química

Cuasicristales

