

PHYSICS

Name	Country*	Total Citations 1961-1975	Name	Country*	Total Citations 1961-1975
1950 Powell C	Britain	247	1964 Prokhorov AM	U.S.S.R.	1,031
1951 Crockcroft JD	Britain	93	Townes CH	U.S.	2,570
Walton E	Ireland	112	1965 Feynman RP	U.S.	6,031
1952 Bloch F	U.S.	2,188	Schwinger JS	U.S.	4,855
Purcell EM	U.S.	577	Tomonaga S	Japan	236
1953 Zernike F	Netherlands	467	1966 Kastler A	France	570
1954 Born M	Germany	9,206	1967 Bethe HA	U.S.	7,718
Bothe W	Germany	201	1968 Alvarez LW	U.S.	331
1955 Kusch P	U.S.	459	1969 Gell-Mann M	U.S.	9,669
Lamb WE Jr.	U.S.	1,625	1970 Alfvén HOG	Sweden	1,909
1956 Bardeen J	U.S.	4,788	Neel LEF	France	3,070
Brattain W	U.S.	303	1971 Gabor D	Britain	1,749
Shockley W	U.S.	3,571	1972 Bardeen J	U.S.	4,788
1957 Lee TD	U.S.	4,879	Cooper LN	U.S.	323
Yang CN	U.S.	1,728	Schrieffer JR	U.S.	1,472
1958 Cherenkov PA	U.S.S.R.	84	1973 Esaki L	Japan	747
Frank IM	U.S.S.R.	274	Giaever I	U.S.	695
Tamm IY	U.S.S.R.	1,144	Josephson B	Britain	1,265
1959 Chamberlain O	U.S.	236	1974 Hewish A	Britain	766
Segrè E	U.S.	493	Ryle M	Britain	890
1960 Glaser D	U.S.	343	1975 Bohr AN	Denmark	3,517
1961 Hofstadter R	U.S.	1,686	Mottelson BR	Denmark	1,362
Mössbauer R	Germany	436	Rainwater J	U.S.	300
1962 Landau LD	U.S.S.R.	18,888	1976 Richter B	U.S.	205
1963 Jensen JHD	Germany	79	Ting SCC	U.S.	303
Mayer MG	U.S.	290	1977 Anderson PW	U.S.	6,787
Wigner EP	U.S.	4,948	Mott NF	Britain	10,473
1964 Basov NG	U.S.S.R.	4,320	Van Vleck JH	U.S.	5,449

CHEMISTRY

1950 Alder K	Germany	4,450	1959 Heyrovsky J	Czech	1,418
Diels O	Germany	1,372	1960 Libby WF	U.S.	832
1951 McMillan EM	U.S.	97	1961 Calvin M	U.S.	2,713
Seaborg G	U.S.	638	1962 Kendrew JC	Britain	1,654
1952 Martin AJP	Britain	777	Perutz MF	Britain	4,263
Synge R	Britain	417	1963 Natta G	Italy	5,735
1953 Staudinger H	Germany	3,325	Ziegler K	Germany	3,258
1954 Pauling LC	U.S.	15,662	1964 Hodgkin DMC	Britain	359
1955 Du Vigneaud V	U.S.	1,470	1965 Woodward RB	U.S.	7,069
1956 Hinshelwood C	Britain	476	1966 Mulliken RS	U.S.	10,508
Semenov N	U.S.S.R.	1,257	1967 Elgen M	Germany	4,980
1957 Todd A	Britain	275	Norrish RGW	Britain	980
1958 Sanger F	Britain	3,716	Porter G	Britain	3,202

Figure 6.1 Nobel prize winners since 1950 in physics, chemistry, and physiology or medicine. Total citations from 1961 to 1975 based on data from the *Science Citation Index*. Names in bold type also rank among the 250 most cited primary authors from 1961 to 1975.

CHEMISTRY (continued)

Name	Country*	Total Citations 1961-1975	Name	Country*	Total Citations 1961-1975
1968 Onsager L	U.S.	3,569	1973 Fischer E	Germany	4,788
1969 Barton DHR	Britain	8,135	Wilkinson G	Britain	967
Hassel O	Norway	1,113	1974 Flory PJ	U.S.	10,247
1970 Leloir LF	Argentina	2,221	1975 Cornforth JW	Australia	2,378
1971 Herzberg G	Canada	13,110	Prelog V	Switzerland	2,229
1972 Anfinsen CB	U.S.	2,286	1976 Lipscomb WN	U.S.	1,443
Moore S	U.S.	8,167	1977 Prigogine I	Belgium	4,681
Stein WH	U.S.	1,274			

PHYSIOLOGY OR MEDICINE

1950 Hench PS	U.S.	316	1965 Monod J	France	4,791
Kendall EC	U.S.	179	1966 Huggins CB	U.S.	3,808
Reichstein T	Switzerland	1,178	Rous FP	U.S.	1,396
1951 Theiler M	South Africa	206	1967 Granit RA	Sweden	4,629
1952 Waksman SA	U.S.	2,291	Hartline HK	U.S.	1,183
1953 Lipmann FA	U.S.	2,038	Wald G	U.S.	3,002
Krebs HA	Britain	7,657	1968 Holley RW	U.S.	2,296
1954 Enders JF	U.S.	1,193	Khorana HG	U.S.	1,651
Robbins FC	U.S.	584	Nirenberg MW	U.S.	1,916
Weller TH	U.S.	1,972	1969 Delbruck M	U.S.	498
1955 Theorell AHT	Sweden	3,150	Hershey AD	U.S.	2,039
1956 Courmand AF	U.S.	1,263	Luria SE	U.S.	1,876
Forssmann W	Germany	637	1970 Axelrod J	U.S.	6,973
Richards D	U.S.	668	Katz B	Britain	4,690
1957 Bovet D	Italy	1,219	von Euler U	Sweden	8,728
1958 Beadle GW	U.S.	948	1971 Sutherland EW	U.S.	5,150
Lederberg J	U.S.	3,138	1972 Edelman GM	U.S.	3,414
Tatum EL	U.S.	285	Porter RR	Britain	2,528
1959 Kornberg A	U.S.	4,548	1973 von Frisch K	Germany	955
Ochoa S	U.S.	2,425	Lorenz KZ	Germany	1,560
1960 Burnet FM	Australia	5,553	Tinbergen N	Netherlands	1,205
Medawar PB	Britain	2,600	1974 DeDuve C	Belgium	8,445
1961 von Békésy G	U.S.	1,960	Claude A	U.S.	493
1962 Crick FHC	Britain	2,524	Palade GE	U.S.	5,969
Watson JD	U.S.	2,437	1975 Baltimore D	U.S.	2,543
Wilkins MHF	Britain	745	Dulbecco R	U.S.	4,005
1963 Eccles JC	Australia	10,104	Temin HM	U.S.	3,168
Hodgkin AL	Britain	7,500	1976 Blumberg BS	U.S.	3,555
Huxley AF	Britain	2,115	Gajdusek DC	U.S.	1,318
1964 Bloch K	U.S.	1,456	1977 Guillemin R	U.S.	2,395
Lynen F	Germany	3,020	Schally A	U.S.	2,985
1965 Jacob F	France	7,101	Yalow R	U.S.	3,658
Lwoff A	France	2,111			

* Citizenship of recipient at time of award.

Figure 6.1 (continued)