Year 1903 1904 1905 1906 1907 1908 1909 1909	Citation Studies in Denitrification No award Atomic Weight of Berylium Researches on Quinazolines Estimation of Arsenic Corrosion of Iron and Steel Atomic Weight of Chlorine Atomic Weight of Chlorine Synthesis, Constitution, and Industrial Application of Bakelite and Soluble and Fusible Resinous Condensation Products of Formaldehyde and Phenol	Medalist(s) Edward B. Voorhees No award Charles L. Parsons Marston T. Bogert Howard B. Bishop William H. Walker William A. Noyes H. C. P. Weber Leo. H. Baekeland
1911 1911 1912 1913 1914 1915	Partial Vapor Pressure of Binary Mixtures Partial Vapor Pressure of Binary Mixtures Rare Earth Compounds No award Triphenyl Methyl Chemical Reactions at Low Pressures	M. A. Rosanof C. W. Easley Charles James No award Moses Gomberg Irving Langmuir, Nobel Prize 1932
1916 1917 1918 1919 1920	Acetyl Derivatives of the Sugars  Researches on Pyrimidines  No award  Arrangements of Electrons in Atoms and Molecules	Claude S. Hudson no award Treat B. Johnson No award Irving Langmuir, Nobel Prize 1932
1921 1922 1923 1924 1925 1926 1927	Third Law of Thermodynamics No award Use of Anti-Knock Compounds in Motor Fuels Properties of Nonaqueous Solutions Alcohols, Aldehydes and Acids of the Ammonia System Chemical Activation by Alpha Particles Acids of Chaulmoogra Oil and Related Compounds	Gilbert N. Lewis no award Thomas Midgely, Jr. Charles A. Kraus E.C. Franklin Samuel C. Lind Roger Adams, National Medal of Science 1964
1928 1929 1930 1931 1932 1933	Catalysis as an Inspiration of Fundamental Research Contributions to the Chemistry of Carbohydrates Chemistry of Photography Colloid Chemistry as Applied to Leather and Sanitation Chemistry of Chlorophyll No award Chemistry of Vitamins	Hugh S. Taylor William L. Evans Samuel E. Sheppard John A. Wilson James B. Conant no award Henry C. Sherman

1935	Basic Work on Synthesis from Unsaturated Hydrocarbons	Julius A. Nieuwland
1936	Hydrogen Ion Concentration and Oxidation Reduction Equilibria	William M. Clark
1937	Metallo-organic Compounds, Especially those of Mercury. In the Field of Aliphatic Chemistry, Particularly In Molecular Rearrangements and in the	Frank C. Whitmore
1938	Configurational Relationships of the Simpler Optically ActiveOrganic Compounds	P A Levens
1939	Solubility of Nonelectrolytes	Joel H. Hildebrand
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1940	Contributions in the Field of Enzyme Chemistry	John M.Nelson
1941	Fundamental Inquiry in the Nature of the Chemical Bond	Linus Pauling, Nobel Prize 1954 (Chemistry), Nobel Prize 1962
		(Peace)
1942	Contributions to Electrochemistry	Duncan A. MacInnes
1943	Investigations in Inorganic and Physical Chemistry. Leadership in Defense	Arthur B. Lamb
1944	Against Poison Gas; and as a Teacher Administratorand Editor. Organic Chemical Contributions to the Study of Polymers	Carl S. Marvel, National Medal of Science 1986
1945	Researches on the Structure of Biotin and other Contributions to Biochemistry	Vincent du Vigneaud, Nobel Prize 1955
1946	Contributions to the Chemistry of the Viruses	Wendell M. Stanley, Nobel Prize 1946
1947	Contributions in the Field of Reaction Kinetics, Spectroscopy of Polystomic	Coorgo P. Kistiskowski
1947	Contributions in the Field of Reaction Kinetics, Spectroscopy of Polyatomic	George B. Kistiakowski
1948	Molecules and Heat Effects in Organic Reactions Co-discoverer of Pu, Am and Cm, Preeminent in the Fieldsof Nuclear Fission,	Glenn T. Seaborg, National Medal of Science 1991, Nobel Prize 1951
1940	·	Glefill 1. Seabory, National Medal of Science 1991, Nobel Prize 1991
	Plutonium Production, and the Transuranium Elements	
1949	World Leadership in Analytical Chemistry and Contributions to the Theories of	I. M. Kolthoff
	Interfacial Phenomena and Electrode Reactions Fundamental Contributions to the Fields of Insulin Chemistry,	
1950		Oskar Wintersteiner
	Steroid Hormones, Antibiotics and Alkaloids, and the First Isolation in	
	Crystalline Form of Penicillin-G and Streptomycin	
1951	Contributions to the Theory of Rate Processes in Chemistry, Biology, Metallurgy	Henry Eyring, National Medal of Science 1966
	and Physics	
1952	Pioneer Work in the Chemistry and Production of Pure Rare Earth and Actinide El	Frank H. Spedding
1953	Pioneer Work on Stable Enols, Enediols, Unusual Grignard Reactions and	Reynold C. Fuson
	Nucleophilic Substitutions	•
1954	Application of Dielectric Measurements in Elucidation of Molecular Structure	Charles P. Smyth
	and Properties of Liquids and Crystals	·
1955	Pioneer Studies on the Thermodynamics of Electrolytes, Especially the	Wendell M. Latimer
	Entropies of Ions in Aqueous Solutions	
1956	Brilliant Original Concepts and Their Use in Elucidation of Structure and	Robert Burns Woodward, National Medal of Science 1964, Nobel
	Synthesis of Complex Natural Products	Prize 1965

1957 1958	Giving Impetus, Direction and Highly Original Concepts to Physical Organic Chemle Elucidating the Mechanism of the Photosynthetic Fixation of Carbon Dioxide	Louis P. Hammett Melvin Calvin, National Medal of Science 1989, Nobel Prize 1961
1959	Important Original Contributions to Boron Chemistry, the Concept of Steric	Herbert C. Brown, National Medal of Science, Nobel Prize 1979
1960	Strains and Aromatic Substitution Pioneer Contributions to Pure and Applied Polymer Science	Herman F. Mark, National Medal of Science 1979
1961	Basic Contributions to Theory in the Area Where ChemistryMerges with Physics	Peter J. W. Debye, National Medal of Science 1965, Nobel Prize 1936
1962	Creative Contributions to Theoretical and Experimental Research on the	Paul J. Flory, National Medal of Science 1974, Nobel Prize 1974
1963	Physical Chemistry of Macromolecules Superlative Lecturer, Teacher and Writer on Organic Chemistry Pioneering	Louis F. Fieser
1964	Investigator of Polynuclear Compounds For Unselfish Devotion to the Profession of Chemistry Particularly in the Dissemination of Scientific Information - for Long-continued and Productive	Arthur C. Cope
1965	For Long-continued and Productive Research in Organic and Biochemistry	Herbert E. Carter
1966	Outstanding Contributions to the Area of Thermodynamics through Research	Frederick D. Rossini, National Medal of Science 1976
1967	Writing Organization For His Achievements in Chemistry Particularly in Vitamins and Antibiotics of Significance in Medicine	Karl Folkers, National Medal of Science 1990
1968	Total Synthesis of Triterpenoids and Steroids: Stereospecific Cyclization Reactio	William S. Johnson, National Medal of Science 1987
1969	For His Studies on Protein Synthesis in Cell Free Systems Which Have Resulted	Marshall Nirenberg, Nobel Prize 1968 (Physiology & Medicine)
1970	in Deciphering the Genetic Code For Imaginative Application of Physical Methods of Elucidation of the Chemical Mechanism of Action of Enzyme Systems Which Provide Living Organisms with	Britton Chance, National Medal of Science 1974
1971	For Outstanding Creative Contribution in the Discipline of Inorganic Chemistry	Henry Taube, National Medal of Science 1976, Nobel Prize 1983
1972	Especially Kinetics and the Mechanism of Reactions For Pioneering Studies of Organic Reaction Mechanism and Applications of	John D. Roberts, National Medal of Science 1990
1973	Nuclear Magnetic Resonance and Molecular Orbital Theory in Organic For Development of the Solid Phase Method of Synthesis of Peptides and	R. Bruce Merrifield, Nobel Prize 1984
1974	Proteins and the Stimulation This Method Gave to the Study of Polypeptides For Original Theoretical and Experimental Investigations of Protein Structures	Harold A. Scheraga
1975	and Interactions. Including the Role of Solventsin Protein Conformations For His Contributions in the Field of Inorganic Chemistry Which Have Been	F. Albert Cotton, National Medal of Science 1982
	Characterized by Insight Imagination and Extraordinary Breadth. In Particular for	
1976	Basic and Original Work on Metal Carbonyl Metal Atom Cluster and Fluxional For Outstanding Contributions to the Development of Physical Organic Chemistry	Paul D. Bartlett, National Medal of Science 1968
1977	For Contributions to Organic Chemistry. In Particularin the Technology Art and	Elias J. Corey, National Medal of Science 1988, Nobel Prize 1990
	Logic of Organic Synthesis	

1978	For Research into the Structure of High Polymers and Insights into the	Frank Alden Bovey, II
1979	Relationship between Structures and Properties For Unlocking the Chemical Secrets of the Hormones of the Anterior Pituitary	Choh Hao Li
1980	Gland Particularly ACTH HGH LPH and beta Endorphin For Outstanding Contributions to the Methodology and Art of Synthetic Organic Chemistry and for Landmarks in Natural Product Synthesis	Gilbert Stork, National Medal of Science 1982
1981	For His Outstanding Contributions in Orbital Symmetry and Electronic Structure of Transition States and Intermediates	Roald Hoffmann, National Medal of Science 1983, Nobel Prize 1981
1982	For Outstanding Contributions Both to Physical-organic and to Bio-organic	Frank H. Westheimer, National Medal of Science 1986
1983	Chemistry Which Have Clarified Rationalized and Illuminated These Fields For His Synthetic Work Including the First Compound of a Noble Gas	Neil Bartlett
1984	For His Outstanding Contributions to Mass Spectrometry and Computer- Assisted Techniques in Analytical Chemistry	Fred W. McLafferty
1985	For His Penetrating Insights into the Mechanisms of Organic Reactions	Jerome A. Berson
1986 1987	For His Outstanding Contributions in the Field of Theoretical Organic Chemistry For Pioneering Contributions to the Theory and Practice of Stereochemistry	Michael J. S. Dewar Kurt Mislow
1988	For His Outstanding Contributions in the Field of Medicinal Chemistry	Ralph F. Hirschmann, National Medal of Science 2000
1989	For His Contributions to a Unique Combination of Physical Organic Bioorganic	Ronald Breslow, National Medal of Science 1991
1990	and Biomimetic Chemistry For Outstanding Contributions in the Field of Chemical Physics as Applied to Structures and Reactions of Practical Importance	John D. Baldeschwieler, National Medal of Science 2000
1991	For Profound Theoretical Insights and Outstanding Innovations in Separation Scie J	I. Calvin Giddings
1992	For His Exceptional Structural Studies of Bioactive Molecules Using Novel and Ingenious Microscale Methods	Koji Nakanishi
1993	For Development of Cluster Chemistry; Notably Buckminsterfullerene	Richard E. Smalley, Nobel Prize 1996
1994	For Contributions to Bioorganic Chemistry: In Particular in the Methods and	Peter B. Dervan, National Medal of Science 2006
1995	Chemical Principles for Recognition of Nucleic Acids by Synthetic Molecules. For Creative Contributions in Bioinorganic and Organometallic Chemistry Characterized by Extraordinary Breadth and Depth That Have Characterized by	Stephen J. Lippard, National Medal of Science 2004
1996	For Creative Work in the Art and Science of Chemical Synthesis and Molecular D I	K. C. Nicolaou
1997	For Her Contributions to Bioinorganic Chemistry: In Particular n the Application of Transition Metal Complexes to Probe DNA Recognitionand Reactions	Jacqueline K. Barton, National Medal of Science 2010
1998	For Pioneering the Development of the Field of Femtochemistry	Ahmed H. Zewail, Nobel Prize 1999
1999	For his contributions to bioorganic chemistry: in particular for creative	Samuel J. Danishefsky

2000 2001 2002	contributions at the interface of organic synthesis and biology For Outstanding Contributions in the Use of Novel Methodologies for Synthetic C For Outstanding Contributions to Understanding Signal Transduction Pathways by Merging Synthetic Organic Chemistry and Molecular Cell Biology Approaches For Outstanding Contributions to the Field of Conducting Polymers	Barry M. Trost Stuart L. Schreiber Alan G. MacDiarmid, Nobel Prize 2000
2003	For The Currents of Life: Electron Flow Through Iron and Copper Proteins	Harry Gray, National Medal of Science 1986
2004	For the Invention and Development of the Scanning Electrochemical Microscope (SECM) which has Allowed High Resolution Chemical Imaging of Surfaces and Reactions on the Nanometer Scale	Allen J. Bard, National Medal of Science 2011
2005	For Pioneering Studies of Chemical Reactions on the Molecular Level	Richard N. Zare, National Medal of Science 1983
2006	For Click Chemistry, A New Strategy for Chemical Discovery	K. Barry Sharpless, Nobel Prize 2001 (Chemistry), Nobel Prize 2022
2007 2008 2009 2010	For Pioneering Research on the Photochemistry of Organic Molecules and Supramolecular Systems For Founding and Establishing the Field of Structural DNA Nanotechnology For New Methods at the Interface of Chemistry and Biology Pioneering Research in Catalysis and Soft Matter Electronics	(Chemistry) Nicholas J. Turro  Nadrian C. Seeman Carolyn R. Bertozzi, Nobel Prize 2022 Tobin J. Marks, National Medal of Science 2005
2011 2012 2013 2014 2015	Advances in the Science of Molecular Recognition and Encapsulation Advances in Fourier Transform Ion Cyclotron Resonance Mass Spectrometry Contributions to Inorganic Photochemistry For outstanding Contributions to Synthetic Organic Chemistry For outstanding Contributions to the Elucidation of Novel Highly Selective Nanoc	Julius Rebek, Jr. Alan G. Marshall Richard Eisenberg Amos B. Smith, III Gabor A. Somorjai, National Medal of Science 2001
2016 2017 2018 2019 2020 2021 2022 2023 2024 2025	For Landmark Contributions to Organometallic Chemistry, Ligand Design and Ca For Pioneering Practical Applications of Nanochemistry For Pioneering 3D Nanoarchitectures for Energy-relevant Materials For Contributions to Interfacial Environmental Chemistry For the development of Atom Transfer Radical Polymerization No Award For pioneering contributions to marine bioinorganic chemistry For pioneering work in organometallic reaction mechanisms For groundbreaking quantum insights in sustainable catalysis For activity-based protein profiling & covalent drug discovery	Stephen L. Buchwald Chad A. Mirkin Debra R. Rolison Vicki H. Grassian Krzysztof Matyjaszewski No Award Alison Butler Karen I. Goldberg Emily A. Carter Benjamin F. Cravatt