

WILLIAM A. GODDARD III, biosketch

California Institute of Technology:

Charles and Mary Ferkel Professor of Chemistry, Materials Science, and Applied Physics Director of Materials and Process Simulation Center (MSC)

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Education and training

Ph.D. Engineering Science (minor physics), California Institute of Technology, 1965 (Oct. 1964)

BS Engineering (Highest Honors), University of California, Los Angeles, 1960.

Research and Professional experience (all at Caltech):

2001-present Charles and Mary Ferkel Professor of Chemistry, Materials Science, Appl. Phys.

1990-present Director of Materials and Process Simulation Center (MSC).

1984-2001 Charles and Mary Ferkel Professor of Chemistry and Applied Physics

1978-1984 Professor of Chemistry and Applied Physics

Jan. 1967-1978 Assistant, Associate, and Full Professor of Theoretical Chemistry

Nov. 1964-Dec. 1966 Alfred A. Noyes Research Fellow of Chemistry

Publications: total over 1545 (H index = 182, I-10 index 1333)

Patents: 27 Patents issued, 15 pending <https://caltech-msc.github.io/publications/pubs-current.html>

Awards and Honors (Selected since 1984):

- Member of National Academy of Science (1984)
- Member of International Academy of Quantum Molecular Science (1988)
- ACS Award for Computers in Chemistry (1988)
- Elected Fellow of American Physical Society (1988)
- Elected Fellow of American Association for the Advancement of Science (1990)
- Awarded Richard M. Badger Teaching Prize in Chemistry, Caltech (1995)
- Awarded Feynman Prize for Nanotechnology Theory (1999)
- Awarded NASA Space Sciences Award (2000)
- Richard Chace Tolman Prize from the Southern California Section of the ACS (2000)
- Named as one of the 99 most Highly Cited Chemists for 1981 to 1999 (<http://isihighlycited.com>)
- Honoris Causa Philosophia Doctorem, Uppsala University, Sweden, January 2004
- American Chemical Society Award for Theoretical Chemistry (2007)
- Elected Fellow of the Royal Society, Chemistry (2008)
- Awarded NASA Space Sciences Award for Space Shuttle Sensor (2009)
- Elected Fellow of the American Academy of Arts and science (2010)
- Awarded NASA Space Sciences Award for polymer films (2012)
- 7th World Congress Oxidation Catalysis Award Distinguished Scientific Achievement in Catalysis (2013)
- World Class University Professor in the Energy Environment Water Sustainability (EEWS) graduate school at KAIST (Korea Advanced Institute for Science and Technology) 2009-2013.
- Named ISI Highly Cited Chemist for 2014 (<http://isihighlycited.com>)
- IISc-DST Centenary Chair Professor at the Indian Institute of Science, Bangalore India, 2015
- Named ISI Highly Cited Chemist for 2015 (<http://isihighlycited.com>)
- Named ISI Highly Cited Chemist for 2016 (<http://isihighlycited.com>)
- Named Clarivate Highly Cited Researcher (Cross Field) for 2018 (<https://hcr.clarivate.com/>)
- Named Clarivate Highly Cited Researcher (Chemistry) for 2019 (<https://hcr.clarivate.com/>)
- Named Clarivate Highly Cited Researcher (Chemistry) for 2020 (<https://hcr.clarivate.com/>)
- Lifetime Contribution Award UCLA Henry Samueli School of Engineering Feb. 2020
- Named Clarivate Highly Cited Researcher (Cross field) for 2021 (<https://hcr.clarivate.com/>)
- Named #17 international (#12 US) Best Chemistry Scientists by Research.com (<https://research.com/scientists-rankings/chemistry>) based on D-index (chem only)

