

Education and employment:

B.S. (Engineering Physics) Cornell University,	1967
Ph. D. (Planetary Science) California Institute of Technology	1973
University of Massachusetts, Amherst	1973-1974
National Research Council (NAS-NRC Associate)	1974-1976
University of California, Berkeley	1976-1978
Ames Research Center, NASA; Space Science Division	1978-2023
(Chief, Theoretical Studies Branch/Planetary Systems Branch	1993-1996)
Ames Associate, Ames Research Center	2024-2025
Senior Research Scientist, SETI Institute	2026-

Selected roles and responsibilities:

Voyager Imaging Team member	1978-1990
Cassini Joint NASA-ESA Science Steering Group	1984-1988
Icarus Editorial Board	1986-1988
Space and Earth Science Advisory Committee (SESAC, SScAC)	1987-1991
Interdisciplinary Scientist for Rings and Dust, Cassini Mission	1990-2018
Associate Editor, Icarus	1991-2006
Associate Editor, J. Geophys. Research (Planets)	1991-1995
Solar System Exploration Subcommittee (SSEC; SSES)	1991-2000; 2000-2004

Selected honors and awards:

Lawrence Sperry Award, AIAA	1982
Exceptional Scientific Achievement Medal, NASA	1982, 1986, 1999
AGU Fellow	2006
Gerard P. Kuiper Award, AAS/DPS	2010
Leonard Medal, Meteoritical Society	2015
Exceptional Reviewer, Icarus	1991, 1993, 2021

Selected relevant publications from over the years:**Planetary Rings and Radiative transfer**

Cuzzi, J. N., Van Blerkom, D., "Microwave brightness of Saturn's rings", *Icarus*, 22, pp. 149-158, 1974

Cuzzi, J. N., Pollack, J. B., "Saturn's rings: Particle composition and size distribution as constrained by microwave observations. I - Radar observations", *Icarus*, 33, pp. 233-262, 1978

Cuzzi, J. N., Burns, J. A., Durisen, R. H., Hamill, P. M., "The vertical structure and thickness of Saturn's rings", *Nature*, 281, pp. 202-204, 1979

Pollack, J. B., Cuzzi, J. N., "Scattering by non-spherical particles of size comparable to a wavelength - a new semi-empirical theory and its application to Tropospheric Aerosols", *Journal of the Atmospheric Sciences*, 37, pp. 868-881, 1980

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Cuzzi, J. N., Ackerman, T. P., Helmle, L. C., "The delta-four-stream approximation for radiative flux transfer", *Journal of the Atmospheric Sciences*, 39, pp. 917-925, 1982

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Cuzzi, J. N., "Rings of Uranus: Not so Thick, Not so Black", *Icarus*, 63, 312-316, 1985

Cuzzi, J. N., Scargle, J. D., "Wavy Edges Suggest Moonlet in Encke's Gap", *Astrophysical Journal*, 292, pp. 276-290, 1985

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- Cuzzi, J. N., and R. H. Durisen (1990) Meteoroid bombardment of planetary rings; General formulation and effects of Oort cloud projectiles; *Icarus*, 84, 467-501
- Showalter, M. R., K. J. Bollinger, J. N. Cuzzi, and P. D. Nicholson (1996) The Rings Node of the Planetary Data System; *Planetary and Space Science* 44, 33-45
- Cuzzi, J. N. and P. R. Estrada (1998) Compositional Evolution of Saturn's Rings due to Meteoroid Bombardment; *Icarus*, 132, 1-35
- Cuzzi, J. N., R. C. French, and L. Dones (2002) HST multicolor (255 - 1042 nm) photometry of Saturn's main rings. I: radial profiles, phase and tilt angle variations, and regional spectra. *Icarus*, 158, 199-223
- Cuzzi, J. N., J. E. Colwell, L. W. Esposito, C. C. Porco, C. E. Murray, P. D. Nicholson, L. Spilker, E. A. Marouf, R. C. French, N. Rappaport, and D. Muhleman (2002); Saturn's Rings: Pre-Cassini status and mission goals; *Space Science Reviews*, 104, 209-251
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- Burns, J. A. and J. N. Cuzzi (2006) Our local astrophysical laboratory; *Science*, invited "Perspective"; *Science* 312, 1753 (invited)
- Chambers, L. S., J. N. Cuzzi, E. Asphaug, J. Colwell, and S. Sugita (2008) Hydrodynamical and radiative transfer modeling of meteoroid impacts into Saturn's rings; *Icarus*, 194, p. 623-635.
- Cuzzi, J., R. Clark, G. Filacchione, R. French, R. Johnson, E. Marouf, L. Spilker (2009) Ring Particle Composition and Size Distribution; a review chapter for the Symposium and Book "The Saturn System from Cassini-Huygens"; Springer
- Cuzzi, J. N., and 22 coauthors (2010) An Evolving View of Saturn's Dynamic Rings; *Science* (Invited Review) 19 March 2010: 327. no. 5972, pp. 1470 - 1475 DOI: 10.1126/science.1179118
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- Cuzzi, J. N., P. R. Estrada, and S. S. Davis (2014) Utilitarian opacity model for aggregate particles in protoplanetary nebulae and exoplanet atmospheres; *The Astrophysical Journal Supplement*, Volume 210, Issue 2, article id. 21
- S. Vahidinia, J. N. Cuzzi, M. Marley, J. Fortney (2014) Cloud base signature in transmission spectra of exoplanet atmospheres; *ApJ Letters*, 789, Issue 1, article id. L11
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