

# Charles A Barth

## List of Publications by Year in descending order

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24  
papers

1,596  
citations

394421

19  
h-index

642732

23  
g-index

24  
all docs

24  
docs citations

24  
times ranked

900  
citing authors

#	ARTICLE	IF	CITATIONS
1	Joule heating and nitric oxide in the thermosphere, 2. Journal of Geophysical Research, 2010, 115, .	3.3	20
2	The Cassini Ultraviolet Imaging Spectrograph Investigation. Space Science Reviews, 2004, 115, 299-361.	8.1	210
3	A model of nitric oxide in the lower thermosphere. Journal of Geophysical Research, 2002, 107, SIA 22-1-SIA 22-12.	3.3	95
4	Auroral production of nitric oxide measured by the SNOE satellite. Geophysical Research Letters, 1999, 26, 1259-1262.	4.0	69
5	Measurements of the solar soft X-ray irradiance from the Student Nitric Oxide Explorer. Geophysical Research Letters, 1999, 26, 1255-1258.	4.0	23
6	Solar-terrestrial coupling: Solar soft X-rays and thermospheric nitric oxide. Geophysical Research Letters, 1999, 26, 1251-1254.	4.0	53
7	ATMOS observations of nitric oxide in the mesosphere and lower thermosphere. Journal of Geophysical Research, 1996, 101, 12489-12494.	3.3	10
8	Nitric oxide in the lower thermosphere. Planetary and Space Science, 1992, 40, 315-336.	1.7	125
9	Reference models for thermospheric no. Advances in Space Research, 1990, 10, 103-115.	2.6	34
10	Comparison of 10.7 cm radio flux with SME solar Lyman alpha flux. Geophysical Research Letters, 1990, 17, 571-574.	4.0	79
11	Solar-terrestrial coupling: Low-latitude thermospheric nitric oxide. Geophysical Research Letters, 1988, 15, 92-94.	4.0	99
12	Rocket observation of the NII 2143 A emission in an aurora. Geophysical Research Letters, 1987, 14, 479-482.	4.0	9
13	Seasonal variations of ozone in the upper mesosphere and gravity waves. Geophysical Research Letters, 1984, 11, 673-676.	4.0	82
14	Measurements of stratospheric NO <sub>2</sub> from the Solar Mesosphere Explorer satellite: 1. An overview of the results. Journal of Geophysical Research, 1984, 89, 1327-1340.	3.3	76
15	Solar Mesosphere Explorer Near-Infrared Spectrometer: Measurements of 1.27-1.4 μm radiances and the inference of mesospheric ozone. Journal of Geophysical Research, 1984, 89, 9569-9580.	3.3	126
16	Solar Mesosphere Explorer Ultraviolet Spectrometer: Measurements of ozone in the 1.0-0.1 mbar region. Journal of Geophysical Research, 1984, 89, 11677-11687.	3.3	77
17	Solar Mesosphere Explorer to study ozone. Nature, 1981, 293, 259-260.	27.8	8
18	Scientific objectives of the Solar Mesosphere Explorer mission. Pure and Applied Geophysics, 1980, 118, 591-615.	1.9	35

#	ARTICLE	IF	CITATIONS
19	Mariner 5 measurements of ultraviolet emission from the Galaxy. Symposium - International Astronomical Union, 1970, 36, 334-340.	0.1	1
20	Theory of nitric oxide in the Earth's atmosphere. Journal of Geophysical Research, 1970, 75, 3903-3909.	3.3	105
21	Planetary Ultraviolet Spectroscopy. Applied Optics, 1969, 8, 1295.	2.1	53
22	Rocket measurement of nitric oxide in the upper atmosphere. Planetary and Space Science, 1966, 14, 623-630.	1.7	70
23	Rocket measurement of the nitric oxide dayglow. Journal of Geophysical Research, 1964, 69, 3301-3303.	3.3	122
24	Nitric Oxide in the Lower Thermosphere. Geophysical Monograph Series, 0, , 225-233.	0.1	15