

# 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	The Cassini Ultraviolet Imaging Spectrograph Investigation. <i>Space Science Reviews</i> , 2004, 115, 299-361.	8.1	210
2	Solar Mesosphere Explorer Near-Infrared Spectrometer: Measurements of 1.27- $\mu$ m radiances and the inference of mesospheric ozone. <i>Journal of Geophysical Research</i> , 1984, 89, 9569-9580.	3.3	126
3	Nitric oxide in the lower thermosphere. <i>Planetary and Space Science</i> , 1992, 40, 315-336.	1.7	125
4	Rocket measurement of the nitric oxide dayglow. <i>Journal of Geophysical Research</i> , 1964, 69, 3301-3303.	3.3	122
5	Theory of nitric oxide in the Earth's atmosphere. <i>Journal of Geophysical Research</i> , 1970, 75, 3903-3909.	3.3	105
6	Solar-terrestrial coupling: Low-latitude thermospheric nitric oxide. <i>Geophysical Research Letters</i> , 1988, 15, 92-94.	4.0	99
7	A model of nitric oxide in the lower thermosphere. <i>Journal of Geophysical Research</i> , 2002, 107, SIA 22-1-SIA 22-12.	3.3	95
8	Seasonal variations of ozone in the upper mesosphere and gravity waves. <i>Geophysical Research Letters</i> , 1984, 11, 673-676.	4.0	82
9	Comparison of 10.7 cm radio flux with SME solar Lyman alpha flux. <i>Geophysical Research Letters</i> , 1990, 17, 571-574.	4.0	79
10	Solar Mesosphere Explorer Ultraviolet Spectrometer: Measurements of ozone in the 1.0-0.1 mbar region. <i>Journal of Geophysical Research</i> , 1984, 89, 11677-11687.	3.3	77
11	Measurements of stratospheric NO <sub>2</sub> from the Solar Mesosphere Explorer satellite: 1. An overview of the results. <i>Journal of Geophysical Research</i> , 1984, 89, 1327-1340.	3.3	76
12	Rocket measurement of nitric oxide in the upper atmosphere. <i>Planetary and Space Science</i> , 1966, 14, 623-630.	1.7	70
13	Auroral production of nitric oxide measured by the SNOE satellite. <i>Geophysical Research Letters</i> , 1999, 26, 1259-1262.	4.0	69
14	Planetary Ultraviolet Spectroscopy. <i>Applied Optics</i> , 1969, 8, 1295.	2.1	53
15	Solar-terrestrial coupling: Solar soft X-rays and thermospheric nitric oxide. <i>Geophysical Research Letters</i> , 1999, 26, 1251-1254.	4.0	53
16	Scientific objectives of the Solar Mesosphere Explorer mission. <i>Pure and Applied Geophysics</i> , 1980, 118, 591-615.	1.9	35
17	Reference models for thermospheric no. <i>Advances in Space Research</i> , 1990, 10, 103-115.	2.6	34
18	Measurements of the solar soft X-ray irradiance from the Student Nitric Oxide Explorer. <i>Geophysical Research Letters</i> , 1999, 26, 1255-1258.	4.0	23

#	ARTICLE	IF	CITATIONS
19	Joule heating and nitric oxide in the thermosphere, 2. Journal of Geophysical Research, 2010, 115, .	3.3	20
20	Nitric Oxide in the Lower Thermosphere. Geophysical Monograph Series, 0, , 225-233.	0.1	15
21	ATMOS observations of nitric oxide in the mesosphere and lower thermosphere. Journal of Geophysical Research, 1996, 101, 12489-12494.	3.3	10
22	Rocket observation of the NII 2143 A emission in an aurora. Geophysical Research Letters, 1987, 14, 479-482.	4.0	9
23	Solar Mesosphere Explorer to study ozone. Nature, 1981, 293, 259-260.	27.8	8
24	Mariner 5 measurements of ultraviolet emission from the Galaxy. Symposium - International Astronomical Union, 1970, 36, 334-340.	0.1	1