

James S A Brooke

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

815
citations

687363

13
h-index

794594

19
g-index

20
all docs

20
docs citations

20
times ranked

1144
citing authors

#	ARTICLE	IF	CITATIONS
1	LINE LISTS FOR THE $A^2\Pi^+$ (\hat{I} - $X^2\Pi^+$) (RED) AND $B^2\Sigma^+$ (\hat{I} - $X^2\Sigma^+$) (RED) AND $B^2\Sigma^+$ (\hat{I} - $X^2\Sigma^+$) - $X^2\Sigma^+$ (\hat{I} - $X^2\Sigma^+$) ASTROPHYSICAL JOURNAL, SUPPLEMENT SERIES, 2014, 214, 26.	7.7	150
2	Line strengths and updated molecular constants for the C2 Swan system. Journal of Quantitative Spectroscopy and Radiative Transfer, 2013, 124, 11-20.	2.3	117
3	EINSTEIN A COEFFICIENTS AND OSCILLATOR STRENGTHS FOR THE $A^2\Pi^+$ (\hat{I} - $X^2\Pi^+$) (RED) AND $B^2\Sigma^+$ (\hat{I} - $X^2\Sigma^+$) - $X^2\Sigma^+$ (\hat{I} - $X^2\Sigma^+$) ASTROPHYSICAL JOURNAL, SUPPLEMENT SERIES, 2014, 210, 23.	7.7	116
4	Line strengths of rovibrational and rotational transitions in the $X^2\Pi^+$ ground state of OH. Journal of Quantitative Spectroscopy and Radiative Transfer, 2016, 168, 142-157.	2.3	106
5	SEARCHING FOR CHEMICAL SIGNATURES OF MULTIPLE STELLAR POPULATIONS IN THE OLD, MASSIVE OPEN CLUSTER NGC 6791. Astrophysical Journal, 2014, 796, 68.	4.5	64
6	IMPROVED LINE DATA FOR THE SWAN SYSTEM ^{12}C ^{13}C ISOTOPOLOGUE. Astrophysical Journal, Supplement Series, 2014, 211, 5.	7.7	45
7	Multi-model comparison of the volcanic sulfate deposition from the 1815 eruption of Mt. Tambora. Atmospheric Chemistry and Physics, 2018, 18, 2307-2328.	4.9	41
8	Line strengths of rovibrational and rotational transitions within the $X^3\Sigma^-$ ground state of NH. Journal of Chemical Physics, 2014, 141, 054310.	3.0	31
9	Einstein A-values and oscillator strengths of the $A^2\Pi^+$ system of CP. Journal of Quantitative Spectroscopy and Radiative Transfer, 2014, 138, 107-115.	2.3	27
10	Note: Improved line strengths of rovibrational and rotational transitions within the $X^3\Sigma^-$ ground state of NH. Journal of Chemical Physics, 2015, 143, 026101.	3.0	22
11	Nucleation of nitric acid hydrates in polar stratospheric clouds by meteoric material. Atmospheric Chemistry and Physics, 2018, 18, 4519-4531.	4.9	18
12	Meteoric Smoke Deposition in the Polar Regions: A Comparison of Measurements With Global Atmospheric Models. Journal of Geophysical Research D: Atmospheres, 2017, 122, 11,112.	3.3	16
13	Constraints on Meteoric Smoke Composition and Meteoric Influx Using SOFIE Observations With Models. Journal of Geophysical Research D: Atmospheres, 2017, 122, 13,495.	3.3	15
14	Greenhouse gas measurements over a 144 km open path in the Canary Islands. Atmospheric Measurement Techniques, 2012, 5, 2309-2319.	3.1	11
15	Absorption cross sections and kinetics of formation of AIO at 298 K. Chemical Physics Letters, 2017, 675, 56-62.	2.6	11
16	Impacts of meteoric sulfur in the Earth's atmosphere. Journal of Geophysical Research D: Atmospheres, 2017, 122, 7678-7701.	3.3	10
17	Molecular line lists: The ro-vibrational spectra of NaF and KF. Journal of Quantitative Spectroscopy and Radiative Transfer, 2016, 169, 104-110.	2.3	7
18	Retrieval and validation of carbon dioxide, methane and water vapor for the Canary Islands IR-laser occultation experiment. Atmospheric Measurement Techniques, 2015, 8, 3315-3336.	3.1	5

#	ARTICLE	IF	CITATIONS
19	Optical properties of meteoric smoke analogues. Atmospheric Chemistry and Physics, 2019, 19, 12767-12777.	4.9	3
20	Corrigendum to "Greenhouse gas measurements over a 144 km open path in the Canary Islands" published in Atmos. Meas. Tech., 5, 2309-2319, 2012. Atmospheric Measurement Techniques, 2012, 5, 2349-2349.	3.1	0