

Jonathan Eyre

List of Publications by Year in descending order

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16
papers

1,390
citations

687363

13
h-index

940533

16
g-index

16
all docs

16
docs citations

16
times ranked

870
citing authors

#	ARTICLE	IF	CITATIONS
1	Initial Results of Radio Occultation Observations of Earth's Atmosphere Using the Global Positioning System. <i>Science</i> , 1996, 271, 1107-1110.	12.6	246
2	Assimilation of TOVS radiance information through one-dimensional variational analysis. <i>Quarterly Journal of the Royal Meteorological Society</i> , 1993, 119, 1427-1463.	2.7	226
3	Use of cloud-cleared radiances in three/four-dimensional variational data assimilation. <i>Quarterly Journal of the Royal Meteorological Society</i> , 1994, 120, 627-653.	2.7	184
4	Accounting for correlated error in the assimilation of high-resolution sounder data. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2014, 140, 2420-2429.	2.7	110
5	The assimilation of cloud-affected infrared satellite radiances for numerical weather prediction. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2008, 134, 737-749.	2.7	108
6	Assimilation of IASI at the Met Office and assessment of its impact through observing system experiments. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2009, 135, 495-505.	2.7	99
7	A comparison of the impact of TOVS and ATOVS satellite sounding data on the accuracy of numerical weather forecasts. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2000, 126, 2911-2931.	2.7	81
8	Assimilation of satellite data in numerical weather prediction. Part I: The early years. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2020, 146, 49-68.	2.7	65
9	Estimating interchannel observation error correlations for IASI radiance data in the Met Office system. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2014, 140, 1236-1244.	2.7	63
10	Observation bias correction schemes in data assimilation systems: a theoretical study of some of their properties. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2016, 142, 2284-2291.	2.7	59
11	Assimilating GPS radio occultation measurements with two-dimensional bending angle observation operators. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2007, 133, 1213-1227.	2.7	50
12	A cloud-detection scheme for use with satellite sounding radiances in the context of data assimilation for numerical weather prediction. <i>Quarterly Journal of the Royal Meteorological Society</i> , 1999, 125, 2359-2378.	2.7	37
13	Assimilation of satellite data in numerical weather prediction. Part II: Recent years. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2022, 148, 521-556.	2.7	36
14	Sensitivity of analysis error covariance to the mis-specification of background error covariance. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2013, 139, 524-533.	2.7	13
15	The impact of the temporal spacing of observations on analysis errors in an idealised data assimilation system. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2014, 140, 1441-1452.	2.7	7
16	Observation impact metrics in NWP: A theoretical study. Part I: Optimal systems. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2021, 147, 3180-3200.	2.7	6