Robert Buras-Schnell

List of Publications by Year in Descending Order

9 papers	242 citations	6 h-index	10 g-index
10 ext. papers	281 ext. citations	3.6 avg, IF	2.83 L-index

#	Paper	IF	Citations
9	Determination of circumsolar radiation from Meteosat Second Generation. *Atmospheric Measurement Techniques*, **2014**, 7, 823-838	4	17
8	Simulation of SEVIRI infrared channels: a case study from the Eyjafjallajökull April/May 2010 eruption. *Atmospheric Measurement Techniques*, **2013**, 6, 649-660	4	8
7	paNTICA: A Fast 3D Radiative Transfer Scheme to Calculate Surface Solar Irradiance for NWP and LES Models. *Journal of Applied Meteorology and Climatology*, **2013**, 52, 1698-1715	2.7	15
6	Radiative Transfer: Methods and Applications. *Research Topics in Aerospace*, **2012**, 401-415		1
5	Cloud-Aerosol-Radiation Interaction: Towards the EarthCARE Satellite Mission. *Research Topics in Aerospace*, **2012**, 829-842		1
4	ALIS: An efficient method to compute high spectral resolution polarized solar radiances using the Monte Carlo approach. *Journal of Quantitative Spectroscopy and Radiative Transfer*, **2011**, 112, 1622-1631	2.1	34
3	New secondary-scattering correction in DISORT with increased efficiency for forward scattering. *Journal of Quantitative Spectroscopy and Radiative Transfer*, **2011**, 112, 2028-2034	2.1	73
2	The impact of aerosols on polarized sky radiance: model development, validation, and applications. *Atmospheric Chemistry and Physics*, **2010**, 10, 383-396	6.8	91
1	Solar irradiance in the heterogeneous albedo environment of the Arctic coast: measurements and a 3-D-model study		2