

# Thomas Ruhtz

## List of Publications by Year in descending order

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Version: 2024-02-01

35  
papers

1,126  
citations

516561

16  
h-index

434063

31  
g-index

50  
all docs

50  
docs citations

50  
times ranked

1354  
citing authors

#	ARTICLE	IF	CITATIONS
1	Multiple Angle Observations Would Benefit Visible Band Remote Sensing Using Night Lights. Journal of Geophysical Research D: Atmospheres, 2022, 127, .	1.2	15
2	The Use of Sentinel-2 for Chlorophyll-a Spatial Dynamics Assessment: A Comparative Study on Different Lakes in Northern Germany. Remote Sensing, 2021, 13, 1542.	1.8	21
3	Quantification of CH <sub>4</sub> coal mining emissions in Upper Silesia by passive airborne remote sensing observations with the Methane Airborne MAPper (MAMAP) instrument during the CO <sub>2</sub> and Methane (CoMet) campaign. Atmospheric Chemistry and Physics, 2021, 21, 17345-17371.	1.9	16
4	Satellite validation strategy assessments based on the AROMAT campaigns. Atmospheric Measurement Techniques, 2020, 13, 5513-5535.	1.2	6
5	Intercomparison of four airborne imaging DOAS systems for tropospheric NO <sub>2</sub> mapping – the AROMAPEX campaign. Atmospheric Measurement Techniques, 2019, 12, 211-236.	1.2	21
6	Studies of the horizontal inhomogeneities in NO <sub>2</sub> concentrations above a shipping lane using ground-based multi-axis differential optical absorption spectroscopy (MAX-DOAS) measurements and validation with airborne imaging DOAS measurements. Atmospheric Measurement Techniques, 2019, 12, 5959-5977.	1.2	9
7	The Small Whiskbroom Imager for atmospheric composition monitoring (SWING) and its operations from an unmanned aerial vehicle (UAV) during the AROMAT campaign. Atmospheric Measurement Techniques, 2018, 11, 551-567.	1.2	13
8	Airborne remote sensing and in situ measurements of atmospheric CO <sub>2</sub> to quantify point source emissions. Atmospheric Measurement Techniques, 2018, 11, 721-739.	1.2	24
9	High-resolution airborne imaging DOAS measurements of NO <sub>2</sub> above Bucharest during AROMAT. Atmospheric Measurement Techniques, 2017, 10, 1831-1857.	1.2	20
10	Upwelling of deep water during thermal stratification onset – A major mechanism of vertical transport in small temperate lakes in spring?. Water Resources Research, 2015, 51, 9612-9627.	1.7	22
11	Worldwide variations in artificial skyglow. Scientific Reports, 2015, 5, 8409.	1.6	133
12	Localization of lacustrine groundwater discharge (LGD) by airborne measurement of thermal infrared radiation. Remote Sensing of Environment, 2013, 138, 119-125.	4.6	35
13	Two camera system for measurement of urban uplight angular distribution. AIP Conference Proceedings, 2013, , .	0.3	15
14	Near-infrared extension of a visible spectrum airborne Sun photometer. , 2013, , .		0
15	Temperature Stability of the Sky Quality Meter. Sensors, 2013, 13, 12166-12174.	2.1	21
16	Citizen Science Provides Valuable Data for Monitoring Global Night Sky Luminance. Scientific Reports, 2013, 3, 1835.	1.6	66
17	Angular distribution of uplight at 10,000 ft over Berlin. Proceedings of the International Astronomical Union, 2012, 10, 738-738.	0.0	0
18	Spatial variation of aerosol optical properties around the high-alpine site Jungfraujoch (3580 m a.s.l.). Atmospheric Chemistry and Physics, 2012, 12, 7231-7249.	1.9	55

#	ARTICLE	IF	CITATIONS
19	Linking fish assemblages and spatiotemporal thermal heterogeneity in a river-floodplain landscape using high-resolution airborne thermal infrared remote sensing and in-situ measurements. Remote Sensing of Environment, 2012, 125, 134-146.	4.6	25
20	Aerial survey and spatial analysis of sources of light pollution in Berlin, Germany. Remote Sensing of Environment, 2012, 126, 39-50.	4.6	168
21	Red is the new black: how the colour of urban skyglow varies with cloud cover. Monthly Notices of the Royal Astronomical Society, 2012, 425, 701-708.	1.6	83
22	Cloud Coverage Acts as an Amplifier for Ecological Light Pollution in Urban Ecosystems. PLoS ONE, 2011, 6, e17307.	1.1	216
23	Aerosol remote sensing from moving platforms with the FUBISS radiometers. , 2010, , .		0
24	Method for retrieving the polarization properties of a waveplate assembled in a multispectral, complete polarimeter. Optics Letters, 2009, 34, 2599.	1.7	1
25	Optimization of system parameters for a complete multispectral polarimeter. Applied Optics, 2009, 48, 4767.	2.1	3
26	URMS/AMSSP (Universal Radiation Measurement System/Airborne Multi-Spectral Sunphoto- and Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 4	0.8	1
27	Dual-aureole and sun spectrometer system for airborne measurements of aerosol optical properties. Applied Optics, 2007, 46, 8542.	2.1	16
28	Effect of aerosol microphysical properties on polarization of skylight: sensitivity study and measurements. Applied Optics, 2006, 45, 8790.	2.1	65
29	Validation of MERIS Cloud-Top Pressure Using Airborne Lidar Measurements. Journal of Applied Meteorology and Climatology, 2006, 45, 1612-1621.	0.6	21
30	Airborne remote sensing of cloud radiative smoothing during the Baltex Bridge Cloud campaign. Atmospheric Research, 2004, 72, 107-127.	1.8	4
31	Sun and aureole spectrometer for airborne measurements to derive aerosol optical properties. Applied Optics, 2004, 43, 2146.	2.1	8
32	Development of a new sensor module for hyperspectral polarimetric measurements. , 2002, 4481, 242.		2
33	First results derived with a new sensor module for hyperspectral polarimetric measurements. , 2002, , .		0
34	Retrieval of aerosol optical thickness by airborne sun photometer measurements during LACE'98. Journal of Aerosol Science, 1999, 30, S437-S438.	1.8	1
35	Aerosol remote sensing over land by airborne upward/downward radiance and solar irradiance measurements during LACE'98. Journal of Aerosol Science, 1999, 30, S483-S484.	1.8	3