

Florian M Schwandner

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

1,712
citations

471509

17
h-index

677142

22
g-index

29
all docs

29
docs citations

29
times ranked

2736
citing authors

#	ARTICLE	IF	CITATIONS
1	The on-orbit performance of the Orbiting Carbon Observatory-2 (OCO-2) instrument and its radiometrically calibrated products. <i>Atmospheric Measurement Techniques</i> , 2017, 10, 59-81.	3.1	271
2	Atmospheric ammonia and particulate inorganic nitrogen over the United States. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 10295-10312.	4.9	240
3	The Orbiting Carbon Observatory-2: first 18 months of science data products. <i>Atmospheric Measurement Techniques</i> , 2017, 10, 549-563.	3.1	180
4	The Orbiting Carbon Observatory-2 early science investigations of regional carbon dioxide fluxes. <i>Science</i> , 2017, 358, .	12.6	157
5	NASA's surface biology and geology designated observable: A perspective on surface imaging algorithms. <i>Remote Sensing of Environment</i> , 2021, 257, 112349.	11.0	148
6	Spaceborne detection of localized carbon dioxide sources. <i>Science</i> , 2017, 358, .	12.6	127
7	Deposition of reactive nitrogen during the Rocky Mountain Airborne Nitrogen and Sulfur (RoMANS) study. <i>Environmental Pollution</i> , 2010, 158, 862-872.	7.5	71
8	Observations of atmospheric reactive nitrogen species in Rocky Mountain National Park and across northern Colorado. <i>Atmospheric Environment</i> , 2013, 64, 66-76.	4.1	71
9	Observations of ammonia, nitric acid, and fine particles in a rural gas production region. <i>Atmospheric Environment</i> , 2014, 83, 80-89.	4.1	61
10	Formate as an Energy Source for Microbial Metabolism in Chemosynthetic Zones of Hydrothermal Ecosystems. <i>Astrobiology</i> , 2007, 7, 873-890.	3.0	57
11	CO ₂ discharge from the bottom of volcanic Lake Rotomahana, New Zealand. <i>Geochemistry, Geophysics, Geosystems</i> , 2014, 15, 577-588.	2.5	48
12	Diffuse emission of organic trace gases from the flank and crater of a quiescent active volcano (Vulcano, Aeolian Islands, Italy). <i>Journal of Geophysical Research</i> , 2004, 109, n/a-n/a.	3.3	46
13	Long-Term Vicarious Calibration of GOSAT Short-Wave Sensors: Techniques for Error Reduction and New Estimates of Radiometric Degradation Factors. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2014, 52, 3991-4004.	6.3	42
14	High-sensitivity microchip electrophoresis determination of inorganic anions and oxalate in atmospheric aerosols with adjustable selectivity and conductivity detection. <i>Journal of Chromatography A</i> , 2009, 1216, 1503-1510.	3.7	41
15	Halocarbons and other trace heteroatomic organic compounds in volcanic gases from Vulcano (Aeolian Islands, Italy). <i>Geochimica Et Cosmochimica Acta</i> , 2013, 101, 191-221.	3.9	39
16	Spatial and temporal variability of ammonia and other inorganic aerosol species. <i>Atmospheric Environment</i> , 2012, 61, 490-498.	4.1	36
17	The Cross-Calibration of Spectral Radiances and Cross-Validation of CO ₂ Estimates from GOSAT and OCO-2. <i>Remote Sensing</i> , 2017, 9, 1158.	4.0	20
18	A geo-spatial data management system for potentially active volcanoes – GEOWARN project. <i>Computers and Geosciences</i> , 2006, 32, 29-41.	4.2	13

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19	Bi-Directional Reflectance Factor Determination of the Railroad Valley Playa. Remote Sensing, 2019, 11, 2601.	4.0	13
20	Carbon Dioxide Emissions During the 2018 Kilauea Volcano Eruption Estimated Using OCO ₂ Satellite Retrievals. Geophysical Research Letters, 2020, 47, e2020GL090507.	4.0	10
21	Ecosystem responses to elevated CO ₂ using airborne remote sensing at Mammoth Mountain, California. Biogeosciences, 2018, 15, 7403-7418.	3.3	7
22	Plant responses to volcanically elevated CO ₂ in two Costa Rican forests. Biogeosciences, 2019, 16, 1343-1360.	3.3	4
23	Spectrophotometry Applications. Experimental Methods in the Physical Sciences, 2014, 46, 457-487.	0.1	0
24	The Hydrothermal System and Geothermal Activity. Active Volcanoes of the World, 2018, , 145-201.	1.4	0