

# Antonio Di Noia

## List of Publications by Year in Descending Order

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**Version:** 2024-04-27

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

26

papers

481

citations

11

h-index

21

g-index

45

ext. papers

646

ext. citations

4.4

avg, IF

3.28

L-index

#	Paper	IF	Citations
26	Can a regional-scale reduction of atmospheric CO <sub>2</sub> during the COVID-19 pandemic be detected from space? A case study for East China using satellite XCO <sub>2</sub> retrievals. <i>Atmospheric Measurement Techniques</i> , <b>2021</b> , 14, 2141-2166	4	11
25	XCO <sub>2</sub> retrieval for GOSAT and GOSAT-2 based on the FOCAL algorithm. <i>Atmospheric Measurement Techniques</i> , <b>2021</b> , 14, 3837-3869	4	2
24	Monitoring Greenhouse Gases from Space. <i>Remote Sensing</i> , <b>2021</b> , 13, 2700	5	1
23	Aerosol retrievals from different polarimeters during the ACEPOL campaign using a common retrieval algorithm. <i>Atmospheric Measurement Techniques</i> , <b>2020</b> , 13, 553-573	4	17
22	Ensemble-based satellite-derived carbon dioxide and methane column-averaged dry-air mole fraction data sets (2003-2018) for carbon and climate applications. <i>Atmospheric Measurement Techniques</i> , <b>2020</b> , 13, 789-819	4	11
21	The Aerosol Characterization from Polarimeter and Lidar (ACEPOL) airborne field campaign. <i>Earth System Science Data</i> , <b>2020</b> , 12, 2183-2208	10.5	6
20	A decade of GOSAT Proxy satellite CH <sub>4</sub> observations. <i>Earth System Science Data</i> , <b>2020</b> , 12, 3383-3412	10.5	18
19	Toward High Precision XCO <sub>2</sub> Retrievals From TanSat Observations: Retrieval Improvement and Validation Against TCCON Measurements. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2020</b> , 125, e2020JD032794	4.4	5
18	Retrieval of liquid water cloud properties from POLDER-3 measurements using a neural network ensemble approach. <i>Atmospheric Measurement Techniques</i> , <b>2019</b> , 12, 1697-1716	4	7
17	Aerosol measurements by SPEXone on the NASA PACE mission: expected retrieval capabilities. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , <b>2019</b> , 227, 170-184	2.1	57
16	SPEX airborne spectropolarimeter calibration and performance. <i>Applied Optics</i> , <b>2019</b> , 58, 5695-5719	1.7	16
15	In-flight validation of SPEX airborne spectro-polarimeter onboard NASA's research aircraft ER-2 <b>2019</b> ,		2
14	Use of A Neural Network-Based Ocean Body Radiative Transfer Model for Aerosol Retrievals from Multi-Angle Polarimetric Measurements. <i>Remote Sensing</i> , <b>2019</b> , 11, 2877	5	10
13	Neural Networks and Support Vector Machines and Their Application to Aerosol and Cloud Remote Sensing: A Review. <i>Springer Series in Light Scattering</i> , <b>2018</b> , 279-329	1.3	7
12	Combined neural network/Phillips-Mikhonov approach to aerosol retrievals over land from the NASA Research Scanning Polarimeter. <i>Atmospheric Measurement Techniques</i> , <b>2017</b> , 10, 4235-4252	4	23
11	Space-based remote sensing of atmospheric aerosols: The multi-angle spectro-polarimetric frontier. <i>Earth-Science Reviews</i> , <b>2015</b> , 145, 85-116	10.2	62
10	Use of neural networks in ground-based aerosol retrievals from multi-angle spectropolarimetric observations. <i>Atmospheric Measurement Techniques</i> , <b>2015</b> , 8, 281-299	4	37

9	Accurate spectrally modulating polarimeters for atmospheric aerosol characterization <b>2015</b> ,		6
8	Mapping atmospheric aerosols with a citizen science network of smartphone spectropolarimeters. <i>Geophysical Research Letters</i> , <b>2014</b> , 41, 7351-7358	4.9	96
7	Atmospheric aerosol characterization with a ground-based SPEX spectropolarimetric instrument. <i>Atmospheric Measurement Techniques</i> , <b>2014</b> , 7, 4341-4351	4	34
6	Use of neural networks in ground-based aerosol retrievals from multi-angle spectropolarimetric observations <b>2014</b> ,		3
5	Tropospheric ozone column retrieval from OMI data by means of neural networks: a validation exercise with ozone soundings over Europe. <i>Eurasip Journal on Advances in Signal Processing</i> , <b>2013</b> , 2013,	1.9	3
4	Global tropospheric ozone column retrievals from OMI data by means of neural networks. <i>Atmospheric Measurement Techniques</i> , <b>2013</b> , 6, 895-915	4	11
3	On the role of visible radiation in ozone profile retrieval from nadir UV/VIS satellite measurements: An experiment with neural network algorithms inverting SCIAMACHY data. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , <b>2012</b> , 113, 1429-1436	2.1	15
2	Atmospheric aerosol characterization with a ground-based SPEX spectropolarimetric instrument		5
1	A Decade of GOSAT Proxy Satellite CH <sub>4</sub> Observations		5