

# Michael Taylor

## List of Publications by Year in descending order

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Version: 2024-02-01

32  
papers

1,083  
citations

471371

17  
h-index

414303

32  
g-index

42  
all docs

42  
docs citations

42  
times ranked

1851  
citing authors

#	ARTICLE	IF	CITATIONS
1	Satellite-based time-series of sea-surface temperature since 1981 for climate applications. <i>Scientific Data</i> , 2019, 6, 223.	2.4	213
2	Optimizing CALIPSO Saharan dust retrievals. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 12089-12106.	1.9	120
3	Dust impact on surface solar irradiance assessed with model simulations, satellite observations and ground-based measurements. <i>Atmospheric Measurement Techniques</i> , 2017, 10, 2435-2453.	1.2	89
4	KARDIA: A Matlab software for the analysis of cardiac interbeat intervals. <i>Computer Methods and Programs in Biomedicine</i> , 2010, 98, 83-89.	2.6	82
5	Measuring internationality: Reflections and perspectives on academic journals. <i>Scientometrics</i> , 2006, 67, 45-65.	1.6	81
6	Estimation of PM2.5 Concentrations in China Using a Spatial Back Propagation Neural Network. <i>Scientific Reports</i> , 2019, 9, 13788.	1.6	43
7	Breathing frequency bias in fractal analysis of heart rate variability. <i>Biological Psychology</i> , 2009, 82, 82-88.	1.1	41
8	Earth-Observation-Based Estimation and Forecasting of Particulate Matter Impact on Solar Energy in Egypt. <i>Remote Sensing</i> , 2018, 10, 1870.	1.8	39
9	Assessment of surface solar irradiance derived from real-time modelling techniques and verification with ground-based measurements. <i>Atmospheric Measurement Techniques</i> , 2018, 11, 907-924.	1.2	36
10	The siege of science. <i>Ethics in Science and Environmental Politics</i> , 2008, 8, 17-40.	4.6	35
11	Anthropogenic sulphur dioxide load over China as observed from different satellite sensors. <i>Atmospheric Environment</i> , 2016, 145, 45-59.	1.9	33
12	Global aerosol mixtures and their multiyear and seasonal characteristics. <i>Atmospheric Environment</i> , 2015, 116, 112-129.	1.9	32
13	TEMIS UV product validation using NILU-UV ground-based measurements in Thessaloniki, Greece. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 7157-7174.	1.9	32
14	Neural network radiative transfer solvers for the generation of high resolution solar irradiance spectra parameterized by cloud and aerosol parameters. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2016, 168, 176-192.	1.1	30
15	Satellite retrieval of aerosol microphysical and optical parameters using neural networks: a new methodology applied to the Sahara desert dust peak. <i>Atmospheric Measurement Techniques</i> , 2014, 7, 3151-3175.	1.2	23
16	Ten Priority Science Gaps in Assessing Climate Data Record Quality. <i>Remote Sensing</i> , 2019, 11, 986.	1.8	20
17	Natural selection of academic papers. <i>Scientometrics</i> , 2010, 85, 553-559.	1.6	19
18	Modeling the relationship between photosynthetically active radiation and global horizontal irradiance using singular spectrum analysis. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2016, 182, 240-263.	1.1	17

#	ARTICLE	IF	CITATIONS
19	Aerosol microphysical retrievals from precision filter radiometer direct solar radiation measurements and comparison with AERONET. <i>Atmospheric Measurement Techniques</i> , 2014, 7, 2013-2025.	1.2	16
20	Validation of OMI erythemal doses with multi-sensor ground-based measurements in Thessaloniki, Greece. <i>Atmospheric Environment</i> , 2018, 183, 106-121.	1.9	16
21	Particulate Matter Estimation from Photochemistry: A Modelling Approach Using Neural Networks and Synoptic Clustering. <i>Aerosol and Air Quality Research</i> , 2016, 16, 2067-2084.	0.9	9
22	A Regional Account of Flexibilization Across the EU: The "Flexible Contractual Arrangements" Composite Index and the Impact of Recession. <i>Social Indicators Research</i> , 2016, 128, 1121-1146.	1.4	9
23	Multi-modal analysis of aerosol robotic network size distributions for remote sensing applications: dominant aerosol type cases. <i>Atmospheric Measurement Techniques</i> , 2014, 7, 839-858.	1.2	8
24	Practical machine learning based on cloud computing resources. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	7
25	Rankings are the sorcerer's new apprentice. <i>Ethics in Science and Environmental Politics</i> , 2014, 13, 73-99.	4.6	6
26	Measuring internationality: Reflections and perspectives on academic journals. <i>Scientometrics</i> , 2006, 67, 45-65.	1.6	5
27	Understanding the role of open peer review and dynamic academic articles. <i>Scientometrics</i> , 2011, 88, 669-673.	1.6	4
28	NILU-UV multi-filter radiometer total ozone columns: Comparison with satellite observations over Thessaloniki, Greece. <i>Science of the Total Environment</i> , 2017, 590-591, 92-106.	3.9	2
29	Wave propagation through cyclotron resonance in the presence of large Larmor radius particles. <i>Physics of Plasmas</i> , 1995, 2, 3702-3710.	0.7	1
30	Volterra network modeling of the nonlinear finite-impulse response of the radiation belt flux. <i>AIP Conference Proceedings</i> , 2011, , .	0.3	1
31	Tutorial: Exact Solutions for the Populations of then-level Ion. <i>Publications of the Astronomical Society of the Pacific</i> , 2009, 121, 1257-1266.	1.0	0
32	Academic self-publishing: a not-so-distant future. <i>Prometheus</i> , 2013, 31, 257-263.	0.2	0