

# Yoram J Kaufman

## List of Publications by Year in Descending Order

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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.

41  
papers

13,246  
citations

35  
h-index

41  
g-index

41  
ext. papers

14,772  
ext. citations

10.1  
avg, IF

6.04  
L-index

#	Paper	IF	Citations
41	Global aerosol climatology from the MODIS satellite sensors. <i>Journal of Geophysical Research</i> , <b>2008</b> , 113,		582
40	On the twilight zone between clouds and aerosols. <i>Geophysical Research Letters</i> , <b>2007</b> , 34,	4.9	249
39	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2007</b> , 45, 730-745	8.1	25
38	Smoke and pollution aerosol effect on cloud cover. <i>Science</i> , <b>2006</b> , 313, 655-8	33.3	233
37	Disentangling the role of microphysical and dynamical effects in determining cloud properties over the Atlantic. <i>Geophysical Research Letters</i> , <b>2006</b> , 33,	4.9	18
36	Satellite-based assessment of marine low cloud variability associated with aerosol, atmospheric stability, and the diurnal cycle. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111,		72
35	Dust and pollution aerosols over the Negev desert, Israel: Properties, transport, and radiative effect. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111,		79
34	An A-Train Strategy for Quantifying Direct Climate Forcing by Anthropogenic Aerosols. <i>Bulletin of the American Meteorological Society</i> , <b>2005</b> , 86, 1795-1810	6.1	119
33	The effect of smoke, dust, and pollution aerosol on shallow cloud development over the Atlantic Ocean. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2005</b> , 102, 11207-11212	11.5	479
32	Measurement of the effect of Amazon smoke on inhibition of cloud formation. <i>Science</i> , <b>2004</b> , 303, 1342-1343	33.3	528
31	Monitoring of aerosol forcing of climate from space: analysis of measurement requirements. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , <b>2004</b> , 88, 149-161	2.1	171
30	Retrieving sources of fine aerosols from MODIS and AERONET observations by inverting GOCART model <b>2004</b> ,		1
29	An Enhanced Contextual Fire Detection Algorithm for MODIS. <i>Remote Sensing of Environment</i> , <b>2003</b> , 87, 273-282	13.2	1149
28	MODIS observation of aerosols and estimation of aerosol radiative forcing over southern Africa during SAFARI 2000. <i>Journal of Geophysical Research</i> , <b>2003</b> , 108, n/a-n/a		108
27	Evaluation of the Moderate-Resolution Imaging Spectroradiometer (MODIS) retrievals of dust aerosol over the ocean during PRIDE. <i>Journal of Geophysical Research</i> , <b>2003</b> , 108,		148
26	Profiling of a Saharan dust outbreak based on a synergy between active and passive remote sensing. <i>Journal of Geophysical Research</i> , <b>2003</b> , 108,		38
25	Water vapor retrievals using Moderate Resolution Imaging Spectroradiometer (MODIS) near-infrared channels. <i>Journal of Geophysical Research</i> , <b>2003</b> , 108, n/a-n/a		330

24	Novel algorithms for remote estimation of vegetation fraction. <i>Remote Sensing of Environment</i> , <b>2002</b> , 80, 76-87	13.2	907
23	A satellite view of aerosols in the climate system. <i>Nature</i> , <b>2002</b> , 419, 215-23	50.4	1594
22	Model Assessment of the Ability of MODIS to Measure Top-of-Atmosphere Direct Radiative Forcing from Smoke Aerosols. <i>Journals of the Atmospheric Sciences</i> , <b>2002</b> , 59, 657-667	2.1	13
21	Aerosol optical depth retrieval from GOES-8: Uncertainty study and retrieval validation over South America. <i>Journal of Geophysical Research</i> , <b>2002</b> , 107, AAC 2-1		66
20	Distinguishing tropospheric aerosols from thin cirrus clouds for improved aerosol retrievals using the ratio of 1.38- $\mu$ m and 1.24- $\mu$ m channels. <i>Geophysical Research Letters</i> , <b>2002</b> , 29, 36-1-36-4	4.9	57
19	Variability of Absorption and Optical Properties of Key Aerosol Types Observed in Worldwide Locations. <i>Journals of the Atmospheric Sciences</i> , <b>2002</b> , 59, 590-608	2.1	2159
18	Optical Properties of Atmospheric Aerosol in Maritime Environments. <i>Journals of the Atmospheric Sciences</i> , <b>2002</b> , 59, 501-523	2.1	293
17	Remote sensing of non-aerosol absorption in cloud free atmosphere. <i>Geophysical Research Letters</i> , <b>2002</b> , 29, 4-1-4-4	4.9	7
16	Relationship between surface reflectance in the visible and mid-IR used in MODIS aerosol algorithm - theory. <i>Geophysical Research Letters</i> , <b>2002</b> , 29, 31-1-31-4	4.9	67
15	Analysis of smoke impact on clouds in Brazilian biomass burning regions: An extension of Twomey's approach. <i>Journal of Geophysical Research</i> , <b>2001</b> , 106, 22907-22922		163
14	Baseline maritime aerosol: Methodology to Derive the optical thickness and scattering properties. <i>Geophysical Research Letters</i> , <b>2001</b> , 28, 3251-3254	4.9	98
13	Will aerosol measurements from Terra and Aqua Polar Orbiting satellites represent the daily aerosol abundance and properties?. <i>Geophysical Research Letters</i> , <b>2000</b> , 27, 3861-3864	4.9	103
12	Remote Sensing of Tropospheric Aerosols from Space: Past, Present, and Future. <i>Bulletin of the American Meteorological Society</i> , <b>1999</b> , 80, 2229-2259	6.1	596
11	MODIS NDVI Optimization To Fit the AVHRR Data Series Spectral Considerations. <i>Remote Sensing of Environment</i> , <b>1998</b> , 66, 343-350	13.2	85
10	Dynamic aerosol model: Urban/industrial aerosol. <i>Journal of Geophysical Research</i> , <b>1998</b> , 103, 13859-13871		104
9	Potential global fire monitoring from EOS-MODIS. <i>Journal of Geophysical Research</i> , <b>1998</b> , 103, 32215-32238		416
8	Effects of black carbon content, particle size, and mixing on light absorption by aerosols from biomass burning in Brazil. <i>Journal of Geophysical Research</i> , <b>1998</b> , 103, 32041-32050		232
7	Urban/industrial aerosol: Ground-based Sun/sky radiometer and airborne in situ measurements. <i>Journal of Geophysical Research</i> , <b>1997</b> , 102, 16849-16859		67

6	Use of a green channel in remote sensing of global vegetation from EOS-MODIS. <i>Remote Sensing of Environment</i> , <b>1996</b> , 58, 289-298	13.2	1317
5	Selection of the 1.375- $\mu\text{m}$ MODIS Channel for Remote Sensing of Cirrus Clouds and Stratospheric Aerosols from Space. <i>Journals of the Atmospheric Sciences</i> , <b>1995</b> , 52, 4231-4237	2.1	101
4	Effect of Amazon Smoke on Cloud Microphysics and Albedo-Analysis from Satellite Imagery. <i>Journal of Applied Meteorology and Climatology</i> , <b>1993</b> , 32, 729-744		185
3	The Relative Importance of Aerosol Scattering and Absorption in Remote Sensing. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>1985</b> , GE-23, 625-633	8.1	183
2	Satellite measurements of aerosol mass and transport. <i>Atmospheric Environment</i> , <b>1984</b> , 18, 2577-2584		104
1	New frontiers in remote sensing of aerosols and their radiative forcing of climate312-331		