Yoram J Kaufman

List of Publications by Citations

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	Variability of Absorption and Optical Properties of Key Aerosol Types Observed in Worldwide Locations. *Journals of the Atmospheric Sciences*, **2002**, 59, 590-608	2.1	2159
40	A satellite view of aerosols in the climate system. *Nature*, **2002**, 419, 215-23	50.4	1594
39	Use of a green channel in remote sensing of global vegetation from EOS-MODIS. *Remote Sensing of Environment*, **1996**, 58, 289-298	13.2	1317
38	An Enhanced Contextual Fire Detection Algorithm for MODIS. *Remote Sensing of Environment*, **2003** , 87, 273-282	13.2	1149
37	Novel algorithms for remote estimation of vegetation fraction. *Remote Sensing of Environment*, **2002**, 80, 76-87	13.2	907
36	Remote Sensing of Tropospheric Aerosols from Space: Past, Present, and Future. *Bulletin of the American Meteorological Society*, **1999**, 80, 2229-2259	6.1	596
35	Global aerosol climatology from the MODIS satellite sensors. *Journal of Geophysical Research*, **2008**, 113,		582
34	Measurement of the effect of Amazon smoke on inhibition of cloud formation. *Science*, **2004**, 303, 1342-5	33.3	528
33	The effect of smoke, dust, and pollution aerosol on shallow cloud development over the Atlantic Ocean. *Proceedings of the National Academy of Sciences of the United States of America*, **2005**, 102, 11207-12	11.5	479
32	Potential global fire monitoring from EOS-MODIS. *Journal of Geophysical Research*, **1998**, 103, 32215-32238		416
31	Water vapor retrievals using Moderate Resolution Imaging Spectroradiometer (MODIS) near-infrared channels. *Journal of Geophysical Research*, **2003**, 108, n/a-n/a		330
30	Optical Properties of Atmospheric Aerosol in Maritime Environments. *Journals of the Atmospheric Sciences*, **2002**, 59, 501-523	2.1	293
29	On the twilight zone between clouds and aerosols. *Geophysical Research Letters*, **2007**, 34,	4.9	249
28	Smoke and pollution aerosol effect on cloud cover. *Science*, **2006**, 313, 655-8	33.3	233
27	Effects of black carbon content, particle size, and mixing on light absorption by aerosols from biomass burning in Brazil. *Journal of Geophysical Research*, **1998**, 103, 32041-32050		232
26	Effect of Amazon Smoke on Cloud Microphysics and Albedo-Analysis from Satellite Imagery. *Journal of Applied Meteorology and Climatology*, **1993**, 32, 729-744		185
25	The Relative Importance of Aerosol Scattering and Absorption in Remote Sensing. *IEEE Transactions on Geoscience and Remote Sensing*, **1985**, GE-23, 625-633	8.1	183

24	Monitoring of aerosol forcing of climate from space: analysis of measurement requirements. *Journal of Quantitative Spectroscopy and Radiative Transfer*, **2004**, 88, 149-161	2.1	171
23	Analysis of smoke impact on clouds in Brazilian biomass burning regions: An extension of Twomey's approach. *Journal of Geophysical Research*, **2001**, 106, 22907-22922		163
22	Evaluation of the Moderate-Resolution Imaging Spectroradiometer (MODIS) retrievals of dust aerosol over the ocean during PRIDE. *Journal of Geophysical Research*, **2003**, 108,		148
21	An A-Train strategy for Quantifying Direct Climate Forcing by Anthropogenic Aerosols. *Bulletin of the American Meteorological Society*, **2005**, 86, 1795-1810	6.1	119
20	MODIS observation of aerosols and estimation of aerosol radiative forcing over southern Africa during SAFARI 2000. *Journal of Geophysical Research*, **2003**, 108, n/a-n/a		108
19	Dynamic aerosol model: Urban/industrial aerosol. *Journal of Geophysical Research*, **1998**, 103, 13859-13871		104
18	Satellite measurements of aerosol mass and transport. *Atmospheric Environment*, **1984**, 18, 2577-2584		104
17	Will aerosol measurements from Terra and Aqua Polar Orbiting satellites represent the daily aerosol abundance and properties?. *Geophysical Research Letters*, **2000**, 27, 3861-3864	4.9	103
16	Selection of the 1.375-μm MODIS Channel for Remote Sensing of Cirrus Clouds and Stratospheric Aerosols from Space. *Journals of the Atmospheric Sciences*, **1995**, 52, 4231-4237	2.1	101
15	Baseline maritime aerosol: Methodology to Derive the optical thickness and scattering properties. *Geophysical Research Letters*, **2001**, 28, 3251-3254	4.9	98
14	MODIS NDVI Optimization To Fit the AVHRR Data Series Spectral Considerations. *Remote Sensing of Environment*, **1998**, 66, 343-350	13.2	85
13	Dust and pollution aerosols over the Negev desert, Israel: Properties, transport, and radiative effect. *Journal of Geophysical Research*, **2006**, 111,		79
12	Satellite-based assessment of marine low cloud variability associated with aerosol, atmospheric stability, and the diurnal cycle. *Journal of Geophysical Research*, **2006**, 111,		72
11	Urban/industrial aerosol: Ground-based Sun/sky radiometer and airborne in situ measurements. *Journal of Geophysical Research*, **1997**, 102, 16849-16859		67
10	Relationship between surface reflectance in the visible and mid-IR used in MODIS aerosol algorithm - theory. *Geophysical Research Letters*, **2002**, 29, 31-1-31-4	4.9	67
9	Aerosol optical depth retrieval from GOES-8: Uncertainty study and retrieval validation over South America. *Journal of Geophysical Research*, **2002**, 107, AAC 2-1		66
8	Distinguishing tropospheric aerosols from thin cirrus clouds for improved aerosol retrievals using the ratio of 1.38-μm and 1.24-μm channels. *Geophysical Research Letters*, **2002**, 29, 36-1-36-4	4.9	57
7	Profiling of a Saharan dust outbreak based on a synergy between active and passive remote sensing. *Journal of Geophysical Research*, **2003**, 108,		38

6	. *IEEE Transactions on Geoscience and Remote Sensing*, **2007**, 45, 730-745	8.1	25
5	Disentangling the role of microphysical and dynamical effects in determining cloud properties over the Atlantic. *Geophysical Research Letters*, **2006**, 33,	4.9	18
4	Model Assessment of the Ability of MODIS to Measure Top-of-Atmosphere Direct Radiative Forcing from Smoke Aerosols. *Journals of the Atmospheric Sciences*, **2002**, 59, 657-667	2.1	13
3	Remote sensing of non-aerosol absorption in cloud free atmosphere. *Geophysical Research Letters*, **2002**, 29, 4-1-4-4	4.9	7
2	Retrieving sources of fine aerosols from MODIS and AERONET observations by inverting GOCART model **2004**,		1
1	New frontiers in remote sensing of aerosols and their radiative forcing of climate312-331		