

Sasha Madronich

List of Publications by Year in descending order

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211
papers

17,310
citations

15504
65
h-index

18647
119
g-index

241
all docs

241
docs citations

241
times ranked

12761
citing authors

#	ARTICLE	IF	CITATIONS
1	Application of an analytical formula for UV Index reconstructions for two locations in Southwestern Spain. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 63, 1052.	1.6	13
2	Three-dimensional modeling of transport of chemical species from continents to the Atlantic Ocean. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 40, 358.	1.6	5
3	Environmental effects of stratospheric ozone depletion, UV radiation, and interactions with climate change: UNEP Environmental Effects Assessment Panel, Update 2021. <i>Photochemical and Photobiological Sciences</i> , 2022, 21, 275-301.	2.9	40
4	Environmental effects of stratospheric ozone depletion, UV radiation, and interactions with climate change: UNEP Environmental Effects Assessment Panel, Update 2020. <i>Photochemical and Photobiological Sciences</i> , 2021, 20, 1-67.	2.9	93
5	The success of the Montreal Protocol in mitigating interactive effects of stratospheric ozone depletion and climate change on the environment. <i>Global Change Biology</i> , 2021, 27, 5681-5683.	9.5	9
6	Ultraviolet Radiation Environment of a Tropical Megacity in Transition: Mexico City 2000–2019. <i>Environmental Science & Technology</i> , 2021, 55, 10946-10956.	10.0	7
7	The Montreal Protocol protects the terrestrial carbon sink. <i>Nature</i> , 2021, 596, 384-388.	27.8	38
8	Estimation of Skin and Ocular Damage Avoided in the United States through Implementation of the Montreal Protocol on Substances that Deplete the Ozone Layer. <i>ACS Earth and Space Chemistry</i> , 2021, 5, 1876-1888.	2.7	8
9	Comparison of community pathologists with expert dermatopathologists evaluating Breslow thickness and histopathologic subtype in a large international population-based study of melanoma. <i>JAAD International</i> , 2021, 4, 25-27.	2.2	3
10	Environmental effects of stratospheric ozone depletion, UV radiation and interactions with climate change: UNEP Environmental Effects Assessment Panel, update 2019. <i>Photochemical and Photobiological Sciences</i> , 2020, 19, 542-584.	2.9	59
11	Exploration of oxidative chemistry and secondary organic aerosol formation in the Amazon during the wet season: explicit modeling of the Manaus urban plume with GECKO-A. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 5995-6014.	4.9	9
12	Ultraviolet light measurements (280–400 nm) acquired from stratospheric balloon flight to assess influence on bioaerosols. <i>Aerobiologia</i> , 2019, 35, 771-776.	1.7	6
13	Ozone depletion, ultraviolet radiation, climate change and prospects for a sustainable future. <i>Nature Sustainability</i> , 2019, 2, 569-579.	23.7	156
14	Relationship of Chromosome Arm 10q Variants to Occurrence of Multiple Primary Melanoma in the Population-Based Genes, Environment, and Melanoma (GEM) Study. <i>Journal of Investigative Dermatology</i> , 2019, 139, 1410-1412.	0.7	0
15	Interactive effects of changing stratospheric ozone and climate on tropospheric composition and air quality, and the consequences for human and ecosystem health. <i>Photochemical and Photobiological Sciences</i> , 2019, 18, 775-803.	2.9	45
16	Perspective on Mechanism Development and Structure–Activity Relationships for Gas-Phase Atmospheric Chemistry. <i>International Journal of Chemical Kinetics</i> , 2018, 50, 435-469.	1.6	45
17	Environmental effects of ozone depletion, UV radiation and interactions with climate change: UNEP Environmental Effects Assessment Panel, update 2017. <i>Photochemical and Photobiological Sciences</i> , 2018, 17, 127-179.	2.9	177
18	The interaction between vitamin D receptor polymorphisms and sun exposure around time of diagnosis influences melanoma survival. <i>Pigment Cell and Melanoma Research</i> , 2018, 31, 287-296.	3.3	13

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19	Water-soluble inorganic ions of size-differentiated atmospheric particles from a suburban site of Mexico City. <i>Journal of Atmospheric Chemistry</i> , 2018, 75, 155-169.	3.2	6
20	On the discrepancy of HCl processing in the core of the wintertime polar vortices. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 8647-8666.	4.9	26
21	Response of surface ozone over the continental United States to UV radiation declines from the expected recovery of stratospheric ozone. <i>Npj Climate and Atmospheric Science</i> , 2018, 1, .	6.8	11
22	Response of Surface Ultraviolet and Visible Radiation to Stratospheric SO ₂ Injections. <i>Atmosphere</i> , 2018, 9, 432.	2.3	17
23	Exploration of the influence of environmental conditions on secondary organic aerosol formation and organic species properties using explicit simulations: development of the VBS-GECKO parameterization. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 13411-13428.	4.9	24
24	Inherited Genetic Variants Associated with Melanoma BRAF/NRAS Subtypes. <i>Journal of Investigative Dermatology</i> , 2018, 138, 2398-2404.	0.7	9
25	Solar UV radiation and microbial life in the atmosphere. <i>Photochemical and Photobiological Sciences</i> , 2018, 17, 1918-1931.	2.9	15
26	Are current guidelines for sun protection optimal for health? Exploring the evidence. <i>Photochemical and Photobiological Sciences</i> , 2018, 17, 1956-1963.	2.9	34
27	Cover Image, Volume 50, Issue 6. <i>International Journal of Chemical Kinetics</i> , 2018, 50, i-i.	1.6	0
28	Environmental effects of ozone depletion and its interactions with climate change: Progress report, 2016. <i>Photochemical and Photobiological Sciences</i> , 2017, 16, 107-145.	2.9	62
29	Improved modeling of cloudy sky actinic flux using satellite cloud retrievals. <i>Geophysical Research Letters</i> , 2017, 44, 1592-1600.	4.0	11
30	Critical appraisal of data used to infer record UVI in the tropical andes. <i>Photochemical and Photobiological Sciences</i> , 2017, 16, 785-794.	2.9	3
31	Climate change-induced increases in precipitation are reducing the potential for solar ultraviolet radiation to inactivate pathogens in surface waters. <i>Scientific Reports</i> , 2017, 7, 13033.	3.3	62
32	Associations of MC1R Genotype and Patient Phenotypes with BRAF and NRAS Mutations in Melanoma. <i>Journal of Investigative Dermatology</i> , 2017, 137, 2588-2598.	0.7	11
33	Modeling of hygroscopicity parameter kappa of organic aerosols using quantitative structure-property relationships. <i>Journal of Atmospheric Chemistry</i> , 2017, 74, 357-376.	3.2	8
34	Timescales of mixing and of chemistry: general discussion. <i>Faraday Discussions</i> , 2016, 189, 253-276.	3.2	0
35	Numerical modelling strategies for the urban atmosphere: general discussion. <i>Faraday Discussions</i> , 2016, 189, 635-660.	3.2	0
36	Non-linear partitioning and organic volatility distributions of urban aerosols. <i>Faraday Discussions</i> , 2016, 189, 515-528.	3.2	1

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37	Sources, fates, toxicity, and risks of trifluoroacetic acid and its salts: Relevance to substances regulated under the Montreal and Kyoto Protocols. Journal of Toxicology and Environmental Health - Part B: Critical Reviews, 2016, 19, 289-304.	6.5	116
38	Variants in autophagy-related genes and clinical characteristics in melanoma: a population-based study. Cancer Medicine, 2016, 5, 3336-3345.	2.8	23
39	Impact of chamber wall loss of gaseous organic compounds on secondary organic aerosol formation: explicit modeling of SOA formation from alkane and alkene oxidation. Atmospheric Chemistry and Physics, 2016, 16, 1417-1431.	4.9	87
40	Rethinking the global secondary organic aerosol (SOA) budget: stronger production, faster removal, shorter lifetime. Atmospheric Chemistry and Physics, 2016, 16, 7917-7941.	4.9	216
41	Environmental effects of ozone depletion and its interactions with climate change: progress report, 2015. Photochemical and Photobiological Sciences, 2016, 15, 141-174.	2.9	48
42	Vitamin D receptor polymorphisms and survival in patients with cutaneous melanoma: a population-based study. Carcinogenesis, 2016, 37, 30-38.	2.8	54
43	Organic photolysis reactions in tropospheric aerosols: effect on secondary organic aerosol formation and lifetime. Atmospheric Chemistry and Physics, 2015, 15, 9253-9269.	4.9	74
44	Comment on "Record solar UV irradiance in the tropical Andes, by Cabrol et al." Frontiers in Environmental Science, 2015, 3, .	3.3	11
45	Multiday production of condensing organic aerosol mass in urban and forest outflow. Atmospheric Chemistry and Physics, 2015, 15, 595-615.	4.9	27
46	Association Between <i>NRAS</i> and <i>BRAF</i> Mutational Status and Melanoma-Specific Survival Among Patients With Higher-Risk Primary Melanoma. JAMA Oncology, 2015, 1, 359.	7.1	164
47	Influence of the choice of gas-phase mechanism on predictions of key gaseous pollutants during the AQMEII phase-2 intercomparison. Atmospheric Environment, 2015, 115, 553-568.	4.1	92
48	Environmental effects of ozone depletion and its interactions with climate change: 2014 assessment : Executive summary. Photochemical and Photobiological Sciences, 2015, 14, 14-18.	2.9	11
49	Inherited Genetic Variants Associated with Occurrence of Multiple Primary Melanoma. Cancer Epidemiology Biomarkers and Prevention, 2015, 24, 992-997.	2.5	36
50	Comparison of Clinicopathologic Features and Survival of Histopathologically Amelanotic and Pigmented Melanomas. JAMA Dermatology, 2014, 150, 1306.	4.1	142
51	<i>MITF</i> E318K's effect on melanoma risk independent of, but modified by, other risk factors. Pigment Cell and Melanoma Research, 2014, 27, 485-488.	3.3	35
52	Solar ultraviolet radiation in a changing climate. Nature Climate Change, 2014, 4, 434-441.	18.8	277
53	Ozone photolysis: Strong isotopologue/isotopomer selectivity in the stratosphere. Journal of Geophysical Research D: Atmospheres, 2014, 119, 4286-4302.	3.3	23
54	Ethanol and ozone. Nature Geoscience, 2014, 7, 395-397.	12.9	32

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55	Volatility dependence of Henry's law constants of condensable organics: Application to estimate depositional loss of secondary organic aerosols. <i>Geophysical Research Letters</i> , 2014, 41, 4795-4804.	4.0	67
56	Atmospheric amines and ammonia measured with a chemical ionization mass spectrometer (CIMS). <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 12181-12194.	4.9	121
57	Effects of dust aerosols on tropospheric chemistry during a typical pre-monsoon season dust storm in northern India. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 6813-6834.	4.9	68
58	Ozone depletion and climate change: impacts on UV radiation. <i>Photochemical and Photobiological Sciences</i> , 2014, 14, 19-52.	2.9	227
59	Changes in air quality and tropospheric composition due to depletion of stratospheric ozone and interactions with changing climate: implications for human and environmental health. <i>Photochemical and Photobiological Sciences</i> , 2014, 14, 149-169.	2.9	53
60	Modeling the influence of alkane molecular structure on secondary organic aerosol formation. <i>Faraday Discussions</i> , 2013, 165, 105.	3.2	29
61	Organic aerosol formation from biogenic compounds over the Ponderosa pine forest in Colorado. , 2013, , .		0
62	Effect of aerosols and NO ₂ concentration on ultraviolet actinic flux near Mexico City during MILAGRO: measurements and model calculations. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 1011-1022.	4.9	19
63	Explicit modeling of volatile organic compounds partitioning in the atmospheric aqueous phase. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 1023-1037.	4.9	38
64	Secondary organic aerosol formation from semi- and intermediate volatility organic compounds and glyoxal: Relevance of O/C as a tracer for aqueous multiphase chemistry. <i>Geophysical Research Letters</i> , 2013, 40, 978-982.	4.0	69
65	Limited influence of dry deposition of semivolatile organic vapors on secondary organic aerosol formation in the urban plume. <i>Geophysical Research Letters</i> , 2013, 40, 3302-3307.	4.0	18
66	Impact of very short-lived halogens on stratospheric ozone abundance and UV radiation in a geo-engineered atmosphere. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 10945-10955.	4.9	53
67	Modeling SOA formation from the oxidation of intermediate volatility & n-alkanes. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 7577-7589.	4.9	85
68	Environmental effects of ozone depletion and its interactions with climate change: progress report, 2011. <i>Photochemical and Photobiological Sciences</i> , 2012, 11, 13-27.	2.9	47
69	Clinicopathologic Features of Incident and Subsequent Tumors in Patients with Multiple Primary Cutaneous Melanomas. <i>Annals of Surgical Oncology</i> , 2012, 19, 1024-1033.	1.5	45
70	Vitamin D receptor polymorphisms in patients with cutaneous melanoma. <i>International Journal of Cancer</i> , 2012, 130, 405-418.	5.1	61
71	Changes in air quality and tropospheric composition due to depletion of stratospheric ozone and interactions with climate. <i>Photochemical and Photobiological Sciences</i> , 2011, 10, 280-291.	2.9	43
72	Modeling the Multiday Evolution and Aging of Secondary Organic Aerosol During MILAGRO 2006. <i>Environmental Science & Technology</i> , 2011, 45, 3496-3503.	10.0	90

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73	Influence of Tropospheric Ozone Control on Exposure to Ultraviolet Radiation at the Surface. Environmental Science & Technology, 2011, 45, 6919-6923.	10.0	11
74	Ozone depletion and climate change: impacts on UV radiation. Photochemical and Photobiological Sciences, 2011, 10, 182-198.	2.9	403
75	Explicit modeling of organic chemistry and secondary organic aerosol partitioning for Mexico City and its outflow plume. Atmospheric Chemistry and Physics, 2011, 11, 13219-13241.	4.9	65
76	Ultraviolet actinic flux in clear and cloudy atmospheres: model calculations and aircraft-based measurements. Atmospheric Chemistry and Physics, 2011, 11, 5457-5469.	4.9	26
77	Explicit modelling of SOA formation from α -pinene photooxidation: sensitivity to vapour pressure estimation. Atmospheric Chemistry and Physics, 2011, 11, 6895-6910.	4.9	116
78	Empirical Evaluation of a Simple Analytical Formula for the Ultraviolet Index. Photochemistry and Photobiology, 2011, 87, 478-482.	2.5	9
79	Identification of chemistry-dependent artifacts on gravimetric PM fine readings at the T1 site during the MILAGRO field campaign. Atmospheric Environment, 2011, 45, 244-252.	4.1	7
80	Simulation of regional dust and its effect on photochemistry in the Mexico City area during MILAGRO experiment. Atmospheric Environment, 2011, 45, 2549-2558.	4.1	19
81	Air quality progress in North American megacities: A review. Atmospheric Environment, 2011, 45, 7015-7025.	4.1	196
82	An overview of the MILAGRO 2006 Campaign: Mexico City emissions and their transport and transformation. Atmospheric Chemistry and Physics, 2010, 10, 8697-8760.	4.9	349
83	Can 3-D models explain the observed fractions of fossil and non-fossil carbon in and near Mexico City?. Atmospheric Chemistry and Physics, 2010, 10, 10997-11016.	4.9	80
84	Long-range pollution transport during the MILAGRO-2006 campaign: a case study of a major Mexico City outflow event using free-floating altitude-controlled balloons. Atmospheric Chemistry and Physics, 2010, 10, 7137-7159.	4.9	25
85	Chemical evolution of volatile organic compounds in the outflow of the Mexico City Metropolitan area. Atmospheric Chemistry and Physics, 2010, 10, 2353-2375.	4.9	131
86	Modeling organic aerosols in a megacity: potential contribution of semi-volatile and intermediate volatility primary organic compounds to secondary organic aerosol formation. Atmospheric Chemistry and Physics, 2010, 10, 5491-5514.	4.9	340
87	Global methane emission estimates from ultraviolet irradiation of terrestrial plant foliage. New Phytologist, 2010, 187, 417-425.	7.3	69
88	Associations of Cumulative Sun Exposure and Phenotypic Characteristics with Histologic Solar Elastosis. Cancer Epidemiology Biomarkers and Prevention, 2010, 19, 2932-2941.	2.5	45
89	Nighttime chemical evolution of aerosol and trace gases in a power plant plume: Implications for secondary organic nitrate and organosulfate aerosol formation, NO_3 radical chemistry, and N_2O_5 heterogeneous hydrolysis. Journal of Geophysical Research, 2010, 115, .	3.3	67
90	A Climatology of UV Radiation, 1979–2000, 65S–65N. , 2010, , 1-20.		17

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91	Simulation of Mexico City plumes during the MIRAGE-Mex field campaign using the WRF-Chem model. Atmospheric Chemistry and Physics, 2009, 9, 4621-4638.	4.9	76
92	Modeling organic aerosols during MILAGRO: importance of biogenic secondary organic aerosols. Atmospheric Chemistry and Physics, 2009, 9, 6949-6981.	4.9	119
93	Evaluation of recently-proposed secondary organic aerosol models for a case study in Mexico City. Atmospheric Chemistry and Physics, 2009, 9, 5681-5709.	4.9	261
94	Retrieval of aerosol single scattering albedo at ultraviolet wavelengths at the T1 site during MILAGRO. Atmospheric Chemistry and Physics, 2009, 9, 5813-5827.	4.9	68
95	Weekly patterns of Mexico City's surface concentrations of CO, NO _x , PM ₁₀ and O ₃ during 1986–2007. Atmospheric Chemistry and Physics, 2008, 8, 5313-5325.	4.9	143
96	Characteristics of the NO-NO ₂ -O ₃ system in different chemical regimes during the MIRAGE-Mex field campaign. Atmospheric Chemistry and Physics, 2008, 8, 7153-7164.	4.9	32
97	AUMENTO DEL ÍNDICE SOLAR ULTRAVIOLETA CON LA ALTURA. Ingeniare, 2008, 16, .	0.3	4
98	A meteorological overview of the MILAGRO field campaigns. Atmospheric Chemistry and Physics, 2007, 7, 2233-2257.	4.9	199
99	Wildfire particulate matter in Europe during summer 2003: meso-scale modeling of smoke emissions, transport and radiative effects. Atmospheric Chemistry and Physics, 2007, 7, 4043-4064.	4.9	198
100	The SOA/VOC/NO _x system: an explicit model of secondary organic aerosol formation. Atmospheric Chemistry and Physics, 2007, 7, 5599-5610.	4.9	136
101	Correspondence. Epidemiology and Infection, 2007, 135, 1095-1098.	2.1	213
102	Effect of hydrophobic primary organic aerosols on secondary organic aerosol formation from ozonolysis of α -pinene. Geophysical Research Letters, 2007, 34, .	4.0	104
103	Photolysis rate coefficients in the upper atmosphere: Effect of line by line calculations of the O ₂ absorption cross section in the Schumann–Runge bands. Journal of Quantitative Spectroscopy and Radiative Transfer, 2007, 104, 1-11.	2.3	4
104	Analytic Formula for the Clear-sky UV Index. Photochemistry and Photobiology, 2007, 83, 1537-1538.	2.5	53
105	Characterizations of chemical oxidants in Mexico City: A regional chemical dynamical model (WRF-Chem) study. Atmospheric Environment, 2007, 41, 1989-2008.	4.1	198
106	Sensitivity of Biologically Active UV Radiation to Stratospheric Ozone Changes: Effects of Action Spectrum Shape and Wavelength Range. Photochemistry and Photobiology, 2007, 78, 456-461.	2.5	8
107	Epidemic influenza and vitamin D. Epidemiology and Infection, 2006, 134, 1129-1140.	2.1	834
108	Chemical evolution of gaseous air pollutants down-wind of tropical megacities: Mexico City case study. Atmospheric Environment, 2006, 40, 6012-6018.	4.1	76

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109	13th International Symposium on Transport and Air Pollution. Atmospheric Environment, 2006, 40, 5943.	4.1	1
110	Biogenic emissions of isoprenoids and NO in China and comparison to anthropogenic emissions. Science of the Total Environment, 2006, 371, 238-251.	8.0	65
111	Modelling the evolution of organic carbon during its gas-phase tropospheric oxidation: development of an explicit model based on a self generating approach. Atmospheric Chemistry and Physics, 2005, 5, 2497-2517.	4.9	270
112	Assessment of the reduction methods used to develop chemical schemes: building of a new chemical scheme for VOC oxidation suited to three-dimensional multiscale HO _x -NO _x -VOC chemistry simulations. Atmospheric Chemistry and Physics, 2005, 5, 2519-2538.	4.9	36
113	Simultaneous retrievals of column ozone and aerosol optical properties from direct and diffuse solar irradiance measurements. Journal of Geophysical Research, 2005, 110, .	3.3	30
114	Assessment of the global impact of aerosols on tropospheric oxidants. Journal of Geophysical Research, 2005, 110, .	3.3	289
115	Improved albedo formulation for chemistry transport models based on satellite observations and assimilated snow data and its impact on tropospheric photochemistry. Journal of Geophysical Research, 2005, 110, .	3.3	16
116	Meteorological Research Needs for Improved Air Quality Forecasting: Report of the 11th Prospectus Development Team of the U.S. Weather Research Program*. Bulletin of the American Meteorological Society, 2004, 85, 563-586.	3.3	104
117	Photochemistry in the Arctic Free Troposphere: Ozone Budget and Its Dependence on Nitrogen Oxides and the Production Rate of Free Radicals. Journal of Atmospheric Chemistry, 2004, 47, 107-138.	3.2	14
118	Seasonal variability of secondary organic aerosol: A global modeling study. Journal of Geophysical Research, 2004, 109, n/a-n/a.	3.3	78
119	Photolysis frequency of O ₃ to O(1D): Measurements and modeling during the International Photolysis Frequency Measurement and Modeling Intercomparison (IPMMI). Journal of Geophysical Research, 2004, 109, .	3.3	33
120	Actinic flux and photolysis in water droplets: Mie calculations and geometrical optics limit. Atmospheric Chemistry and Physics, 2004, 4, 2241-2250.	4.9	26
121	Photochemistry in the arctic free troposphere: NO _x budget and the role of odd nitrogen reservoir recycling. Atmospheric Environment, 2003, 37, 3351-3364.	4.1	55
122	Comparison of airborne measured and calculated spectral actinic flux and derived photolysis frequencies during the PEM Tropics B mission. Journal of Geophysical Research, 2003, 108, PEM 6-1.	3.3	42
123	Effect of sulfate aerosol on tropospheric NO _x and ozone budgets: Model simulations and TOPSE evidence. Journal of Geophysical Research, 2003, 108, .	3.3	70
124	Aerosol single scattering albedo retrieved from measurements of surface UV irradiance and a radiative transfer model. Journal of Geophysical Research, 2003, 108, n/a-n/a.	3.3	74
125	Cloud impacts on UV spectral actinic flux observed during the International Photolysis Frequency Measurement and Model Intercomparison (IPMMI). Journal of Geophysical Research, 2003, 108, .	3.3	53
126	International Photolysis Frequency Measurement and Model Intercomparison (IPMMI): Spectral actinic solar flux measurements and modeling. Journal of Geophysical Research, 2003, 108, .	3.3	47

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127	Photolysis frequency of NO ₂ : Measurement and modeling during the International Photolysis Frequency Measurement and Modeling Intercomparison (IPMMI). Journal of Geophysical Research, 2003, 108, .	3.3	52
128	Effect of clouds on photolysis and oxidants in the troposphere. Journal of Geophysical Research, 2003, 108, .	3.3	240
129	Sensitivity of Biologically Active UV Radiation to Stratospheric Ozone Changes: Effects of Action Spectrum Shape and Wavelength Range. Photochemistry and Photobiology, 2003, 78, 456.	2.5	41
130	Effect of marine boundary layer clouds on tropospheric chemistry as analyzed in a regional chemistry transport model. Journal of Geophysical Research, 2002, 107, AAC 7-1-AAC 7-12.	3.3	25
131	Relationship between photolysis frequencies derived from spectroscopic measurements of actinic fluxes and irradiances during the IPMMI campaign. Journal of Geophysical Research, 2002, 107, ACH 1-1-ACH 1-16.	3.3	29
132	Calculation of actinic fluxes with a coupled atmosphere-snow radiative transfer model. Journal of Geophysical Research, 2002, 107, ACH 22-1.	3.3	82
133	PALEOCLIMATE: Toward Solving the UV Puzzle. Science, 2002, 296, 1621-1622.	12.6	91
134	Stratospheric Ozone and Its Effects on the Biosphere. , 2002, , 317-334.		1
135	Satellite retrievals of erythemal UV dose compared with ground-based measurements at northern and southern midlatitudes. Journal of Geophysical Research, 2001, 106, 24051-24062.	3.3	101
136	Altitude effects on UV spectral irradiance deduced from measurements at Lauder, New Zealand, and at Mauna Loa Observatory, Hawaii. Journal of Geophysical Research, 2001, 106, 22845-22860.	3.3	73
137	Characterization of oscillation and a period-doubling transition to chaos reflecting dynamic instability in a simplified model of tropospheric chemistry. Journal of Geophysical Research, 2001, 106, 7553-7565.	3.3	17
138	The influence of aerosols on photochemical smog in Mexico City. Atmospheric Environment, 2001, 35, 1765-1772.	4.1	147
139	Title is missing!. Journal of Atmospheric Chemistry, 2000, 35, 59-75.	3.2	75
140	Episodic modeling of the chemical structure of the troposphere as revealed during the spring MLOPEX 2 intensive. Journal of Geophysical Research, 2000, 105, 26809-26839.	3.3	34
141	HERBIVORE-INDUCED MONOTERPENE EMISSIONS FROM CONIFEROUS FORESTS: POTENTIAL IMPACT ON LOCAL TROPOSPHERIC CHEMISTRY. , 1999, 9, 1147-1159.		35
142	The Role of Solar Radiation in Atmospheric Chemistry. Handbook of Environmental Chemistry, 1999, , 1-26.	0.4	338
143	On the NO ₂ + soot reaction in the atmosphere. Journal of Geophysical Research, 1999, 104, 1729-1736.	3.3	76
144	Photochemical modeling of OH levels during the First Aerosol Characterization Experiment (ACE 1). Journal of Geophysical Research, 1999, 104, 16041-16052.	3.3	30

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145	Photochemistry and budget of ozone during the Mauna Loa Observatory Photochemistry Experiment (MLOPEX 2). Journal of Geophysical Research, 1999, 104, 30275-30307.	3.3	36
146	Biogenic volatile organic compound emissions in central Africa during the Experiment for the Regional Sources and Sinks of Oxidants (EXPRESSO) biomass burning season. Journal of Geophysical Research, 1999, 104, 30659-30671.	3.3	52
147	Herbivore-Induced Monoterpene Emissions from Coniferous Forests: Potential Impact on Local Tropospheric Chemistry. , 1999, 9, 1147.		1
148	Changes in biologically active ultraviolet radiation reaching the Earth's surface. Journal of Photochemistry and Photobiology B: Biology, 1998, 46, 5-19.	3.8	796
149	Changes in tropospheric composition and air quality. Journal of Photochemistry and Photobiology B: Biology, 1998, 46, 83-95.	3.8	84
150	Estimation of surface actinic flux from satellite (TOMS) ozone and cloud reflectivity measurements. Geophysical Research Letters, 1998, 25, 4321-4324.	4.0	22
151	Observations of methyl nitrate in the lower stratosphere during STRAT: Implications for its gas phase production mechanisms. Geophysical Research Letters, 1998, 25, 1891-1894.	4.0	36
152	Enhanced absorption of UV radiation due to multiple scattering in clouds: Experimental evidence and theoretical explanation. Journal of Geophysical Research, 1998, 103, 31241-31254.	3.3	116
153	Effects of snow cover on UV irradiance and surface albedo: A case study. Journal of Geophysical Research, 1998, 103, 28785-28792.	3.3	66
154	Theoretical Estimation of Biologically Effective UV Radiation at the Earth's Surface. , 1997, , 23-48.		104
155	Global ozone depletion. Melanoma Research, 1997, 7, S64.	1.2	0
156	On tropospheric chemical oscillations. Journal of Geophysical Research, 1997, 102, 15949-15965.	3.3	21
157	New insights on OH: Measurements around and in clouds. Geophysical Research Letters, 1997, 24, 3033-3036.	4.0	60
158	High-Latitude Springtime Photochemistry. Part II: Sensitivity Studies of Ozone Production. Journal of Atmospheric Chemistry, 1997, 27, 155-178.	3.2	19
159	UV-B Radiation and Its Effects on the Biosphere. , 1997, , 173-198.		0
160	Possible causes for the 1990-1993 decrease in the global tropospheric CO abundances: A three-dimensional sensitivity study. Atmospheric Environment, 1996, 30, 1673-1682.	4.1	44
161	Observed and model-calculated photostationary state at Mauna Loa Observatory during MLOPEX 2. Journal of Geophysical Research, 1996, 101, 14681-14696.	3.3	59
162	HNO ₃ /NO _x ratio in the remote troposphere During MLOPEX 2: Evidence for nitric acid reduction on carbonaceous aerosols?. Geophysical Research Letters, 1996, 23, 2609-2612.	4.0	110

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163	Changes in CH ₄ and CO growth rates after the eruption of Mt. Pinatubo and their link with changes in tropical tropospheric UV flux. Geophysical Research Letters, 1996, 23, 2761-2764.	4.0	108
164	Actinometric and radiometric measurement and modeling of the photolysis rate coefficient of ozone to O(1D) during Mauna Loa Observatory Photochemistry Experiment 2. Journal of Geophysical Research, 1996, 101, 14631-14642.	3.3	68
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