

Sasha Madronich

List of Publications by Year in descending order

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Version: 2024-02-01

211
papers

17,310
citations

15466

65
h-index

18606

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.	0.8	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.	0.8	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.	1.6	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.	1.6	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.	4.2	9
6	Ultraviolet Radiation Environment of a Tropical Megacity in Transition: Mexico City 2000–2019. <i>Environmental Science & Technology</i> , 2021, 55, 10946-10956.	4.6	7
7	The Montreal Protocol protects the terrestrial carbon sink. <i>Nature</i> , 2021, 596, 384-388.	13.7	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.	1.2	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.	1.1	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.	1.6	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.	1.9	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.	0.7	6
13	Ozone depletion, ultraviolet radiation, climate change and prospects for a sustainable future. <i>Nature Sustainability</i> , 2019, 2, 569-579.	11.5	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.	0.3	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.	1.6	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.	1.0	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.	1.6	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.	1.5	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.	1.4	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.	1.9	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, .	2.6	11
22	Response of Surface Ultraviolet and Visible Radiation to Stratospheric SO ₂ Injections. <i>Atmosphere</i> , 2018, 9, 432.	1.0	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.	1.9	24
24	Inherited Genetic Variants Associated with Melanoma BRAF/NRAS Subtypes. <i>Journal of Investigative Dermatology</i> , 2018, 138, 2398-2404.	0.3	9
25	Solar UV radiation and microbial life in the atmosphere. <i>Photochemical and Photobiological Sciences</i> , 2018, 17, 1918-1931.	1.6	15
26	Are current guidelines for sun protection optimal for health? Exploring the evidence. <i>Photochemical and Photobiological Sciences</i> , 2018, 17, 1956-1963.	1.6	34
27	Cover Image, Volume 50, Issue 6. <i>International Journal of Chemical Kinetics</i> , 2018, 50, i-i.	1.0	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.	1.6	62
29	Improved modeling of cloudy sky actinic flux using satellite cloud retrievals. <i>Geophysical Research Letters</i> , 2017, 44, 1592-1600.	1.5	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.	1.6	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.	1.6	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.	0.3	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.	1.4	8
34	Timescales of mixing and of chemistry: general discussion. <i>Faraday Discussions</i> , 2016, 189, 253-276.	1.6	0
35	Numerical modelling strategies for the urban atmosphere: general discussion. <i>Faraday Discussions</i> , 2016, 189, 635-660.	1.6	0
36	Non-linear partitioning and organic volatility distributions of urban aerosols. <i>Faraday Discussions</i> , 2016, 189, 515-528.	1.6	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. <i>Journal of Toxicology and Environmental Health - Part B: Critical Reviews</i> , 2016, 19, 289-304.	2.9	116
38	Variants in autophagy-related genes and clinical characteristics in melanoma: a population-based study. <i>Cancer Medicine</i> , 2016, 5, 3336-3345.	1.3	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. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 1417-1431.	1.9	87
40	Rethinking the global secondary organic aerosol (SOA) budget: stronger production, faster removal, shorter lifetime. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 7917-7941.	1.9	216
41	Environmental effects of ozone depletion and its interactions with climate change: progress report, 2015. <i>Photochemical and Photobiological Sciences</i> , 2016, 15, 141-174.	1.6	48
42	Vitamin D receptor polymorphisms and survival in patients with cutaneous melanoma: a population-based study. <i>Carcinogenesis</i> , 2016, 37, 30-38.	1.3	54
43	Organic photolysis reactions in tropospheric aerosols: effect on secondary organic aerosol formation and lifetime. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 9253-9269.	1.9	74
44	Comment on "Record solar UV irradiance in the tropical Andes, by Cabrol et al." <i>Frontiers in Environmental Science</i> , 2015, 3, .	1.5	11
45	Multiday production of condensing organic aerosol mass in urban and forest outflow. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 595-615.	1.9	27
46	Association Between <i>NRAS</i> and <i>BRAF</i> Mutational Status and Melanoma-Specific Survival Among Patients With Higher-Risk Primary Melanoma. <i>JAMA Oncology</i> , 2015, 1, 359.	3.4	164
47	Influence of the choice of gas-phase mechanism on predictions of key gaseous pollutants during the AQMEII phase-2 intercomparison. <i>Atmospheric Environment</i> , 2015, 115, 553-568.	1.9	92
48	Environmental effects of ozone depletion and its interactions with climate change: 2014 assessment : Executive summary. <i>Photochemical and Photobiological Sciences</i> , 2015, 14, 14-18.	1.6	11
49	Inherited Genetic Variants Associated with Occurrence of Multiple Primary Melanoma. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2015, 24, 992-997.	1.1	36
50	Comparison of Clinicopathologic Features and Survival of Histopathologically Amelanotic and Pigmented Melanomas. <i>JAMA Dermatology</i> , 2014, 150, 1306.	2.0	142
51	<i>MITF</i> E318K's effect on melanoma risk independent of, but modified by, other risk factors. <i>Pigment Cell and Melanoma Research</i> , 2014, 27, 485-488.	1.5	35
52	Solar ultraviolet radiation in a changing climate. <i>Nature Climate Change</i> , 2014, 4, 434-441.	8.1	277
53	Ozone photolysis: Strong isotopologue/isotopomer selectivity in the stratosphere. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 4286-4302.	1.2	23
54	Ethanol and ozone. <i>Nature Geoscience</i> , 2014, 7, 395-397.	5.4	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.	1.5	67
56	Atmospheric amines and ammonia measured with a chemical ionization mass spectrometer (CIMS). <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 12181-12194.	1.9	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.	1.9	68
58	Ozone depletion and climate change: impacts on UV radiation. <i>Photochemical and Photobiological Sciences</i> , 2014, 14, 19-52.	1.6	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.	1.6	53
60	Modeling the influence of alkane molecular structure on secondary organic aerosol formation. <i>Faraday Discussions</i> , 2013, 165, 105.	1.6	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.	1.9	19
63	Explicit modeling of volatile organic compounds partitioning in the atmospheric aqueous phase. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 1023-1037.	1.9	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.	1.5	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.	1.5	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.	1.9	53
67	Modeling SOA formation from the oxidation of intermediate volatility alkanes. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 7577-7589.	1.9	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.	1.6	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.	0.7	45
70	Vitamin D receptor polymorphisms in patients with cutaneous melanoma. <i>International Journal of Cancer</i> , 2012, 130, 405-418.	2.3	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.	1.6	43
72	Modeling the Multiday Evolution and Aging of Secondary Organic Aerosol During MILAGRO 2006. <i>Environmental Science & Technology</i> , 2011, 45, 3496-3503.	4.6	90

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73	Influence of Tropospheric Ozone Control on Exposure to Ultraviolet Radiation at the Surface. <i>Environmental Science & Technology</i> , 2011, 45, 6919-6923.	4.6	11
74	Ozone depletion and climate change: impacts on UV radiation. <i>Photochemical and Photobiological Sciences</i> , 2011, 10, 182-198.	1.6	403
75	Explicit modeling of organic chemistry and secondary organic aerosol partitioning for Mexico City and its outflow plume. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 13219-13241.	1.9	65
76	Ultraviolet actinic flux in clear and cloudy atmospheres: model calculations and aircraft-based measurements. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 5457-5469.	1.9	26
77	Explicit modelling of SOA formation from α -pinene photooxidation: sensitivity to vapour pressure estimation. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 6895-6910.	1.9	116
78	Empirical Evaluation of a Simple Analytical Formula for the Ultraviolet Index. <i>Photochemistry and Photobiology</i> , 2011, 87, 478-482.	1.3	9
79	Identification of chemistry-dependent artifacts on gravimetric PM fine readings at the T1 site during the MILAGRO field campaign. <i>Atmospheric Environment</i> , 2011, 45, 244-252.	1.9	7
80	Simulation of regional dust and its effect on photochemistry in the Mexico City area during MILAGRO experiment. <i>Atmospheric Environment</i> , 2011, 45, 2549-2558.	1.9	19
81	Air quality progress in North American megacities: A review. <i>Atmospheric Environment</i> , 2011, 45, 7015-7025.	1.9	196
82	An overview of the MILAGRO 2006 Campaign: Mexico City emissions and their transport and transformation. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 8697-8760.	1.9	349
83	Can 3-D models explain the observed fractions of fossil and non-fossil carbon in and near Mexico City?. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 10997-11016.	1.9	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. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 7137-7159.	1.9	25
85	Chemical evolution of volatile organic compounds in the outflow of the Mexico City Metropolitan area. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 2353-2375.	1.9	131
86	Modeling organic aerosols in a megacity: potential contribution of semi-volatile and intermediate volatility primary organic compounds to secondary organic aerosol formation. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 5491-5514.	1.9	340
87	Global methane emission estimates from ultraviolet irradiation of terrestrial plant foliage. <i>New Phytologist</i> , 2010, 187, 417-425.	3.5	69
88	Associations of Cumulative Sun Exposure and Phenotypic Characteristics with Histologic Solar Elastosis. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2010, 19, 2932-2941.	1.1	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. <i>Journal of Geophysical Research</i> , 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. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 4621-4638.	1.9	76
92	Modeling organic aerosols during MILAGRO: importance of biogenic secondary organic aerosols. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 6949-6981.	1.9	119
93	Evaluation of recently-proposed secondary organic aerosol models for a case study in Mexico City. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 5681-5709.	1.9	261
94	Retrieval of aerosol single scattering albedo at ultraviolet wavelengths at the T1 site during MILAGRO. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 5813-5827.	1.9	68
95	Weekly patterns of Mexico City's surface concentrations of CO, NO _x , PM ₁₀ and O ₃ during 1986–2007. <i>Atmospheric Chemistry and Physics</i> , 2008, 8, 5313-5325.	1.9	143
96	Characteristics of the NO-NO ₂ -O ₃ system in different chemical regimes during the MIRAGE-Mex field campaign. <i>Atmospheric Chemistry and Physics</i> , 2008, 8, 7153-7164.	1.9	32
97	AUMENTO DEL ÍNDICE SOLAR ULTRAVIOLETA CON LA ALTURA. <i>Ingeniare</i> , 2008, 16, .	0.1	4
98	A meteorological overview of the MILAGRO field campaigns. <i>Atmospheric Chemistry and Physics</i> , 2007, 7, 2233-2257.	1.9	199
99	Wildfire particulate matter in Europe during summer 2003: meso-scale modeling of smoke emissions, transport and radiative effects. <i>Atmospheric Chemistry and Physics</i> , 2007, 7, 4043-4064.	1.9	198
100	The SOA/VOC/NO _x system: an explicit model of secondary organic aerosol formation. <i>Atmospheric Chemistry and Physics</i> , 2007, 7, 5599-5610.	1.9	136
101	Correspondence. <i>Epidemiology and Infection</i> , 2007, 135, 1095-1098.	1.0	213
102	Effect of hydrophobic primary organic aerosols on secondary organic aerosol formation from ozonolysis of <i>α-pinene</i> . <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	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. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2007, 104, 1-11.	1.1	4
104	Analytic Formula for the Clear-sky UV Index. <i>Photochemistry and Photobiology</i> , 2007, 83, 1537-1538.	1.3	53
105	Characterizations of chemical oxidants in Mexico City: A regional chemical dynamical model (WRF-Chem) study. <i>Atmospheric Environment</i> , 2007, 41, 1989-2008.	1.9	198
106	Sensitivity of Biologically Active UV Radiation to Stratospheric Ozone Changes: Effects of Action Spectrum Shape and Wavelength Range. <i>Photochemistry and Photobiology</i> , 2007, 78, 456-461.	1.3	8
107	Epidemic influenza and vitamin D. <i>Epidemiology and Infection</i> , 2006, 134, 1129-1140.	1.0	834
108	Chemical evolution of gaseous air pollutants down-wind of tropical megacities: Mexico City case study. <i>Atmospheric Environment</i> , 2006, 40, 6012-6018.	1.9	76

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109	13th International Symposium on Transport and Air Pollution. Atmospheric Environment, 2006, 40, 5943.	1.9	1
110	Biogenic emissions of isoprenoids and NO in China and comparison to anthropogenic emissions. Science of the Total Environment, 2006, 371, 238-251.	3.9	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.	1.9	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.	1.9	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.	1.7	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.	1.4	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.	1.9	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.	1.9	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). <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	52
128	Effect of clouds on photolysis and oxidants in the troposphere. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	240
129	Sensitivity of Biologically Active UV Radiation to Stratospheric Ozone Changes: Effects of Action Spectrum Shape and Wavelength Range. <i>Photochemistry and Photobiology</i> , 2003, 78, 456.	1.3	41
130	Effect of marine boundary layer clouds on tropospheric chemistry as analyzed in a regional chemistry transport model. <i>Journal of Geophysical Research</i> , 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. <i>Journal of Geophysical Research</i> , 2002, 107, ACH 1-1-ACH 1-16.	3.3	29
132	Calculation of actinic fluxes with a coupled atmosphere-snow radiative transfer model. <i>Journal of Geophysical Research</i> , 2002, 107, ACH 22-1.	3.3	82
133	PALEOCLIMATE: Toward Solving the UV Puzzle. <i>Science</i> , 2002, 296, 1621-1622.	6.0	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. <i>Journal of Geophysical Research</i> , 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. <i>Journal of Geophysical Research</i> , 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. <i>Journal of Geophysical Research</i> , 2001, 106, 7553-7565.	3.3	17
138	The influence of aerosols on photochemical smog in Mexico City. <i>Atmospheric Environment</i> , 2001, 35, 1765-1772.	1.9	147
139	Title is missing!. <i>Journal of Atmospheric Chemistry</i> , 2000, 35, 59-75.	1.4	75
140	Episodic modeling of the chemical structure of the troposphere as revealed during the spring MLOPEX 2 intensive. <i>Journal of Geophysical Research</i> , 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. <i>Handbook of Environmental Chemistry</i> , 1999, , 1-26.	0.2	338
143	On the NO ₂ + soot reaction in the atmosphere. <i>Journal of Geophysical Research</i> , 1999, 104, 1729-1736.	3.3	76
144	Photochemical modeling of OH levels during the First Aerosol Characterization Experiment (ACE 1). <i>Journal of Geophysical Research</i> , 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). <i>Journal of Geophysical Research</i> , 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. <i>Journal of Geophysical Research</i> , 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. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 1998, 46, 5-19.	1.7	796
149	Changes in tropospheric composition and air quality. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 1998, 46, 83-95.	1.7	84
150	Estimation of surface actinic flux from satellite (TOMS) ozone and cloud reflectivity measurements. <i>Geophysical Research Letters</i> , 1998, 25, 4321-4324.	1.5	22
151	Observations of methyl nitrate in the lower stratosphere during STRAT: Implications for its gas phase production mechanisms. <i>Geophysical Research Letters</i> , 1998, 25, 1891-1894.	1.5	36
152	Enhanced absorption of UV radiation due to multiple scattering in clouds: Experimental evidence and theoretical explanation. <i>Journal of Geophysical Research</i> , 1998, 103, 31241-31254.	3.3	116
153	Effects of snow cover on UV irradiance and surface albedo: A case study. <i>Journal of Geophysical Research</i> , 1998, 103, 28785-28792.	3.3	66
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