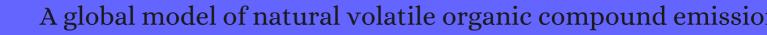
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2335	Global emissions inventories of acid-related compounds. 1995 , 85, 25-36		21
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2333	Hydrocarbon emissions from spruce species using environmental chamber and branch enclosure methods. 1996 , 30, 1381-1389		46
2332	Estimates of regional natural volatile organic compound fluxes from enclosure and ambient measurements. <i>Journal of Geophysical Research</i> , 1996 , 101, 1345-1359		116
2331	Three-dimensional view of the large-scale tropospheric ozone distribution over the North Atlantic Ocean during summer. <i>Journal of Geophysical Research</i> , 1996 , 101, 29305-29316		29
2330	A global three-dimensional model study of carbonaceous aerosols. <i>Journal of Geophysical Research</i> , 1996 , 101, 19411-19432		545
2329	Seasonal variation of the ozone production efficiency per unit NOx at Harvard Forest, Massachusetts. <i>Journal of Geophysical Research</i> , 1996 , 101, 12659-12666		64
2328	Laboratory and field studies of biogenic volatile organic compound emissions from Sitka spruce (Picea sitchensis Bong.) in the United Kingdom. <i>Journal of Geophysical Research</i> , 1996 , 101, 22799-2280	16	32
2327	Measurement of carbon dioxide and hydrocarbon fluxes from a Sitka Spruce forest using micrometeorological techniques. <i>Journal of Geophysical Research</i> , 1996 , 101, 22807-22815		25
2326	Biogenic hydrocarbon emissions from southern African savannas. <i>Journal of Geophysical Research</i> , 1996 , 101, 25859-25865		84
2325	Transport-induced interannual variability of carbon monoxide determined using a chemistry and transport model. <i>Journal of Geophysical Research</i> , 1996 , 101, 28655-28669		82
2324	Emission of low molecular mass hydrocarbons from plants. 1996 , 1, 78-82		43
2323	Leaf methanol âlthe simplest natural product from plants. 1996 , 1, 296-301		296
2322	Characterization of an Isoprene Synthase from Leaves of Quercus petraea (Mattuschka) Liebl 1996 , 109, 216-221		62
2321	Overview of the biogenic sources of atmospheric trace compounds due to agricultural activities. 1996 , 12, 129-132		
2320	Overview of the biogenic sources of atmospheric trace compounds due to agricultural activities. 1996 , 12, 129-132		
2319	Effect of water stress on monoterpene emissions from young potted holm oak (Quercus ilex L.) trees. 1996 , 107, 456-462		115

2318	Ambient biogenic hydrocarbons and isoprene emissions from a mixed deciduous forest. 1996 , 25, 67-95	72
2317	Natural and anthropogenic C2 to C6 hydrocarbons in the central-eastern Venezuelan atmosphere during the rainy season. 1996 , 25, 201-214	19
2316	Water-soluble organics in atmospheric particles: A critical review of the literature and application of thermodynamics to identify candidate compounds. 1996 , 24, 57-109	893
2315	Effects of growth under elevated UV-B on photosynthesis and isoprene emission in Quercus gambelii and Mucuna pruriens. 1996 , 2, 149-154	51
2314	SEASONAL AND SPATIAL VARIATIONS IN NATURAL VOLATILE ORGANIC COMPOUND EMISSIONS. 1997 , 7, 34-45	245
2313	Applications of biogeochemical modelling in southern Africa. 1997 , 21, 102-112	1
2312	Seasonal Pattern of Isoprene Synthase Activity in Quercus robur Leaves and its Significance for Modeling Isoprene Emission Rates. 1997 , 110, 240-243	86
2311	Product and Mechanistic Study of the Reaction of NO3Radicals with ⊞-Pinene. 1997 , 31, 2130-2135	127
2310	Atmospheric Fate of Carbonyl Oxidation Products Originating from ⊞-Pinene and B-Carene: Determination of Rate of Reaction with OH and NO3 Radicals, UV Absorption Cross Sections, and Vapor Pressures. 1997 , 31, 3166-3172	116
2309	The photochemistry of acetone in the upper troposphere: A source of odd-hydrogen radicals. 1997 , 24, 3177-3180	174
2308	Isoprene and monoterpene emissions from a eucalyptus plantation in Portugal. <i>Journal of Geophysical Research</i> , 1997 , 102, 15875-15887	53
2307	Biogenic isoprene emission: Model evaluation in a southeastern United States bottomland deciduous forest. <i>Journal of Geophysical Research</i> , 1997 , 102, 18889-18901	48
2306	A global three-dimensional chemical transport model for the troposphere: 1. Model description and CO and ozone results. <i>Journal of Geophysical Research</i> , 1997 , 102, 21239-21280	117
2305	Use of the isoprene algorithm for predicting the monoterpene emission from the Mediterranean holm oak Quercus ilex L.: Performance and limits of this approach. <i>Journal of Geophysical Research</i> , 1997 , 102, 23319-23328	52
2304	Tropospheric chemical ozone tendencies in CO-CH4-NOy-H2O system: Their sensitivity to variations in environmental parameters and their application to a global chemistry transport model study. Journal of Geophysical Research, 1997, 102, 21221-21237	50
2303	Unique products of the reaction of isoprene with atomic chlorine: Potential markers of chlorine atom chemistry. 1997 , 24, 1615-1618	37
2302	Consumption of atmospheric isoprene in soil. 1997 , 24, 2379-2382	71
2301	Atmospheric Aerosols: Biogeochemical Sources and Role in Atmospheric Chemistry. 1997 , 276, 1052-1058	1268

2300	The effects of global change on tropical ecosystems. 1997 , 79, 9-24	33
2299	Effect of aqueous phase cloud chemistry on tropospheric ozone. <i>Journal of Geophysical Research</i> , 1997 , 102, 5993-6001	66
2298	Climatologies of NOxx and NOy: A comparison of data and models. 1997 , 31, 1851-1904	99
2297	Isoprenoid emission of oak species typical for the Mediterranean area: Source strength and controlling variables. 1997 , 31, 79-88	105
2296	Effect of habitat and age on variations in volatile organic compound (VOC) emissions from Quercus ilex and Pinus pinea. 1997 , 31, 89-100	104
2295	Screening of 18 Mediterranean plant species for volatile organic compound emissions. 1997 , 31, 101-117	187
2294	Emission of short chained organic acids, aldehydes and monoterpenes from Quercus ilex L. and Pinus pinea L. in relation to physiological activities, carbon budget and emission algorithms. 1997 , 31, 119-133	196
2293	Diurnal and seasonal course of monoterpene emissions from Quercus ilex (L.) under natural conditions application of light and temperature algorithms. 1997 , 31, 135-144	138
2292	Seasonal and diurnal patterns of monoterpene emissions from Pinus pinea (L.) under field conditions. 1997 , 31, 145-156	148
2291	Biogenic emissions and CO2 gas exchange investigated on four Mediterranean shrubs. 1997 , 31, 157-166	53
2290	Biogenic emission from the Mediterranean pseudosteppe ecosystem present in Castelporziano. 1997 , 31, 167-175	27
2289	Polyphenylenesulfide, noxon an ozone scavenger for the analysis of oxygenated terpenes in air. 1997 , 31, 2741-2751	38
2288	Scaling up the biogenic emissions from test sites at Castelporziano. 1997 , 31, 239-250	34
2287	An overview of the Castelporziano experiments. 1997 , 31, 5-17	94
2286	Kinetic study of gas-phase reactions of pinonaldehyde and structurally related compounds. 1997 , 29, 527-533	90
2285	Kinetics of the Gas-Phase Reactions of OH and NO3 Radicals and O3 with the Monoterpene Reaction Products Pinonaldehyde, Caronaldehyde, and Sabinaketone. 1998 , 31, 281-297	32
2284	Atmospheric fluxes and concentrations of monoterpenes in resin-tapped pine forests. 1998 , 32, 683-691	35
2283	Methyl bromide deposition to soils. 1998 , 32, 1581-1586	36

2282	cis-pinic acid, a possible precursor for organic aerosol formation from ozonolysis of ⊞-pinene. 1998 , 32, 1657-1661	141
2281	Exchange of atmospheric formic and acetic acids with trees and crop plants under controlled chamber and purified air conditions. 1998 , 32, 1765-1775	89
2280	Ozonolysis at vegetation surfaces. 1998 , 32, 1893-1902	137
2279	Simultaneous field measurements of terpene and isoprene emissions from two dominant mediterranean oak species in relation to a North American species. 1998 , 32, 1947-1953	47
2278	Mechanistic studies of the atmospheric oxidation of methyl butenol by OH radicals, ozone and NO3 radicals. 1998 , 32, 3547-3556	44
2277	Rate constants for the reactions of methylvinyl ketone, methacrolein, methacrylic acid, and acrylic acid with ozone. 1998 , 30, 769-776	36
2276	Rate constant for the gas-phase reaction of hydroxyl radical with the natural hydrocarbon bornyl acetate. 1998 , 30, 497-502	6
2275	Atmosph [^] Eenchemie biogener Kohlenwasserstoffe. 1998 , 32, 182-191	2
2274	Absch [^] Ezung biogener Kohlenwasserstoff-Emissionen. 1998 , 10, 319-325	6
2273	Abstracts of the 6th FECS Conference 1998 Lectures. 1998 , 5, 119-96	3
2273	Abstracts of the 6th FECS Conference 1998 Lectures. 1998, 5, 119-96 Light and temperature dependence of the emission of cyclic and acyclic monoterpenes from holm oak (Quercus ilex L.) leaves. 1998, 21, 385-395	3
2272	Light and temperature dependence of the emission of cyclic and acyclic monoterpenes from holm	
2272	Light and temperature dependence of the emission of cyclic and acyclic monoterpenes from holm oak (Quercus ilex L.) leaves. 1998 , 21, 385-395 Volatile organic compound emissions from young black spruce trees. 1998 , 90, 247-255	154
2272	Light and temperature dependence of the emission of cyclic and acyclic monoterpenes from holm oak (Quercus ilex L.) leaves. 1998 , 21, 385-395 Volatile organic compound emissions from young black spruce trees. 1998 , 90, 247-255	154
2272 2271 2270	Light and temperature dependence of the emission of cyclic and acyclic monoterpenes from holm oak (Quercus ilex L.) leaves. 1998, 21, 385-395 Volatile organic compound emissions from young black spruce trees. 1998, 90, 247-255 Atmospheric oxidation products of terpenes: A new nomenclature. 1998, 37, 1207-1220 Kinetics of the Reactions of NO3Radical with Selected Monoterpenes: A Temperature Dependence	154 12 28
2272 2271 2270 2269	Light and temperature dependence of the emission of cyclic and acyclic monoterpenes from holm oak (Quercus ilex L.) leaves. 1998, 21, 385-395 Volatile organic compound emissions from young black spruce trees. 1998, 90, 247-255 Atmospheric oxidation products of terpenes: A new nomenclature. 1998, 37, 1207-1220 Kinetics of the Reactions of NO3Radical with Selected Monoterpenes: A Temperature Dependence Study. 1998, 32, 3730-3734 Determination of the Hydroxy Nitrate Yields from the Reaction of C2âC6Alkenes with OH in the	154 12 28 22
2272 2271 2270 2269 2268	Light and temperature dependence of the emission of cyclic and acyclic monoterpenes from holm oak (Quercus ilex L.) leaves. 1998, 21, 385-395 Volatile organic compound emissions from young black spruce trees. 1998, 90, 247-255 Atmospheric oxidation products of terpenes: A new nomenclature. 1998, 37, 1207-1220 Kinetics of the Reactions of NO3Radical with Selected Monoterpenes: A Temperature Dependence Study. 1998, 32, 3730-3734 Determination of the Hydroxy Nitrate Yields from the Reaction of C2âC6Alkenes with OH in the Presence of NO. 1998, 102, 8903-8908 Patterns in volatile organic compound emissions along a savanna-rainforest gradient in central	154 12 28 22 88

2264	Eddy covariance measurement of isoprene fluxes. <i>Journal of Geophysical Research</i> , 1998 , 103, 13145-13152	97
2263	Photochemical alkene formation in seawater from dissolved organic carbon: Results from laboratory experiments. <i>Journal of Geophysical Research</i> , 1998 , 103, 5707-5717	62
2262	The impact of nonmethane hydrocarbon compounds on tropospheric photochemistry. <i>Journal of Geophysical Research</i> , 1998 , 103, 10673-10696	318
2261	Emissions of volatile organic compounds (primarily oxygenated species) from pasture. <i>Journal of Geophysical Research</i> , 1998 , 103, 10605-10619	188
2260	Global simulation of tropospheric O3-NO x -hydrocarbon chemistry: 1. Model formulation. <i>Journal of Geophysical Research</i> , 1998 , 103, 10713-10725	461
2259	Regional budgets for nitrogen oxides from continental sources: Variations of rates for oxidation and deposition with season and distance from source regions. <i>Journal of Geophysical Research</i> , 1998 , 103, 8355-8368	85
2258	Photochemical production and loss rates of ozone at Sable Island, Nova Scotia during the North Atlantic Regional Experiment (NARE) 1993 summer intensive. <i>Journal of Geophysical Research</i> , 1998 , 103, 13531-13555	16
2257	Products of the gas-phase reactions of O(3 P) atoms and O3 with \Box -pinene and 1,2-dimethyl-1-cyclohexene. <i>Journal of Geophysical Research</i> , 1998 , 103, 25541-25551	57
2256	Isoprene synthase: From biochemical mechanism to emission algorithm. <i>Journal of Geophysical Research</i> , 1998 , 103, 25599-25609	46
2255	Emission of 2-methyl-3-buten-2-ol by pines: A potentially large natural source of reactive carbon to the atmosphere. <i>Journal of Geophysical Research</i> , 1998 , 103, 25479-25486	160
2254	Air-surface exchange of nonmethane organic compounds at a grassland site: Seasonal variations and stressed emissions. <i>Journal of Geophysical Research</i> , 1998 , 103, 13153-13168	64
2253	A global three-dimensional atmosphere-ocean model of methyl bromide distributions. <i>Journal of Geophysical Research</i> , 1998 , 103, 16039-16057	28
2252	Generation and validation of oxygenated volatile organic carbon standards for the 1995 Southern Oxidants Study Nashville Intensive. <i>Journal of Geophysical Research</i> , 1998 , 103, 22281-22294	38
2251	Products of the gas phase reactions of the OH radical with \oplus - and \oplus inene in the presence of NO. <i>Journal of Geophysical Research</i> , 1998 , 103, 25553-25561	72
2250	Evidence for formation of a PAN analogue of pinonic structure and investigation of its thermal stability. <i>Journal of Geophysical Research</i> , 1998 , 103, 25587-25597	29
2249	Influence of increased isoprene emissions on regional ozone modeling. <i>Journal of Geophysical Research</i> , 1998 , 103, 25611-25629	209
2248	Molecular composition of organic aerosols formed in the ⊞-pinene/O3 reaction: Implications for new particle formation processes. <i>Journal of Geophysical Research</i> , 1998 , 103, 25569-25578	168
2247	Field studies of isoprene emissions from vegetation in the northwest Mediterranean region. Journal of Geophysical Research, 1998, 103, 25499-25511	32

2246 Isoprene emissions from boreal wetlands in Scandinavia. Journal of Geophysical Research, 1998, 103, 25513-25517

2245	Preface [to special section on Coastal Antarctic Aerosol and Snowfall Chemistry (CAASC)]. <i>Journal of Geophysical Research</i> , 1998 , 103, 25463-25465	
2244	Measurement of OH radical formation from the reaction of ozone with several biogenic alkenes. Journal of Geophysical Research, 1998 , 103, 25533-25539	90
2243	Global atmospheric distributions and source strengths of light hydrocarbons and tetrachloroethene. <i>Journal of Geophysical Research</i> , 1998 , 103, 28219-28235	39
2242	Modeling Biogenic Volatile Organic Compound Emissions to the Atmosphere. 1999 , 97-118	35
2241	Biogenic Emissions of Volatile Organic Compounds from Higher Plants. 1999 , 41-96	78
2240	Reactive Hydrocarbons in the Atmosphere at Urban and Regional Scales. 1999 , 159-207	14
2239	Global Distribution of Reactive Hydrocarbons in the Atmosphere. 1999 , 209-265	13
2238	Rhodococcus erythropolis DCL14 contains a novel degradation pathway for limonene. 1999 , 65, 2092-102	125
2237	Towards reliable global bottom-up estimates of temporal and spatial patterns of emissions of trace gases and aerosols from land-use related and natural sources. 1999 , 24, 3-26	4
2236	Stereoselective carveol dehydrogenase from Rhodococcus erythropolis DCL14. A novel nicotinoprotein belonging to the short chain dehydrogenase/reductase superfamily. 1999 , 274, 26296-304	43
2235	Differentiation between de novo synthesized and constitutively released terpenoids from Fagus sylvatica. 1999 , 51, 383-388	14
2234	Isoprene synthase activity and its relation to isoprene emission in Quercus robur L. leaves. 1999 , 22, 495-504	117
2233	A model of isoprene emission based on energetic requirements for isoprene synthesis and leaf photosynthetic properties for Liquidambar and Quercus. 1999 , 22, 1319-1335	205
2232	Modelling changes in VOC emission in response to climate change in the continental United States. 1999 , 5, 791-806	65
2231	The influence of volatile organic compound structure on conditions required for total oxidation. 1999 , 54, 31-38	98
2230	Formation of hydroxyl and hydroperoxy radicals in the gas-phase ozonolysis of ethene. 1999 , 301, 559-564	42
2229	Biosynthesis of Organic Compounds Emitted by Plants. 1999 , 1, 149-159	72

2228	Determination of polar terpene oxidation products in aerosols by liquid chromatographyâlbn trap mass spectrometry. 1999 , 833, 121-135	93
2227	Application of gas chromatography-cryocondensation-Fourier transform infrared spectroscopy and gas chromatography-mass spectrometry to the identification of gas phase reaction products from the alpha-pinene/ozone reaction. 1999 , 864, 299-314	22
2226	Short-term responses of terpene emission rates to experimental changes of PFD in Pinus halepensis and Quercus ilex in summer field conditions. 1999 , 42, 61-68	57
2225	Natural VOC emissions from forests in Poland. 1999 , 33, 4739-4744	6
2224	Simulation of the tropospheric distribution of carbon monoxide during the 1984 MAPS experiment. 1999 , 33, 4675-4694	2
2223	Biogenic hydrocarbon emissions and landcover/climate change in a subtropical savanna. 1999 , 24, 659-667	55
2222	Vertical fluxes of monoterpenes above a Scots pine stand in the Boreal vegetation zone. 1999 , 24, 711-715	15
2221	First measurements of the C1- and C2-organic acids and aldehydes exchange between boreal lichens and the atmosphere. 1999 , 24, 725-728	8
2220	A three-dimensional study of the global CO budget. 1999 , 1, 255-261	23
2219	The photochemical source of carbon monoxide: Importance, uncertainties and feedbacks. 1999 , 1, 91-109	47
2218	Seasonal variation of carbon monoxide at remote sites in Japan. 1999 , 1, 137-144	17
2217	Kinetics of the reactions of pinonaldehyde with OH radicals and with Cl atoms. 1999 , 31, 291-301	15
2216	Molecular hydrogen in the troposphere: Global distribution and budget. <i>Journal of Geophysical Research</i> , 1999 , 104, 30427-30444	233
2215	ISOPRENE EMISSION AND PHOTOSYNTHESIS IN A TROPICAL FOREST CANOPY: IMPLICATIONS FOR MODEL DEVELOPMENT. 1999 , 9, 1109-1117	36
2214	EMISSION OF VOLATILE ORGANIC COMPOUNDS FROM OZONE-EXPOSED PLANTS. 1999 , 9, 1160-1167	117
2213	A Quantum Chemical Study of the Câll Bond Fission Pathways of Alkoxy Radicals Formed following OH Addition to Isoprene. 1999 , 103, 8559-8565	37
2212	Isoprene emission from tropical forest canopy leaves. 1999 , 13, 19-29	65
2211	Gas phase reaction of hydroxyl radical with the natural hydrocarbon bornyl acetate. 1999 , 24, 537-539	1

2210	Emission of isoprene and carbonyl compounds from a boreal forest and wetland in Sweden. 1999 , 98-99, 671-681	75
2209	Biogenic volatile organic compound emissions (BVOCs). I. Identifications from three continental sites in the U.S. 1999 , 38, 2163-87	122
2208	Ambient concentrations of biogenic volatile organic compounds in Southern Taiwan. 1999 , 39, 731-744	5
2207	On the origin of tropospheric ozone and NOx over the tropical South Pacific. <i>Journal of Geophysical Research</i> , 1999 , 104, 5829-5843	123
2206	Inventorying emissions from nature in Europe. <i>Journal of Geophysical Research</i> , 1999 , 104, 8113-8152	375
2205	Formation and gas/particle partitioning of monoterpenes photo-oxidation products over forests. 1999 , 26, 55-58	109
2204	Sources of upper tropospheric HO X : A three-dimensional study. <i>Journal of Geophysical Research</i> , 1999 , 104, 1705-1715	91
2203	A case study of gas-to-particle conversion in an eastern Canadian forest. <i>Journal of Geophysical Research</i> , 1999 , 104, 8095-8111	67
2202	Emission of reactive terpene compounds from orange orchards and their removal by within-canopy processes. <i>Journal of Geophysical Research</i> , 1999 , 104, 8077-8094	129
2201	Simulation of carbon monoxide transport during April 1994. <i>Journal of Geophysical Research</i> , 1999 , 104, 21471-21485	4
2200	Organic aerosol formation from the oxidation of biogenic hydrocarbons. <i>Journal of Geophysical Research</i> , 1999 , 104, 3555-3567	570
2199	Chemical processing of biogenic hydrocarbons within and above a temperate deciduous forest. Journal of Geophysical Research, 1999 , 104, 3581-3603	93
2198	Is ozone pollution affecting crop yields in China?. 1999 , 26, 867-870	124
2197	An estimate of the uptake of atmospheric methyl bromide by agricultural soils. 1999 , 26, 727-730	19
2196	Are monoterpene emissions influenced by humidity?. 1999 , 26, 2187-2190	74
2195	Estimate of global atmospheric organic aerosol from oxidation of biogenic hydrocarbons. 1999 , 26, 2721-2724	4 271
2194	Vertical mixing and chemistry of isoprene in the atmospheric boundary layer: Aircraft-based measurements and numerical modeling. <i>Journal of Geophysical Research</i> , 1999 , 104, 21263-21274	14
2193	Prediction of the number of cloud droplets in the ECHAM GCM. <i>Journal of Geophysical Research</i> , 1999 , 104, 9169-9198	251

2192	Role of convection in determining the budget of odd hydrogen in the upper troposphere. <i>Journal of Geophysical Research</i> , 1999 , 104, 26927-26941	63
2191	Volatile organic compounds emitted after leaf wounding: On-line analysis by proton-transfer-reaction mass spectrometry. <i>Journal of Geophysical Research</i> , 1999 , 104, 15963-15974	250
2190	Formation of acetone from the OH radical- and O3-initiated reactions of a series of monoterpenes. Journal of Geophysical Research, 1999 , 104, 13869-13879	78
2189	Global impact of fossil fuel combustion on atmospheric NO x. <i>Journal of Geophysical Research</i> , 1999 , 104, 23823-23840	46
2188	Experiment for Regional Sources and Sinks of Oxidants (EXPRESSO): An overview. <i>Journal of Geophysical Research</i> , 1999 , 104, 30609-30624	51
2187	Effects of nonmethane hydrocarbons on lower stratospheric and upper tropospheric chemical climatology in a two-dimensional zonal average model. <i>Journal of Geophysical Research</i> , 1999 , 104, 21537-215	4 ⁷⁰
2186	A model for studies of tropospheric photochemistry: Description, global distributions, and evaluation. <i>Journal of Geophysical Research</i> , 1999 , 104, 26245-26277	134
2185	Inverse modeling of methane sources and sinks using the adjoint of a global transport model. <i>Journal of Geophysical Research</i> , 1999 , 104, 26137-26160	238
2184	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	46
2183	Canopy fluxes of 2-methyl-3-buten-2-ol over a ponderosa pine forest by relaxed eddy accumulation: Field data and model comparison. <i>Journal of Geophysical Research</i> , 1999 , 104, 26107-26114	69
2182	Observational study of transport and photochemical formation of ozone over northern Europe. Journal of Geophysical Research, 1999 , 104, 26235-26243	21
2181	Product study and mechanisms of the reactions of ⊞-pinene and of pinonaldehyde with OH radicals. <i>Journal of Geophysical Research</i> , 1999 , 104, 23645-23656	123
2180	The Nonmethane Hydrocarbon Intercomparison Experiment (NOMHICE): Task 3. <i>Journal of Geophysical Research</i> , 1999 , 104, 26069-26086	54
2179	Aerosol and Product Yields from NO3Radical-Initiated Oxidation of Selected Monoterpenes. 1999 , 33, 553-559	147
2178	Study on the NO3 Radical Reactivity: Reactions with Cyclic Alkenes. 1999 , 103, 5321-5327	17
2177	WEATHER EFFECTS ON ISOPRENE EMISSION CAPACITY AND APPLICATIONS IN EMISSIONS ALGORITHMS. 1999 , 9, 1132-1137	115
2176	Isoprene emission estimates and uncertainties for the central African EXPRESSO study domain. Journal of Geophysical Research, 1999 , 104, 30625-30639	180
2175	Spatial gradients in ratios of atmospheric trace gases: a study stimulated by experiments on bird navigation. 2000 , 52, 1138-1157	31

(2000-2000)

2174	Seasonal patterns of terpene content and emission from seven Mediterranean woody species in field conditions. 2000 , 87, 133-140	192
2173	Biogenic vocs emissions and its impact on ozone formation in major cities of China. 2000 , 35, 1941-1950	18
2172	Rate constants for the gas-phase reactions of a series of C3?C6 aldehydes with OH and NO3 radicals. 2000 , 32, 79-84	38
2171	Gas phase rate coefficients and activation energies for the reaction of butanal and 2-methyl-propanal with nitrate radicals. 2000 , 32, 294-303	13
2170	Identification of the oxidation products of the reaction between alpha-pinene and hydroxyl radicals by gas and high-performance liquid chromatography with mass spectrometric detection. 2000 , 896, 135-48	33
2169	Bacterial sources and sinks of isoprene, a reactive atmospheric hydrocarbon. 2000 , 2, 123-30	69
2168	The effects of high temperature on isoprene synthesis in oak leaves. 2000 , 23, 751-757	88
2167	Monoterpene synthase activities in leaves of Picea abies (L.) Karst. and Quercus ilex L. 2000 , 54, 257-65	62
2166	Diurnal pattern of acetaldehyde emission by flooded poplar trees. 2000 , 108, 79-86	62
2165	Photoproduction of nonmethane hydrocarbons (NMHCs) in seawater. 2000 , 71, 177-198	7 2
2164	Development and application of a possible mechanism for the generation of cis-pinic acid from the ozonolysis of \oplus - and \oplus inene. 2000 , 34, 2837-2850	123
2163	A detailed case study of isoprene chemistry during the EASE96 Mace Head campaign. 2000 , 34, 2827-2836	28
2162	Canopy and leaf level 2-methyl-3-buten-2-ol fluxes from a ponderosa pine plantation. 2000 , 34, 3535-3544	94
2161	Formation of new particles in the gas-phase ozonolysis of monoterpenes. 2000 , 34, 4031-4042	174
2160	Evaluation of a Lagrangian box model using field measurements from EASE (Eastern Atlantic Summer Experiment) 1996. 2000 , 34, 3843-3863	50
2159	Atmospheric volatile organic compounds (VOC) at a remote tropical forest site in central Amazonia. 2000 , 34, 4063-4072	144
2158	Modeling speciated terpenoid emissions from the European boreal forest. 2000 , 34, 4983-4996	50
2157	The impact of natural and anthropogenic hydrocarbons on the tropospheric budget of carbon monoxide. 2000 , 34, 5255-5270	109

2156	Monoterpene and isoprene emissions from 15 Eucalyptus species in Australia. 2000, 34, 645-655	98
2155	Forest fire in the Boreal Region of China and its impact on the photochemical oxidant cycle of East Asia. 2000 , 34, 483-498	19
2154	Seasonal variations of isoprene emissions from deciduous trees. 2000 , 34, 3027-3032	50
2153	Herbivory by the weevil, Strophosoma melanogrammum, causes severalfold increase in emission of monoterpenes from young Norway spruce (Picea abies). 2000 , 34, 711-718	31
2152	A review and synthesis of monoterpene speciation from forests in the United States. 2000 , 34, 1761-1781	217
2151	A product study of the OH radical-initiated oxidation of isoprene: formation of C5-unsaturated diols. 2000 , 34, 1529-1542	98
2150	Sources to formic acid studied by carbon isotopic analysis and air mass characterization. 2000 , 34, 2471-2479	29
2149	Biogenic hydrocarbon emission estimates for North Central Texas. 2000 , 34, 3419-3435	21
2148	Atmospheric chemistry of VOCs and NOx. 2000, 34, 2063-2101	2086
2147	Natural emissions of non-methane volatile organic compounds, carbon monoxide, and oxides of nitrogen from North America. 2000 , 34, 2205-2230	524
2146	Ozone and other secondary photochemical pollutants: chemical processes governing their formation in the planetary boundary layer. 2000 , 34, 2499-2527	358
2145	High spatial and temporal resolution measurements of primary organics and their oxidation products over the tropical forests of Surinam. 2000 , 34, 1161-1165	96
2144	Determination of the terpene flux from orange species and Norway spruce by relaxed eddy	48
	accumulation. 2000 , 34, 3057-3067	40
2143	accumulation. 2000, 34, 3057-3067 Comparisons of weekdayâWeekend ozone: importance of biogenic volatile organic compound emissions in the semi-arid southwest USA. 2000, 34, 3445-3451	47
2143	Comparisons of weekdayâWeekend ozone: importance of biogenic volatile organic compound	
	Comparisons of weekdayâlweekend ozone: importance of biogenic volatile organic compound emissions in the semi-arid southwest USA. 2000 , 34, 3445-3451 Modelling terrestrial biogenic isoprene fluxes and their potential impact on global chemical species	47
2142	Comparisons of weekdayâlweekend ozone: importance of biogenic volatile organic compound emissions in the semi-arid southwest USA. 2000 , 34, 3445-3451 Modelling terrestrial biogenic isoprene fluxes and their potential impact on global chemical species using a coupled LSMâllTM model. 2000 , 34, 2909-2925 Sources of Variability in Isoprene Emission and Photosynthesis in Two Species of Tropical Wet Forest Trees1. 2000 , 32, 670	47 79

(2000-2000)

2138	Three-dimensional climatological distribution of tropospheric OH: Update and evaluation. <i>Journal of Geophysical Research</i> , 2000 , 105, 8931-8980	641
2137	Measurements of hydrocarbon fluxes by a gradient method above a northern boreal forest. 2000 , 102, 25-37	35
2136	Tropical forests and atmospheric carbon dioxide. 2000 , 15, 332-337	345
2135	MODELLING OF PARTICLE FORMATION FROM NO3 OXIDATION OF SELECTED MONOTERPENES. 2000 , 31, 1317-1333	23
2134	Isoprene biosynthesis in Bacillus subtilis via the methylerythritol phosphate pathway. 2000 , 63, 37-40	49
2133	Product studies of the OH- and ozone-initiated oxidation of some monoterpenes. <i>Journal of Geophysical Research</i> , 2000 , 105, 11561-11572	93
2132	Simulation of preindustrial atmospheric methane to constrain the global source strength of natural wetlands. <i>Journal of Geophysical Research</i> , 2000 , 105, 17243-17255	64
2131	Data composites of airborne observations of tropospheric ozone and its precursors. <i>Journal of Geophysical Research</i> , 2000 , 105, 20497-20538	144
2130	Global three-dimensional simulation of aerosol optical thickness distribution of various origins. Journal of Geophysical Research, 2000 , 105, 17853-17873	324
2129	Tropospheric ozone simulation with a chemistry-general circulation model: Influence of higher hydrocarbon chemistry. <i>Journal of Geophysical Research</i> , 2000 , 105, 22697-22712	62
2128	Excitation of the primary tropospheric chemical mode in a global three-dimensional model. <i>Journal of Geophysical Research</i> , 2000 , 105, 24647-24660	81
2127	Theoretical Study of the Formation of Acetone in the OH-Initiated Atmospheric Oxidation of ⊟-Pinene. 2000 , 104, 11140-11146	42
2126	OH Radical Yields from the Ozone Reaction with Cycloalkenes. 2000 , 104, 7246-7254	60
2125	Effect of Relative Humidity on the Chemical Composition of Secondary Organic Aerosol Formed from Reactions of 1-Tetradecene and O3. 2000 , 34, 2116-2125	71
2124	Proton-Transfer Chemical-Ionization Mass Spectrometry Allows Real-Time Analysis of Volatile Organic Compounds Released from Cutting and Drying of Crops. 2000 , 34, 2640-2648	87
2123	Formation of 冊ydroxycarbonyls from the OH Radical-Initiated Reactions of Selected Alkenes. 2000 , 34, 1702-1706	21
2122	On-line characterization of organic aerosols formed from biogenic precursors using atmospheric pressure chemical ionization mass spectrometry. 2000 , 72, 1905-12	58
2121	Kinetics of the OH-initiated oxidation of isoprene. 2000 , 27, 693-696	32

2120	Distribution and fate of selected oxygenated organic species in the troposphere and lower stratosphere over the Atlantic. <i>Journal of Geophysical Research</i> , 2000 , 105, 3795-3805	225
2119	Levels and pattern of alkyl nitrates, multifunctional alkyl nitrates, and halocarbons in the air over the Atlantic Ocean. <i>Journal of Geophysical Research</i> , 2000 , 105, 14473-14494	33
2118	Inverse modeling of the global CO cycle: 1. Inversion of CO mixing ratios. <i>Journal of Geophysical Research</i> , 2000 , 105, 1909-1927	156
2117	A nonurban ozone air pollution episode over eastern China: Observations and model simulations. Journal of Geophysical Research, 2000 , 105, 1889-1908	97
2116	What controls tropospheric ozone?. Journal of Geophysical Research, 2000, 105, 3531-3551	475
2115	Influence of natural hydrocarbons on ozone formation in an isolated power plant plume. <i>Journal of Geophysical Research</i> , 2000 , 105, 9177-9188	21
2114	Photochemistry of the African troposphere: Influence of biomass-burning emissions. <i>Journal of Geophysical Research</i> , 2000 , 105, 14513-14530	54
2113	Transport and distribution of primary and secondary nonmethane volatile organic compounds in east Asia under continental outflow conditions. <i>Journal of Geophysical Research</i> , 2000 , 105, 22311-22336	10
2112	Litter decomposition as a potential natural source of methyl bromide. <i>Journal of Geophysical Research</i> , 2000 , 105, 8857-8864	24
2111	Time evolution of tropospheric ozone and its radiative forcing. <i>Journal of Geophysical Research</i> , 2000 , 105, 8915-8930	37
211 0	Observed and modeled seasonal variation of 13C, 18O, and 14C of atmospheric CO at Happo, a remote site in Japan, and a comparison with other records. <i>Journal of Geophysical Research</i> , 2000 , 105, 8891-8900	17
2109	Human-activity-enhanced formation of organic aerosols by biogenic hydrocarbon oxidation. <i>Journal of Geophysical Research</i> , 2000 , 105, 9243-9354	103
2108	The modeling of tropospheric methane: How well can point measurements be reproduced by a global model?. <i>Journal of Geophysical Research</i> , 2000 , 105, 8981-9002	64
2107	Extrapolating branch enclosure measurements to estimates of regional scale biogenic VOC fluxes in the northwestern Mediterranean basin. <i>Journal of Geophysical Research</i> , 2000 , 105, 11573-11583	26
2106	Global distribution of carbon monoxide. <i>Journal of Geophysical Research</i> , 2000 , 105, 12123-12147	250
2105	Indirect effect of sulfate and carbonaceous aerosols: A mechanistic treatment. <i>Journal of Geophysical Research</i> , 2000 , 105, 12193-12206	162
2104	How well do aerosol retrievals from satellites and representation in global circulation models match ground-based AERONET aerosol statistics?. 2001 , 103-158	7
2103	MEASURING NET PRIMARY PRODUCTION IN FORESTS: CONCEPTS AND FIELD METHODS. 2001 , 11, 356-370	624

(2001-2001)

2102	Emissions of greenhouse gases from the tropical hydroelectric reservoir of Petit Saut (French Guiana) compared with emissions from thermal alternatives. 2001 , 15, 993-1003	38
2101	Global modeling of tropospheric chemistry with assimilated meteorology: Model description and evaluation. <i>Journal of Geophysical Research</i> , 2001 , 106, 23073-23095	1601
2100	Mass balance of gaseous and particulate products analysis from ⊞-pinene/NO x /air in the presence of natural sunlight. <i>Journal of Geophysical Research</i> , 2001 , 106, 12541-12558	72
2099	Particle formation and growth from ozonolysis of ⊞-pinene. <i>Journal of Geophysical Research</i> , 2001 , 106, 27603-27618	36
2098	Transport and direct radiative forcing of carbonaceous and sulfate aerosols in the GISS GCM. Journal of Geophysical Research, 2001 , 106, 20311-20332	194
2097	Marine latitude/altitude OH distributions: Comparison of Pacific Ocean observations with models. Journal of Geophysical Research, 2001 , 106, 32691-32707	24
2096	Experimental and modeling studies of secondary organic aerosol formation and some applications to the marine boundary layer. <i>Journal of Geophysical Research</i> , 2001 , 106, 27619-27634	22
2095	A preliminary three-dimensional global model study of atmospheric methyl chloride distributions. <i>Journal of Geophysical Research</i> , 2001 , 106, 34221-34233	30
2094	Human Impacts on Atmospheric Chemistry. 2001 , 29, 17-45	76
2093	NET PRIMARY PRODUCTION IN TROPICAL FORESTS: AN EVALUATION AND SYNTHESIS OF EXISTING FIELD DATA. 2001 , 11, 371-384	441
2092	ISOPRENE EMISSION FROM PLANTS. 2001 , 52, 407-436	427
2091	Intercontinental transport of ozone and its precursors in a three-dimensional global CTM. <i>Journal of Geophysical Research</i> , 2001 , 106, 27729-27744	183
2090	Volatile organic compound emissions from Scots pine: Mechanisms and description by algorithms. Journal of Geophysical Research, 2001 , 106, 20483-20491	78
2089	A modeling study of the nighttime radical chemistry in the lower continental troposphere: 1. Development of a detailed chemical mechanism including nighttime chemistry. <i>Journal of Geophysical Research</i> , 2001 , 106, 9959-9990	24
2088	A three-dimensional modeling investigation of the evolution processes of dust and sea-salt particles in east Asia. <i>Journal of Geophysical Research</i> , 2001 , 106, 18131-18154	128
2087	Simulating aerosols using a chemical transport model with assimilation of satellite aerosol retrievals: Methodology for INDOEX. <i>Journal of Geophysical Research</i> , 2001 , 106, 7313-7336	248
2086	Biogenic volatile organic compounds at Azusa and elevated sites during the 1997 Southern California Ozone Study. <i>Journal of Geophysical Research</i> , 2001 , 106, 1607-1621	15
2085	Intercomparison of automated methodologies for determination of ambient isoprene during the PROPHET 1998 summer campaign. <i>Journal of Geophysical Research</i> , 2001 , 106, 24301-24313	24

Fluxes of oxygenated volatile organic compounds from a ponderosa pine plantation. <i>Journal of Geophysical Research</i> , 2001 , 106, 3111-3123	218
Uncertainty in preindustrial abundance of tropospheric ozone: Implications for radiative forcing calculations. <i>Journal of Geophysical Research</i> , 2001 , 106, 3389-3399	90
Modeling of annual variations of oak (Quercus robur L.) isoprene synthase activity to predict isoprene emission rates. <i>Journal of Geophysical Research</i> , 2001 , 106, 3157-3166	70
Organic nitrogen in Hawaiian rain and aerosol. <i>Journal of Geophysical Research</i> , 2001 , 106, 7973-7983	108
Secondary organic aerosol formation in northern Europe: A model study. <i>Journal of Geophysical Research</i> , 2001 , 106, 7357-7374	83
Relative contribution of biogenic and anthropogenic sources to formic and acetic acids in the atmospheric boundary layer. <i>Journal of Geophysical Research</i> , 2001 , 106, 7415-7426	35
Chemistry and oxidation capacity of the nitrate radical in the continental boundary layer near Berlin. <i>Journal of Geophysical Research</i> , 2001 , 106, 8013-8025	144
Unique markers of chlorine atom chemistry in coastal urban areas: The reaction with 1,3-butadiene in air at room temperature. <i>Journal of Geophysical Research</i> , 2001 , 106, 4939-4958	10
Measurement of isoprene fluxes at the PROPHET site. <i>Journal of Geophysical Research</i> , 2001 , 106, 24347-2435	8 38
Source analysis of carbon monoxide pollution during INDOEX 1999. <i>Journal of Geophysical Research</i> , 2001 , 106, 28481-28495	30
Air mass factor formulation for spectroscopic measurements from satellites: Application to formaldehyde retrievals from the Global Ozone Monitoring Experiment. <i>Journal of Geophysical Research</i> , 2001 , 106, 14539-14550	269
Model analysis of trace gas measurements and pollution impact during INDOEX. <i>Journal of Geophysical Research</i> , 2001 , 106, 28469-28480	30
Eddy covariance measurements of oxygenated volatile organic compound fluxes from crop harvesting using a redesigned proton-transfer-reaction mass spectrometer. <i>Journal of Geophysical Research</i> , 2001 , 106, 24157-24167	105
Atmospheric chemistry of small organic peroxy radicals. <i>Journal of Geophysical Research</i> , 2001 , 106, 12157-127	1 83 9
Reactions of the alkoxy radicals formed following OH-addition to alpha-pinene and beta-pinene. C-C bond scission reactions. 2001 , 123, 4228-34	45
Evaporation rates and vapor pressures of individual aerosol species formed in the atmospheric oxidation of alpha- and beta-pinene. 2001 , 35, 3344-9	144
Rate Constants for the Gas-Phase Reactions of Ozone with Isoprene, ⊞- and Pinene, and Limonene as a Function of Temperature. 2001 , 105, 815-822	82
Rate Coefficients and Product Yields from Reaction of OH with 1-Penten-3-ol, (Z)-2-Penten-1-ol, and Allyl Alcohol (2-Propen-1-ol). 2001 , 105, 3564-3569	67
	Uncertainty in preindustrial abundance of tropospheric ozone: Implications for radiative forcing calculations. <i>Journal of Geophysical Research</i> , 2001, 106, 3389-3399 Modeling of annual variations of oak (Quercus robur L) isoprene synthase activity to predict isoprene emission rates. <i>Journal of Geophysical Research</i> , 2001, 106, 3157-3166 Organic nitrogen in Hawaiian rain and aerosol. <i>Journal of Geophysical Research</i> , 2001, 106, 7973-7983 Secondary organic aerosol formation in northern Europe: A model study. <i>Journal of Geophysical Research</i> , 2001, 106, 7357-7374 Relative contribution of biogenic and anthropogenic sources to formic and acetic acids in the atmospheric boundary layer. <i>Journal of Geophysical Research</i> , 2001, 106, 7415-7426 Chemistry and oxidation capacity of the nitrate radical in the continental boundary layer near Berlin. <i>Journal of Geophysical Research</i> , 2001, 106, 8013-8025 Unique markers of chlorine atom chemistry in coastal urban areas: The reaction with 1,3-butadiene in air at room temperature. <i>Journal of Geophysical Research</i> , 2001, 106, 4939-4958 Measurement of isoprene fluxes at the PROPHET site. <i>Journal of Geophysical Research</i> , 2001, 106, 24347-2435 Source analysis of carbon monoxide pollution during INDOEX 1999. <i>Journal of Geophysical Research</i> , 2001, 106, 28481-28495 Air mass factor formulation for spectroscopic measurements from satellites: Application to formaldehyde retrievals from the Global Ozone Monitoring Experiment. <i>Journal of Geophysical Research</i> , 2001, 106, 28469-28480 Eddy covariance measurements of oxygenated volatile organic compound fluxes from crop harvesting using a redesigned proton-transfer-reaction mass spectrometer. <i>Journal of Geophysical Research</i> , 2001, 106, 28469-28480 Eddy covariance measurements of oxygenated volatile organic compound fluxes from crop harvesting using a redesigned proton-transfer-reaction mass spectrometer. <i>Journal of Geophysical Research</i> , 2001, 106, 28469-28480 Eddy covariance measurements of oxygenated volatile organ

(2001-2001)

2066	Night-time Atmospheric Loss Process for Unsaturated Aldehydes: Reaction with NO3 Radicals. 2001 , 105, 4440-4445	30
2065	Degradation of alpha-pinene on Tenax during sample storage: effects of daylight radiation and temperature. 2001 , 35, 2717-20	19
2064	On-line analysis of reactive VOCs from urban lawn mowing. 2001 , 35, 2926-31	64
2063	Rate constant dependence on the size of aldehydes in the NO(3) + aldehydes reaction. An explanation via quantum chemical calculations and CTST. 2001 , 123, 8387-95	70
2062	Canopy level fluxes of 2-methyl-3-buten-2-ol, acetone, and methanol by a portable relaxed eddy accumulation system. 2001 , 35, 1701-8	56
2061	Monitoring biogenic volatile compounds emitted by Eucalyptus citriodora using SPME. 2001 , 73, 4729-35	67
2060	Trees in Grasslands. 2001 , 115-137	161
2059	EXPRESSO flux measurements at upland and lowland Congo tropical forest site. 2001 , 53, 220-234	18
2058	Biospheric Trace Gas Fluxes and Their Control Over Tropospheric Chemistry. 2001 , 32, 547-576	103
2057	Effect of growth conditions on isoprene emission and other thermotolerance-enhancing compounds. 2001 , 24, 929-936	36
2056	Rate of acclimation of the capacity for isoprene emission in response to light and temperature. 2001 , 24, 937-946	51
2055	Seasonal variation of monoterpene emission from Malus domestica and Prunus avium. 2001 , 57, 681-7	51
2054	Acetaldehyde emission by the leaves of trees âltorrelation with physiological and environmental parameters. 2001 , 113, 41-49	74
2053	Structural elucidation of monoterpene oxidation products by ion trap fragmentation using on-line atmospheric pressure chemical ionisation mass spectrometry in the negative ion mode. 2001 , 15, 2259-72	50
2052	Atmospheric Chemistry of Camphor. 2001 , 33, 56-63	13
2051	A kinetic study of the atmospheric photolysis of ⊞-dicarbonyls. 2001 , 33, 9-20	26
2050	Determination of the oxidation products of the reaction between alpha-pinene and hydroxyl radicals by high-performance liquid chromatography. 2001 , 915, 75-83	17
2049	Exchange of Short-Chain Oxygenated Volatile Organic Compounds (VOCs) between Plants and the Atmosphere: A Compilation of Field and Laboratory Studies. 2001 , 39, 219-233	110

2048	The Complexity of Factors Driving Volatile Organic Compound Emissions by Plants. 2001, 44, 481-487	175
2047	Measured isoprene emission rates of plants in California landscapes: comparison to estimates from taxonomic relationships. 2001 , 35, 1123-1131	48
2046	Seasonal variations in VOC emission rates from gorse (Ulex europaeus). 2001 , 35, 917-927	32
2045	Eddy covariance measurement of biogenic oxygenated VOC emissions from hay harvesting. 2001 , 35, 491-495	100
2044	Isoprene emission capacity for US tree species. 2001 , 35, 3341-3352	87
2043	Measurements of biogenic VOC emissions: sampling, analysis and calibration. 2001 , 35, 2069-2080	55
2042	On-line measurements of \oplus -pinene ozonolysis products using an atmospheric pressure chemical ionisation ion-trap mass spectrometer. 2001 , 35, 2927-2940	50
2041	Estimating the emission of volatile organic compounds (VOC) from the French forest ecosystem. 2001 , 35, 115-126	50
2040	Monoterpene emissions from soil in a Sitka spruce forest. 2001 , 35, 4081-4087	92
2039	Diurnal and seasonal variation of monoterpene emission rates for two typical Mediterranean species (Pinus pinea and Quercus ilex) from field measurementsâEelationship with temperature and PAR. 2001 , 35, 4419-4431	62
2038	Volatile organic compounds (VOCs) emitted from 40 Mediterranean plant species:. 2001 , 35, 5393-5409	128
2037	Variability-lifetime relationship of VOCs observed at the Sonnblick Observatory 1999â\stimation of HO-densities. 2001 , 35, 5287-5300	42
2036	Quantification of airborne fossil and biomass carbonylic carbon by combined radiocarbon and liquid chromatography mass spectrometry. 2001 , 35, 5695-5707	12
2035	Measurements of acetone and other gas phase product yields from the OH-initiated oxidation of terpenes by proton-transfer-reaction mass spectrometry (PTR-MS). 2001 , 35, 6181-6191	82
2034	Modeling biogenic emissions of isoprene: exploration of model drivers, climate control algorithms, and use of global satellite observations. 2001 , 35, 6151-6165	38
2033	An estimate of natural volatile organic compound emissions from vegetation since the last glacial maximum. 2001 , 3, 73-91	38
2032	The influence of the tropical rainforest on atmospheric CO and CO2 as measured by aircraft over Surinam, South America. 2001 , 3, 157-170	14
2031	Emission of volatile organic compounds from Portuguese eucalyptus forests. 2001 , 3, 239-248	37

2030	Non-methane hydrocarbon variability during the FIELDVOC'94 campaign in Portugal. 2001 , 3, 259-273	13
2029	Volatile and particulate organic compounds in the ambient air of a eucalyptus forest in Portugal during the FIELDVOC'94 campaign. 2001 , 3, 283-293	10
2028	The impact of natural non-methane hydrocarbon oxidation on the free radical and ozone budgets above a eucalyptus forest. 2001 , 3, 353-366	25
2027	DETERMINATION OF VOLATILE ORGANIC COMPOUNDS (VOC) EMITTED FROM BIOMASS BURNING OF MEDITERRANEAN VEGETATION SPECIES BY GC-MS. 2001 , 34, 937-955	62
2026	Genetic and biochemical characterization of a novel monoterpene epsilon-lactone hydrolase from Rhodococcus erythropolis DCL14. 2001 , 67, 733-41	35
2025	Isoprene increases thermotolerance of fosmidomycin-fed leaves. 2001 , 125, 2001-6	198
2024	The contribution of the ozonolysis of terpenes to tropospheric OH concentrations. 2001, 79, 131-142	3
2023	Chapter 12 The relation between ozone, NOx and hydrocarbons in urban and polluted rural environments. 2002 , 339-385	12
2022	NET ECOSYSTEM PRODUCTION: A COMPREHENSIVE MEASURE OF NET CARBON ACCUMULATION BY ECOSYSTEMS. 2002 , 12, 937-947	148
2021	Differential accumulation of dimethylallyl diphosphate in leaves and needles of isoprene- and methylbutenol-emitting and nonemitting species. 2002 , 129, 1276-84	71
2020	A Comparison of Model- and Satellite-Derived Aerosol Optical Depth and Reflectivity. 2002 , 59, 441-460	87
2019	GCM Simulations of the Aerosol Indirect Effect: Sensitivity to Cloud Parameterization and Aerosol Burden. 2002 , 59, 692-713	188
2018	Chapter 11 Ozone and other secondary photochemical pollutants: chemical processes governing their formation in the planetary boundary layer. 2002 , 1, 285-338	4
2017	Isomerization of OH-Isoprene Adducts and Hydroxyalkoxy Isoprene Radicals. 2002 , 106, 6643-6650	62
2016	Rate Constants for the Gas-Phase Reactions of the Hydroxyl Radical with Isoprene, ⊞- and ₱inene, and Limonene as a Function of Temperature. 2002 , 106, 2538-2544	69
2015	Tropospheric Aerosol Optical Thickness from the GOCART Model and Comparisons with Satellite and Sun Photometer Measurements. 2002 , 59, 461-483	1004
2014	Kinetics of the Gas-Phase Reaction of Some Unsaturated Alcohols with the Nitrate Radical. 2002 , 106, 945-951	44
2013	Tropical tropospheric ozone: Implications for dynamics and biomass burning. <i>Journal of Geophysical Research</i> , 2002 , 107, ACH 3-1	67

2012	Analysis of black carbon and carbon monoxide observed over the Indian Ocean: Implications for emissions and photochemistry. <i>Journal of Geophysical Research</i> , 2002 , 107, INX2 16-1	104
2011	Biogeochemical cycling of carbon, water, energy, trace gases, and aerosols in Amazonia: The LBA-EUSTACH experiments. <i>Journal of Geophysical Research</i> , 2002 , 107, LBA 33-1	231
2010	Plant physiological influences on the fluxes of oxygenated volatile organic compounds from ponderosa pine trees. <i>Journal of Geophysical Research</i> , 2002 , 107, ACH 2-1-ACH 2-8	39
2009	Secondary organic aerosol 1. Atmospheric chemical mechanism for production of molecular constituents. <i>Journal of Geophysical Research</i> , 2002 , 107, AAC 3-1-AAC 3-26	150
2008	Atmosphere-biosphere trace gas exchanges simulated with a single-column model. <i>Journal of Geophysical Research</i> , 2002 , 107, ACH 8-1	58
2007	Monoterpene emissions from Scots pine (Pinus sylvestris): Field studies of emission rate variabilities. <i>Journal of Geophysical Research</i> , 2002 , 107, ACH 1-1	63
2006	Atmospheric budget of acetone. <i>Journal of Geophysical Research</i> , 2002 , 107, ACH 5-1-ACH 5-17	251
2005	Product analysis of the OH oxidation of isoprene and 1,3-butadiene in the presence of NO. <i>Journal of Geophysical Research</i> , 2002 , 107, ACH 8-1	137
2004	Measurements of the kinetics of the OH-initiated oxidation of isoprene. <i>Journal of Geophysical Research</i> , 2002 , 107, ACH 2-1	41
2003	Isoprene and monoterpene emissions of Amaz [^] Bian tree species during the wet season: Direct and indirect investigations on controlling environmental functions. <i>Journal of Geophysical Research</i> , 2002 , 107, LBA 38-1	76
2002	Background ozone over the United States in summer: Origin, trend, and contribution to pollution episodes. <i>Journal of Geophysical Research</i> , 2002 , 107, ACH 11-1	303
2001	Assessment of volatile organic compound emissions from ecosystems of China. <i>Journal of Geophysical Research</i> , 2002 , 107, ACH 16-1-ACH 16-21	105
2000	Products of reaction of OH radicals with ⊞-pinene. <i>Journal of Geophysical Research</i> , 2002 , 107, ACH 6-1	46
1999	CHASER: A global chemical model of the troposphere 1. Model description. <i>Journal of Geophysical Research</i> , 2002 , 107, ACH 7-1-ACH 7-20	175
1998	Products of the OH radical- and O3-initiated reactions of myrcene and ocimene. <i>Journal of Geophysical Research</i> , 2002 , 107, ACH 3-1	24
1997	Global soil-biogenic NOx emissions and the role of canopy processes. <i>Journal of Geophysical Research</i> , 2002 , 107, ACH 9-1	92
1996	Inverse modeling of carbon monoxide surface emissions using Climate Monitoring and Diagnostics Laboratory network observations. <i>Journal of Geophysical Research</i> , 2002 , 107, ACH 10-1	77
1995	Summertime tropospheric ozone over China simulated with a regional chemical transport model 1. Model description and evaluation. <i>Journal of Geophysical Research</i> , 2002 , 107, ACH 27-1	26

(2002-2002)

1994	Global distribution and climate forcing of carbonaceous aerosols. <i>Journal of Geophysical Research</i> , 2002 , 107, AAC 14-1	578
1993	Interpretation of TOMS observations of tropical tropospheric ozone with a global model and in situ observations. <i>Journal of Geophysical Research</i> , 2002 , 107, ACH 4-1	154
1992	Observational constraints on the contribution of isoprene oxidation to ozone production on the western slope of the Sierra Nevada, California. <i>Journal of Geophysical Research</i> , 2002 , 107, ACH 1-1	70
1991	Seasonal cycles of ozone and oxidized nitrogen species in northeast Asia 2. A model analysis of the roles of chemistry and transport. <i>Journal of Geophysical Research</i> , 2002 , 107, ACH 13-1-ACH 13-13	19
1990	Interfield and intrafield variability of methyl halide emissions from rice paddies. 2002, 16, 72-1-72-9	18
1989	Atmospheric methanol budget and ocean implication. 2002 , 16, 80-1-80-13	160
1988	A model analysis of the effects of nonspecific monoterpenoid storage in leaf tissues on emission kinetics and composition in Mediterranean sclerophyllous Quercus species. 2002 , 16, 57-1-57-26	47
1987	Top-down estimate of a large source of atmospheric carbon monoxide associated with fuel combustion in Asia. 2002 , 29, 6-1-6-4	71
1986	Volatile organic compound emissions from terrestrial ecosystems: A primary biological control over atmospheric chemistry. 2002 , 42, 29-42	28
1985	Volatile organic compounds from leaves litter. 2002 , 48, 975-9	110
1984	The contribution of reactive carbon emissions from vegetation to the carbon balance of terrestrial ecosystems. 2002 , 49, 837-44	133
1983	Monoterpene emissions and carbonyl compound air concentrations during the blooming period of rape (Brassica napus). 2002 , 49, 1247-56	31
1982	Isoprene synthase activity parallels fluctuations of isoprene release during growth of Bacillus subtilis. 2002 , 294, 71-5	36
1981	Cloud susceptibility and the first aerosol indirect forcing: Sensitivity to black carbon and aerosol concentrations. <i>Journal of Geophysical Research</i> , 2002 , 107, AAC 10-1-AAC 10-23	97
1980	Measurement and interpretation of isoprene fluxes and isoprene, methacrolein, and methyl vinyl ketone mixing ratios at the PROPHET site during the 1998 Intensive. <i>Journal of Geophysical</i>	88
	Research, 2002 , 107, ACH 7-1	
1979	Research, 2002, 107, ACH 7-1 Exchange of short-chain monocarboxylic acids by vegetation at a remote tropical forest site in Amazonia. Journal of Geophysical Research, 2002, 107, LBA 36-1	52
1979 1978	Exchange of short-chain monocarboxylic acids by vegetation at a remote tropical forest site in	52 25

1976	Volatile organic compound emissions in relation to plant carbon fixation and the terrestrial carbon budget. 2002 , 16, 73-1-73-9	128
1975	Trace gas emissions and species-dependent ecosystem services. 2002 , 17, 309-312	49
1974	Disjunct eddy covariance measurements of oxygenated volatile organic compounds fluxes from an alfalfa field before and after cutting. <i>Journal of Geophysical Research</i> , 2002 , 107, ACH 6-1	90
1973	Isoprene and monoterpene fluxes measured above Amazonian rainforest and their dependence on light and temperature. 2002 , 36, 2421-2426	154
1972	Importance of volatile organic compounds photochemistry over a forested area in central Greece. 2002 , 36, 3137-3146	35
1971	Light dependency of VOC emissions from selected Mediterranean plant species. 2002 , 36, 3147-3159	87
1970	Effects of temperature and land use on predictions of biogenic emissions in Eastern Texas, USA. 2002 , 36, 3321-3337	14
1969	A study of the gas-phase ozonolysis of terpenes: the impact of radicals formed during the reaction. 2002 , 36, 3299-3308	17
1968	Biogenic volatile organic compound emissions from a lowland tropical wet forest in Costa Rica. 2002 , 36, 3793-3802	85
1967	Seasonal and species-specific response of VOC emissions by Mediterranean woody plant to elevated ozone concentrations. 2002 , 36, 3931-3938	66
1966	Non-methane hydrocarbons in the Arctic boundary layer. 2002 , 36, 3217-3229	32
1965	Seasonal and spatial variations in biogenic hydrocarbon emissions from southern African savannas and woodlands. 2002 , 36, 4265-4275	46
1964	OH radical formation from the gas-phase reactions of O3 with a series of terpenes. 2002 , 36, 4347-4355	133
1963	Estimates of biogenic emissions using satellite observations and influence of isoprene emission on O3 formation over the eastern United States. 2002 , 36, 5819-5829	11
1962	Isoprene and its degradation products as strong ozone precursors in Insubria, Northern Italy. 2002 , 36, 3867-3879	73
1961	Nighttime variations in HO2 radical mixing ratios at Rishiri Island observed with elevated monoterpene mixing ratios. 2002 , 36, 4929-4940	23
1960	A survey of California plant species with a portable VOC analyzer for biogenic emission inventory development. 2002 , 36, 5221-5233	18
1959	Measurements of the kinetics of the OH + \oplus -pinene and OH + \oplus pinene reactions at low pressure. 2002 , 34, 300-308	20

1958	Gas-phase ozonolysis: Rate coefficients for a series of terpenes and rate coefficients and OH yields for 2-methyl-2-butene and 2,3-dimethyl-2-butene. 2002 , 34, 394-403	34
1957	Temperature-dependent kinetic study for ozonolysis of selected tropospheric alkenes. 2002 , 34, 678-684	56
1956	Analyzing method on biogenic volatile organic compounds. 2002 , 19, 64-72	2
1955	Seasonal pattern of monoterpene synthase activities in leaves of the evergreen tree Quercus ilex. 2002 , 114, 354-360	70
1954	Elevated atmospheric CO causes seasonal changes in carbonyl emissions from Quercus ilex. 2002 , 154, 327-333	20
1953	VOCs âlhelping trees withstand global change?. 2002 , 155, 197-199	8
1952	First synthesis of hydroxy-pinonaldehyde and hydroxy-pinonic acid, monoterpene degradation products present in atmosphere. 2002 , 43, 2511-2513	2
1951	C2-C8 hydrocarbon measurement and quality control procedures at the Global Atmosphere Watch Observatory Hohenpeissenberg. 2002 , 953, 175-97	51
1950	Wet effluent diffusion denuder technique and the determination of volatile organic compounds in air. II. Monoterpenes. 2002 , 973, 211-6	3
1949	The tropospheric degradation of isoprene: an updated module for the regional atmospheric chemistry mechanism. 2003 , 37, 1503-1519	101
1948	The process-based SIMâBIM model: towards more realistic prediction of isoprene emissions from adult Quercus petraea forest trees. 2003 , 37, 1665-1671	30
1947	Measurements of hydrocarbon airâEurface exchange rates over maize. 2003 , 37, 2269-2277	29
1946	Growth of organic aerosols by biogenic semi-volatile carbonyls in the forestal atmosphere. 2003 , 37, 2045-2050	72
1945	Self- and cross-reactions of hydroxyperoxy radicals of relevance to tropospheric monoterpene oxidation: structurealctivity relationships for rate coefficients. 2003 , 37, 2751-2760	13
1944	Characterization of biogenic volatile organic compounds and meteorology at Azusa during the SCOS97-NARSTO. 2003 , 37, 181-196	6
1943	Gas-phase tropospheric chemistry of biogenic volatile organic compounds: a review. 2003, 37, 197-219	959
1942	HS-SPME analysis of volatile organic compounds of coniferous needle litter. 2003, 37, 4645-4650	60
1941	Volatile organic compounds in rural atmospheres of central Portugal. 2003 , 313, 49-60	47

1940	Description and characterization of an on-line system for long-term measurements of isoprene, methyl vinyl ketone, and methacrolein in ambient air. 2003 , 995, 185-201	22
1939	The reaction of acetaldehyde and propionaldehyde with hydroxyl radicals: experimental determination of the primary H2O yield at room temperature. 2003 , 157, 269-274	17
1938	Monoterpene levels in needles of Douglas fir exposed to elevated CO2 and temperature. 2003 , 117, 352-358	51
1937	Biochemical regulation of isoprene emission. 2003 , 26, 1357-1364	45
1936	Sensitivity and specificity of atmospheric trace gas detection by proton-transfer-reaction mass spectrometry. 2003 , 223-224, 365-382	250
1935	A selected ion flow tube study of the reactions of H3O+, NO+ and O2+ with a series of monoterpenes. 2003 , 229, 231-240	43
1934	BIBLE A whole-air sampling as a window on Asian biogeochemistry. <i>Journal of Geophysical Research</i> , 2003 , 108, n/a-n/a	4
1933	Monthly averages of aerosol properties: A global comparison among models, satellite data, and AERONET ground data. <i>Journal of Geophysical Research</i> , 2003 , 108,	218
1932	Interactions between tropospheric chemistry and aerosols in a unified general circulation model. Journal of Geophysical Research, 2003 , 108, AAC 1-1	137
1931	Effect of biogenic volatile organic compound emissions on tropospheric chemistry during the Atmospheric Pollution Over the Paris Area (ESQUIF) campaign in the Ile-de-France region. <i>Journal of Geophysical Research</i> , 2003 , 108,	77
1930	The impact of road traffic on global tropospheric ozone. 2003 , 30,	28
1929	Increase of monoterpene emissions from a pine plantation as a result of mechanical disturbances. 2003 , 30,	51
1928	The influence of the global photochemical composition of the troposphere on European summer smog, Part I: Application of a global to mesoscale model chain. <i>Journal of Geophysical Research</i> , 2003 , 108,	16
1927	Sources and chemistry of nitrogen oxides over the tropical Pacific. <i>Journal of Geophysical Research</i> , 2003 , 108,	48
1926	Mapping isoprene emissions over North America using formaldehyde column observations from space. <i>Journal of Geophysical Research</i> , 2003 , 108,	295
1925	CAPRAM 2.4 (MODAC mechanism): An extended and condensed tropospheric aqueous phase mechanism and its application. <i>Journal of Geophysical Research</i> , 2003 , 108,	152
1924	Eddy flux and leaf-level measurements of biogenic VOC emissions from mopane woodland of Botswana. <i>Journal of Geophysical Research</i> , 2003 , 108, n/a-n/a	46
1923	Seasonal variation and origins of dicarboxylic acids in the marine atmosphere over the western North Pacific. <i>Journal of Geophysical Research</i> , 2003 , 108,	125

1922	Characterization of secondary atmospheric photooxidation products: Evidence for biogenic and anthropogenic sources. <i>Journal of Geophysical Research</i> , 2003 , 108,	119
1921	Micrometeorological and leaf-level measurements of isoprene emissions from a southern African savanna. <i>Journal of Geophysical Research</i> , 2003 , 108, n/a-n/a	35
1920	Spatial and temporal variations in biogenic volatile organic compound emissions for Africa south of the equator. <i>Journal of Geophysical Research</i> , 2003 , 108, n/a-n/a	45
1919	Controls on the emission of plant volatiles through stomata: Differential sensitivity of emission rates to stomatal closure explained. <i>Journal of Geophysical Research</i> , 2003 , 108,	123
1918	A highly spatially and temporally resolved inventory for biogenic isoprene and monoterpene emissions: Model description and application to Great Britain. <i>Journal of Geophysical Research</i> , 2003 , 108,	49
1917	Gaseous emissions from flooded rice paddy agriculture. <i>Journal of Geophysical Research</i> , 2003 , 108, n/a-n/a	25
1916	Survey of whole air data from the second airborne Biomass Burning and Lightning Experiment using principal component analysis. <i>Journal of Geophysical Research</i> , 2003 , 108,	15
1915	A global simulation of tropospheric ozone and related tracers: Description and evaluation of MOZART, version 2. <i>Journal of Geophysical Research</i> , 2003 , 108, n/a-n/a	74 ¹
1914	A model for studies of tropospheric ozone and nonmethane hydrocarbons: Model description and ozone results. <i>Journal of Geophysical Research</i> , 2003 , 108, n/a-n/a	146
1913	Variability in tropical tropospheric ozone: Analysis with Global Ozone Monitoring Experiment observations and a global model. <i>Journal of Geophysical Research</i> , 2003 , 108,	36
1912	Influence of seasonality, canopy light extinction, and terrain on potential isoprenoid emission from a Mediterranean-type ecosystem in France. <i>Journal of Geophysical Research</i> , 2003 , 108, n/a-n/a	15
1911	Tropospheric ozone at tropical and middle latitudes derived from TOMS/MLS residual: Comparison with a global model. <i>Journal of Geophysical Research</i> , 2003 , 108, n/a-n/a	50
1910	Nonmethane Hydrocarbon Intercomparison Experiment (NOMHICE): Task 4, ambient air. <i>Journal of Geophysical Research</i> , 2003 , 108, n/a-n/a	31
1909	Radiative forcing of phytogenic aerosols. <i>Journal of Geophysical Research</i> , 2003 , 108,	7
1908	Ecosystem-atmosphere exchange of carbon dioxide over a mixed hardwood forest in northern lower Michigan. <i>Journal of Geophysical Research</i> , 2003 , 108,	128
1907	An inventory of gaseous and primary aerosol emissions in Asia in the year 2000. <i>Journal of Geophysical Research</i> , 2003 , 108,	1594
1906	Impacts of aerosols and clouds on photolysis frequencies and photochemistry during TRACE-P: 2. Three-dimensional study using a regional chemical transport model. <i>Journal of Geophysical Research</i> , 2003 , 108,	74
1905	Regional-scale chemical transport modeling in support of the analysis of observations obtained during the TRACE-P experiment. <i>Journal of Geophysical Research</i> , 2003 , 108,	153

1904	Sources of carbonaceous aerosols over the United States and implications for natural visibility. Journal of Geophysical Research, 2003 , 108,	411
1903	Indonesian wildfires of 1997: Impact on tropospheric chemistry. <i>Journal of Geophysical Research</i> , 2003 , 108,	122
1902	Simulating biogenic volatile organic compound emissions in the Community Climate System Model. Journal of Geophysical Research, 2003 , 108,	83
1901	A model for studies of tropospheric ozone and nonmethane hydrocarbons: Model evaluation of ozone-related species. <i>Journal of Geophysical Research</i> , 2003 , 108,	115
1900	Biogenic methanol and its impacts on tropospheric oxidants. 2003 , 30, n/a-n/a	90
1899	Seasonal and interannual variability of North American isoprene emissions as determined by formaldehyde column measurements from space. 2003 , 30, n/a-n/a	100
1898	Effect of Climate Change on Isoprene Emissions and Surface Ozone Levels. 2003 , 30,	158
1897	Seasonal variation of biogenic VOC emissions above a mixed hardwood forest in northern Michigan. 2003 , 30, n/a-n/a	116
1896	The seasonally varying isotopic composition of the sources of carbon monoxide at Barbados, West Indies. <i>Journal of Geophysical Research</i> , 2003 , 108,	8
1895	Temperature and light dependence of taryophyllene emission rates. <i>Journal of Geophysical Research</i> , 2003 , 108, n/a-n/a	42
1894	Isoprene emission from Indian trees. Journal of Geophysical Research, 2003, 108, n/a-n/a	22
1893	Abundant oxygenates in the atmosphere: a biochemical perspective. 2003 , 103, 4941-52	121
1892	Kinetics and Product Study of the OH- and NO2-Initiated Oxidation of 2,4-Hexadiene in the Gas Phase. 2003 , 107, 5743-5754	5
1891	Kinetics of the OH + Methyl Vinyl Ketone and OH + Methacrolein Reactions at Low Pressure. 2003 , 107, 2185-2191	24
1890	Biodiversity meets the atmosphere: a global view of forest canopies. 2003 , 301, 183-6	234
1889	Atmospheric degradation of volatile organic compounds. 2003 , 103, 4605-38	1893
1888	Preliminary results of dry-season trace gas and aerosol measurements over the Kalahari region during SAFARI 2000. 2003 , 54, 371-379	1
1887	Coating of soot and (NH4)2SO4 particles by ozonolysis products of ⊞-pinene. 2003 , 34, 1297-1321	161

1886	VOC concentration characteristics in Southern Taiwan. 2003 , 50, 545-56	53
1885	Sensitivity of the global circulation to the suppression of precipitation by anthropogenic aerosols. 2003 , 37, 57-80	64
1884	Biogenic emission inventory development: field assessment of the GAP vegetation database in California. 2003 , 28, 315-325	2
1883	Flux of organic compounds from grass measured by relaxed eddy accumulation technique. 2003 , 5, 963-70	28
1882	Gas-phase rate coefficients and activation energies for the reaction of NO3 radicals with selected branched aliphatic aldehydes. 2003 , 5, 112-116	8
1881	Picosecond Time-Resolved Resonance Raman Study of CH2IâIIProduced after Ultraviolet Photolysis of CH2I2 in CH3OH, CH3CN/H2O and CH3OH/H2O Solutions. 2003 , 107, 2624-2628	19
1880	Europe's terrestrial biosphere absorbs 7 to 12% of European anthropogenic CO2 emissions. 2003 , 300, 1538-42	497
1879	Organic atmospheric particulate material. 2003 , 54, 121-40	466
1878	Regional Analysis of Nonmethane Volatile Organic Compounds in the Lower Troposphere of the Southeast United States. 2003 , 129, 1085-1103	8
1877	BIOGENIC VOLATILE ORGANIC COMPOUND (VOC) EMISSION ESTIMATES FROM AN URBAN TREE CANOPY. 2003 , 13, 927-938	39
1876	GCM Aerosol Radiative Effects Using Geographically Varying Aerosol Sizes Deduced from AERONET Measurements. 2003 , 60, 2747-2764	8
1875	Modeling Terrestrial Biogenic Sources of Oxygenated Organic Emissions. 2003, 7, 1-15	8
1874	Air pollution and global change: A double challenge to forest ecosystems. 2003, 3, 1-41	3
1873	. 2003 , 13, 269-278	37
1872	INFLUENCES OF TEMPERATURE HISTORY, WATER STRESS, AND NEEDLE AGE ON METHYLBUTENOL EMISSIONS. 2003 , 84, 765-776	29
1871	Atmospheric Oxidation Mechanism of Isoprene. 2004 , 1, 140	123
1870	Interaction energies between aerosol precursors formed in the photo-oxidation of \square -pinene. 2004 , 102, 2361-2368	21
1869	Rapid regulation of the methylerythritol 4-phosphate pathway during isoprene synthesis. 2004 , 135, 1939-45	69

1868	Transient release of oxygenated volatile organic compounds during light-dark transitions in Grey poplar leaves. 2004 , 135, 1967-75	68
1867	Contribution of different carbon sources to isoprene biosynthesis in poplar leaves. 2004 , 135, 152-60	118
1866	Formation of secondary organic aerosols through photooxidation of isoprene. 2004 , 303, 1173-6	1155
1865	Missing OH reactivity in a forest: evidence for unknown reactive biogenic VOCs. 2004 , 304, 722-5	384
1864	Isoprenoid emission in trees of Quercus pubescens and Quercus ilex with lifetime exposure to naturally high CO2 environmentâ 2004 , 27, 381-391	92
1863	Impact of rising CO2 on emissions of volatile organic compounds: isoprene emission from Phragmites australis growing at elevated CO2 in a natural carbon dioxide springâ 2004 , 27, 393-401	76
1862	Strong correlation between isoprene emission and gross photosynthetic capacity during leaf phenology of the tropical tree species Hymenaea courbaril with fundamental changes in volatile organic compounds emission composition during early leaf development. 2004 , 27, 1469-1485	72
1861	Biogenic VOC emissions from forested Amazonian landscapes. 2004 , 10, 651-662	65
1860	Interactive effects of elevated CO2 and soil fertility on isoprene emissions from Quercus robur. 2004 , 10, 1835-1843	41
1859	Variation in potential for isoprene emissions among Neotropical forest sites. 2004 , 10, 630-650	80
1858	Seasonal differences in isoprene and light-dependent monoterpene emission by Amazonian tree species. 2004 , 10, 663-682	97
1857	The above-ground coarse wood productivity of 104 Neotropical forest plots. 2004 , 10, 563-591	366
1856	Correlation of short-chained carbonyls emitted from Picea abies with physiological and environmental parameters. 2004 , 162, 717-727	56
1855	Understanding and managing the global carbon cycle. 2004 , 92, 189-202	245
1854	Endogenous isoprene protects Phragmites australis leaves against singlet oxygen. 2004 , 122, 219-225	84
1853	Monoterpene emission responses to elevated CO2 in a Mediterranean-type ecosystem. 2004 , 161, 17-21	24
1852	Estimating the biogenic emissions of non-methane volatile organic compounds from the North Western Mediterranean vegetation of Catalonia, Spain. 2004 , 329, 241-59	46
1851	Aerosol-chamber study of the ∃-pinene/O3 reaction: influence of particle acidity on aerosol yields and products. 2004 , 38, 761-773	284

1850	SOA formation from the photooxidation of ⊞-pinene in the presence of freshly emitted diesel soot exhaust. 2004 , 38, 2597-2605	69
1849	Proton transfer reaction rate constants between hydronium ion (H3O+) and volatile organic compounds. 2004 , 38, 2177-2185	236
1848	Reaction of \Box -cedrene with ozone: mechanism, gas and particulate products distribution. 2004 , 38, 2709-2725	31
1847	Isoprene and monoterpenes biogenic emissions in France: modeling and impact during a regional pollution episode. 2004 , 38, 3853-3865	52
1840	The roles of individual oxidants in secondary organic aerosol formation from B-carene: 2. soa formation and oxidant contribution. 2004 , 38, 4013-4023	16
184	The roles of individual oxidants in secondary organic aerosol formation from B-carene: 1. gas-phase chemical mechanism. 2004 , 38, 4001-4012	13
1842	The assessment of the seasonal contribution of the anthropogenic sources to the carbon monoxide budget in Europe. 2004 , 38, 4147-4154	10
1843	Formation of secondary organic aerosols from isoprene and its gas-phase oxidation products through reaction with hydrogen peroxide. 2004 , 38, 4093-4098	289
1842	Modeling the effects of VOC and NOX emission sources on ozone formation in Houston during the TexAQS 2000 field campaign. 2004 , 38, 5071-5085	57
184:	Effect of drought on isoprene emission rates from leaves of Quercus virginiana Mill 2004 , 38, 6149-6156	112
1840	A selected ion flow tube study of the reactions of H3O+, NO+ and O2+ with some monoterpene oxidation products. 2004 , 239, 7-16	19
1839	Lidar remote sensing for modeling gross primary production of deciduous forests. 2004 , 92, 158-172	53
1838	Reducing epistemological uncertainty in life cycle inventory. 2004 , 12, 369-388	33
1837	Measurements of the kinetics of the OH-initiated oxidation of methyl vinyl ketone and methacrolein. 2004 , 36, 12-25	30
1836	Urban air measurements using PTR-MS in Tokyo area and comparison with GC-FID measurements. 2004 , 235, 103-110	40
1835	Atmospheric variability of biogenic VOCs in the surface layer measured by proton-transfer-reaction mass spectrometry. 2004 , 239, 77-86	16
1834	Membrane inlet proton transfer reaction mass spectrometry (MI-PTRMS) for direct measurements of VOCs in water. 2004 , 239, 171-177	18
1833	Isoprene and other non-methane hydrocarbons from seaweeds: a source of reactive hydrocarbons to the atmosphere. 2004 , 88, 61-73	106

1832	Theoretical study of the OH addition to the pinene. 2004 , 391, 152-156	9
1831	Use of computer-assisted methods for the modeling of the retention time of a variety of volatile organic compounds: a PCA-MLR-ANN approach. 2004 , 44, 1328-35	84
1830	Intramolecular Hydrogen Bonding and Double H-Atom Transfer in Peroxy and Alkoxy Radicals from Isoprene. 2004 , 108, 2199-2207	47
1829	Kinetics and Mechanism of the Reaction of the Hydroxyl Radical with h8-Isoprene and d8-Isoprene: Isoprene Absorption Cross Sections, Rate Coefficients, and the Mechanism of Hydroperoxyl Radical Production. 2004 , 108, 1537-1551	29
1828	Nontraditional (Per)oxy Ring-Closure Paths in the Atmospheric Oxidation of Isoprene and Monoterpenes. 2004 , 108, 5197-5204	48
1827	IMPACT, the LLNL 3-D global atmospheric chemical transport model for the combined troposphere and stratosphere: Model description and analysis of ozone and other trace gases. <i>Journal of Geophysical Research</i> , 2004 , 109, n/a-n/a	96
1826	Top-down estimates of global CO sources using MOPITT measurements. 2004 , 31,	91
1825	High contribution of biogenic hydroperoxides to secondary organic aerosol formation. 2004, 31, n/a-n/a	57
1824	Kinetic Study of the OH-isoprene and O3-isoprene reaction in the atmosphere simulation chamber, SAPHIR. 2004 , 31, n/a-n/a	31
1823	Impact of Amazonian deforestation on atmospheric chemistry. 2004 , 31, n/a-n/a	33
1822	Seasonal variability of secondary organic aerosol: A global modeling study. <i>Journal of Geophysical Research</i> , 2004 , 109, n/a-n/a	67
1821	Comprehensive laboratory measurements of biomass-burning emissions: 2. First intercomparison of open-path FTIR, PTR-MS, and GC-MS/FID/ECD. <i>Journal of Geophysical Research</i> , 2004 , 109,	139
1820	Analysis of the atmospheric distribution, sources, and sinks of oxygenated volatile organic chemicals based on measurements over the Pacific during TRACE-P. <i>Journal of Geophysical Research</i> , 2004 , 109,	194
1819	Interactive chemistry in the Laboratoire de M^ t^ brologie Dynamique general circulation model: Description and background tropospheric chemistry evaluation. <i>Journal of Geophysical Research</i> , 2004 , 109, n/a-n/a	305
1818	A study of the NOx dependence of isoprene oxidation. Journal of Geophysical Research, 2004, 109,	26
1817	Comparison between archived and off-line diagnosed convective mass fluxes in the chemistry transport model TM3. <i>Journal of Geophysical Research</i> , 2004 , 109,	17
1816	A study of the global cycle of carbonaceous aerosols in the LMDZT general circulation model. Journal of Geophysical Research, 2004 , 109,	72
1815	Variation on the atmospheric concentrations of biogenic carbonyl compounds and their removal processes in the northern forest at Moshiri, Hokkaido Island in Japan. <i>Journal of Geophysical Research</i> , 2004 , 109, n/a-n/a	53

1814	Sensitivity of global biogenic isoprenoid emissions to climate variability and atmospheric CO2. Journal of Geophysical Research, 2004 , 109, n/a-n/a	53
1813	Global simulation of tropospheric ozone using the University of Maryland Chemical Transport Model (UMD-CTM): 1. Model description and evaluation. <i>Journal of Geophysical Research</i> , 2004 , 109,	10
1812	Long-range transport of Asian pollution to the northeast Pacific: Seasonal variations and transport pathways of carbon monoxide. <i>Journal of Geophysical Research</i> , 2004 , 109,	222
1811	Forest thinning experiment confirms ozone deposition to forest canopy is dominated by reaction with biogenic VOCs. 2004 , 31,	126
1810	Multiscale simulations of tropospheric chemistry in the eastern Pacific and on the U.S. West Coast during spring 2002. <i>Journal of Geophysical Research</i> , 2004 , 109,	26
1809	MIRAGE: Model description and evaluation of aerosols and trace gases. <i>Journal of Geophysical Research</i> , 2004 , 109,	216
1808	A thermal dissociationadhemical ionization mass spectrometry (TD-CIMS) technique for the simultaneous measurement of peroxyacyl nitrates and dinitrogen pentoxide. <i>Journal of Geophysical Research</i> , 2004 , 109,	224
1807	Exchange processes of volatile organic compounds above a tropical rain forest: Implications for modeling tropospheric chemistry above dense vegetation. <i>Journal of Geophysical Research</i> , 2004 , 109,	193
1806	Modeling atmospheric sulfur over the Northern Hemisphere during the Aerosol Characterization Experiment 2 experimental period. <i>Journal of Geophysical Research</i> , 2004 , 109, n/a-n/a	23
1805	Cycloalkene ozonolysis: collisionally mediated mechanistic branching. 2004 , 126, 12363-73	70
1804	Ozonolysis Fragment Quenching by Nitrate Formation: The Pressure Dependence of Prompt OH Radical Formation. 2004 , 108, 9096-9104	56
1803	High abundance of gaseous and particulate 4-oxopentanal in the forestal atmosphere. 2004 , 55, 1143-7	23
1802	Nonlinear Aspects of the Climate Response to Greenhouse Gas and Aerosol Forcing. 2004 , 17, 2384-2398	129
1801	Organic Trace Gases in the Atmosphere: An Overview. 2004 , 1, 125	58
1800	A selected ion flow tube study of the reactions of H3O+, NO+ and O2+ with methyl vinyl ketone and some atmospherically important aldehydes. 2005 , 244, 50-59	27
1799	A selected ion flow tube study of the reactions of H3O+, NO+ and O2+ with some oxygenated biogenic volatile organic compounds. 2005 , 247, 1-9	26
1798	Theoretical enthalpies of formation for atmospheric hydroxycarbonyls. 2005 , 713, 119-125	10
1797	Fate of several hydroxyalkyl isoprene radicals: Formation of hydroxycarbonyl compounds. 2005 , 406, 404-408	5

1796	Theoretical study of the OH addition to the endocyclic and exocyclic double bonds of the d-limonene. 2005 , 409, 23-28	15
1795	Theoretical study of OH addition to ⊞-pinene and ∰inene. 2005 , 411, 1-7	23
1794	Consequences of inhibition of isoprene synthesis in Phragmites australis leaves exposed to elevated temperatures. 2005 , 106, 209-217	25
1793	Coupling isoprene and monoterpene emissions from Amazonian tree species with physiological and environmental parameters using a neural network approach. 2005 , 28, 287-301	11
1792	Development of the capacity for isoprene emission in kudzu. 2005 , 28, 898-905	85
1791	The effects of glacial atmospheric CO2 concentrations and climate on isoprene emissions by vascular plants. 2005 , 11, 60-69	104
1790	The effect of elevated atmospheric CO2 and drought on sources and sinks of isoprene in a temperate and tropical rainforest mesocosm. 2005 , 11, 1234-1246	43
1789	Use of carbon-11 in Populus shows that exogenous jasmonic acid increases biosynthesis of isoprene from recently fixed carbon. 2005 , 28, 591-602	54
1788	Variations in the Volatile Organic Compound Emission Potential of Plant Functional Groups in the Temperate Grassland Vegetation of Inner Mongolia, China. 2005 , 47, 13-19	8
1787	Wet and dry season ecosystem level fluxes of isoprene and monoterpenes from a southeast Asian secondary forest and rubber tree plantation. 2005 , 39, 381-390	47
1786	Emission of non-methane volatile organic compounds (VOCs) from boreal peatland microcosmsâlffects of ozone exposure. 2005 , 39, 921-930	24
1785	Monoterpene emissions from Beech (Fagus sylvatica) in a French forest and impact on secondary pollutants formation at regional scale. 2005 , 39, 3535-3547	47
1784	Impacts of different emission sources on air quality during March 2001 in the Pearl River Delta (PRD) region. 2005 , 39, 5227-5241	96
1783	A high-resolution emission inventory for eastern China in 2000 and three scenarios for 2020. 2005 , 39, 5917-5933	85
1782	NMHC measurements of motorway emissions during the BAB II field campaign. 2005 , 39, 5685-5695	4
1781	Particle nucleation from the reaction of ⊞-pinene and O3. 2005 , 39, 6822-6832	65
1780	Estimation of biogenic volatile organic compounds emissions in subtropical islandTaiwan. 2005 , 346, 184-99	40
1779	Computations on the A-X transition of isoprene-OH-O2 peroxy radicals. 2005 , 26, 836-45	3

1778	Atmosphere, a chemical reactor-formation pathways of secondary organic aerosols. 2005, 44, 1444-6	4
1777	Atmosph^ Ee âlein chemischer Reaktor: Bildungsmechanismus sekund^ Eer organischer Aerosole. 2005 , 117, 1468-1470	
1776	Rate coefficients for the gas-phase reaction of isoprene with NO3 and NO2. 2005 , 37, 57-65	14
1775	Measurements of the kinetics of the OH-initiated oxidation of 即inene: Radical propagation in the OH + 即inene + O2 + NO reaction system. 2005 , 37, 522-531	7
1774	The production of organic nitrates from various anthropogenic volatile organic compounds. 2005 , 37, 675-685	24
1773	Biochemical properties of isoprene synthase in poplar (Populus x canescens). 2005 , 222, 777-86	70
1772	Amazonia and the modern carbon cycle: lessons learned. 2005 , 143, 483-500	79
1771	The interacting effects of elevated atmospheric CO2 concentration, drought and leaf-to-air vapour pressure deficit on ecosystem isoprene fluxes. 2005 , 146, 120-9	35
1770	Plant VOCs emission: a new strategy of thermotolerance. 2005 , 16, 323-326	4
1769	Simulation of tropospheric ozone with MOZART-2: An evaluation study over East Asia. 2005 , 22, 585-594	3
1768	Influence of Biogenic Secondary Organic Aerosol Formation Approaches on Atmospheric Chemistry. 2005 , 51, 235-270	14
1767	Gas Chromatographic Determination of Extractable Compounds Composition and Emission Rate of Volatile Terpenes from Larch Needle Litter. 2005 , 50, 263-278	13
1766	On the Measurement of PANs by Gas Chromatography and Electron Capture Detection. 2005 , 52, 19-43	54
1765	Theoretical study of the formation reaction of the methyl vinyl ketone: A conformational approach. 2005 , 105, 518-526	2
1764	Model study of the impact of biogenic emission on regional ozone and the effectiveness of emission reduction scenarios over eastern China. 2005 , 57, 12-27	15
1763	Qu^ finica atmosf^ fica na Amaz^ filia: a floresta e as emiss^ filias de queimadas controlando a composi^ 🛮 filias da atmosfera amaz^ filica. 2005 , 35, 185-196	45
1762	Planetary Machinery: The Dynamics of the Earth System Prior to Significant Human Influence. 2005 , 11-80	
1761	Ozonolysis of alpha-pinene and beta-pinene: kinetics and mechanism. 2005 , 122, 114308	87

1760	Time Resolved Infrared Spectroscopic Analysis of Aerosol Formed by Photo-Oxidation of 1,3,5-Trimethylbenzene and ⊞-Pinene. 2005 , 39, 822-830	49
1759	The capacity for thermal protection of photosynthetic electron transport varies for different monoterpenes in Quercus ilex. 2005 , 139, 485-96	101
1758	Modelling the ambient distribution of organic compounds during the august 2003 ozone episode in the southern UK. 2005 , 130, 311-26; discussion 363-86, 519-24	41
1757	Design and field application of an automated cartridge sampler for VOC concentration and flux measurements. 2005 , 7, 568-76	14
1756	Measurements of biogenic hydrocarbons and carbonyl compounds emitted by trees from temperate warm Atlantic rainforest, Brazil. 2005 , 7, 493-9	13
1755	Monitoring OH-initiated oxidation kinetics of isoprene and its products using online mass spectrometry. 2005 , 39, 1030-6	43
1754	Kinetic mechanism for predicting secondary organic aerosol formation from the reaction of d-limonene with ozone. 2005 , 39, 9583-94	118
1753	Atmospheric chemistry of C3-C6 cycloalkanecarbaldehydes. 2005 , 109, 5104-18	24
1752	Development and application of an urban tree air quality score for photochemical pollution episodes using the Birmingham, United Kingdom, area as a case study. 2005 , 39, 6730-8	75
1751	Products and mechanism of secondary organic aerosol formation from reactions of n-alkanes with OH radicals in the presence of NOx. 2005 , 39, 9229-36	218
1750	Secondary organic aerosol production from terpene ozonolysis. 1. Effect of UV radiation. 2005 , 39, 7036-45	150
1749	Isoprene forms secondary organic aerosol through cloud processing: model simulations. 2005 , 39, 4441-6	361
1748	Emission of volatile organic compounds (VOC) from tropical plant species in India. 2005, 59, 1643-53	50
1747	Isoprene emission from tropical tree species. 2005 , 135, 101-9	34
1746	Gene expression and characterization of isoprene synthase from Populus alba. 2005 , 579, 2514-8	98
1745	Biogenic emissions from Pinus halepensis: a typical species of the Mediterranean area. 2005 , 74, 37-48	16
1744	Observed and modelled âdhemical weatherâlduring ESCOMPTE. 2005 , 74, 161-189	80
1743	Impact of a highly detailed emission inventory on modeling accuracy. 2005 , 74, 65-88	22

1742	Tropical tropospheric ozone morphology and seasonality seen in satellite and in situ measurements and model calculations. <i>Journal of Geophysical Research</i> , 2005 , 110,	9
1741	The ice age methane budget. 2005 , 32,	103
1740	On the role of atmospheric chemistry in the global CO2 budget. 2005 , 32,	29
1739	Regional aerosol properties: Comparisons of boundary layer measurements from ACE 1, ACE 2, Aerosols99, INDOEX, ACE Asia, TARFOX, and NEAQS. <i>Journal of Geophysical Research</i> , 2005 , 110, n/a-n/a	122
1738	Estimates of global multicomponent aerosol optical depth and direct radiative perturbation in the Laboratoire de M [^] t [^] brologie Dynamique general circulation model. <i>Journal of Geophysical Research</i> , 2005 , 110,	129
1737	Monte Carlo estimation of uncertainties in BEIS3 emission outputs and their effects on uncertainties in chemical transport model predictions. <i>Journal of Geophysical Research</i> , 2005 , 110,	29
1736	Comparison of the measured and simulated isoprene nitrate distributions above a forest canopy. Journal of Geophysical Research, 2005 , 110,	56
1735	Field monoterpene emission of Mediterranean oak (Quercus ilex) in the central Iberian Peninsula measured by enclosure and micrometeorological techniques: Observation of drought stress effect. Journal of Geophysical Research, 2005, 110,	28
1734	Global budget of methanol: Constraints from atmospheric observations. <i>Journal of Geophysical Research</i> , 2005 , 110,	230
1733	Variation in isoprene emission from Quercus rubra: Sources, causes, and consequences for estimating fluxes. <i>Journal of Geophysical Research</i> , 2005 , 110,	41
1732	Diurnal characteristics of surface level O3 and other important trace gases in New England. <i>Journal of Geophysical Research</i> , 2005 , 110,	70
1731	Evaluating the contribution of changes in isoprene emissions to surface ozone trends over the eastern United States. <i>Journal of Geophysical Research</i> , 2005 , 110,	136
1730	Tropospheric ozone evolution between 1890 and 1990. Journal of Geophysical Research, 2005, 110,	117
1729	Budget of organic carbon in a polluted atmosphere: Results from the New England Air Quality Study in 2002. <i>Journal of Geophysical Research</i> , 2005 , 110,	590
1728	Constraining global isoprene emissions with Global Ozone Monitoring Experiment (GOME) formaldehyde column measurements. <i>Journal of Geophysical Research</i> , 2005 , 110,	119
1727	Global modeling of aerosol dynamics: Model description, evaluation, and interactions between sulfate and nonsulfate aerosols. <i>Journal of Geophysical Research</i> , 2005 , 110,	191
1726	Cloud condensation nuclei activation of monoterpene and sesquiterpene secondary organic aerosol. <i>Journal of Geophysical Research</i> , 2005 , 110, n/a-n/a	89
1725	Influence of reduced carbon emissions and oxidation on the distribution of atmospheric CO2: Implications for inversion analyses. 2005 , 19, n/a-n/a	30

1724	Quantifying global marine isoprene fluxes using MODIS chlorophyll observations. 2005, 32,	96
1723	The composition and transport of organic carbon in rainfall: Insights from the natural (13C and 14C) isotopes of carbon. 2005 , 32, n/a-n/a	56
1722	Secondary organic aerosol formation from isoprene photooxidation under high-NOx conditions. 2005 , 32, n/a-n/a	269
1721	A large organic aerosol source in the free troposphere missing from current models. 2005 , 32, n/a-n/a	515
1720	Past and future changes in biogenic volatile organic compound emissions simulated with a global dynamic vegetation model. 2005 , 32,	129
1719	Role of canopy-scale photochemistry in modifying biogenic-atmosphere exchange of reactive terpene species: Results from the CELTIC field study. <i>Journal of Geophysical Research</i> , 2005 , 110,	98
1718	Dominance of organic aerosols in the marine boundary layer over the Gulf of Maine during NEAQS 2002 and their role in aerosol light scattering. <i>Journal of Geophysical Research</i> , 2005 , 110,	55
1717	Assessing future nitrogen deposition and carbon cycle feedback using a multimodel approach: Analysis of nitrogen deposition. <i>Journal of Geophysical Research</i> , 2005 , 110,	221
1716	Assessment of an ensemble of seven real-time ozone forecasts over eastern North America during the summer of 2004. <i>Journal of Geophysical Research</i> , 2005 , 110,	156
1715	Modeling of global biogenic emissions for key indirect greenhouse gases and their response to atmospheric CO2 increases and changes in land cover and climate. <i>Journal of Geophysical Research</i> , 2005 , 110,	24
1714	A kinetics and mechanistic study of the OH and NO2 initiated oxidation of cyclohexa-1,3-diene in the gas phase. 2005 , 7, 1194-204	15
1713	Formation and reaction of hydroxycarbonyls from the reaction of OH radicals with 1,3-butadiene and isoprene. 2005 , 39, 4091-9	63
1712	Quantum chemical and master equation studies of the methyl vinyl carbonyl oxides formed in isoprene ozonolysis. 2005 , 109, 10710-25	52
1711	Experimental and theoretical study of the reaction of OH radical with sabinene. 2006 , 8, 3211-7	8
1710	Reaction of HO with hydroxyacetone (HOCH2C(O)CH3): rate coefficients (233-363 K) and mechanism. 2006 , 8, 236-46	42
1709	Role of methane and biogenic volatile organic compound sources in late glacial and Holocene fluctuations of atmospheric methane concentrations. 2006 , 20, n/a-n/a	99
1708	Controls on methanol and acetone in marine and continental atmospheres. 2006, 33,	25
1707	How does climate change contribute to surface ozone change over the United States?. <i>Journal of Geophysical Research</i> , 2006 , 111,	169

(2006-2006)

1706	Multimodel ensemble simulations of present-day and near-future tropospheric ozone. <i>Journal of Geophysical Research</i> , 2006 , 111,	625
1705	Influences of man-made emissions and climate changes on tropospheric ozone, methane, and sulfate at 2030 from a broad range of possible futures. <i>Journal of Geophysical Research</i> , 2006 , 111,	68
1704	Time-dependent inversion estimates of global biomass-burning CO emissions using Measurement of Pollution in the Troposphere (MOPITT) measurements. <i>Journal of Geophysical Research</i> , 2006 , 111,	90
1703	Seasonal variation of carbon monoxide in northern Japan: Fourier transform IR measurements and source-labeled model calculations. <i>Journal of Geophysical Research</i> , 2006 , 111,	10
1702	Quantifying the seasonal and interannual variability of North American isoprene emissions using satellite observations of the formaldehyde column. <i>Journal of Geophysical Research</i> , 2006 , 111,	204
1701	Evaluation of SF6, C2Cl4, and CO to approximate fossil fuel CO2 in the Northern Hemisphere using a chemistry transport model. <i>Journal of Geophysical Research</i> , 2006 , 111,	33
1700	Significant light and temperature dependent monoterpene emissions from European beech (Fagus sylvatica L.) and their potential impact on the European volatile organic compound budget. <i>Journal of Geophysical Research</i> , 2006 , 111,	64
1699	Role of climate change in global predictions of future tropospheric ozone and aerosols. <i>Journal of Geophysical Research</i> , 2006 , 111,	201
1698	Formaldehyde distribution over North America: Implications for satellite retrievals of formaldehyde columns and isoprene emission. <i>Journal of Geophysical Research</i> , 2006 , 111,	146
1697	Seasonal variations and profile measurements of photolysis frequencies j(O1D) and j(NO2) at the ECHO forest field site. <i>Journal of Geophysical Research</i> , 2006 , 111,	7
1696	Secondary aerosol formation from the oxidation of biogenic hydrocarbons by chlorine atoms. Journal of Geophysical Research, 2006 , 111,	32
1695	Grid-based versus big region approach for inverting CO emissions using Measurement of Pollution in the Troposphere (MOPITT) data. <i>Journal of Geophysical Research</i> , 2006 , 111,	66
1694	Solar spectral actinic flux and photolysis frequency measurements in a deciduous forest. <i>Journal of Geophysical Research</i> , 2006 , 111,	6
1693	Influence of future climate and emissions on regional air quality in California. <i>Journal of Geophysical Research</i> , 2006 , 111,	139
1692	Past, present, and future concentrations of tropospheric ozone and aerosols: Methodology, ozone evaluation, and sensitivity to aerosol wet removal. <i>Journal of Geophysical Research</i> , 2006 , 111,	131
1691	Sensitivity of global tropospheric ozone and fine particulate matter concentrations to climate change. <i>Journal of Geophysical Research</i> , 2006 , 111,	130
1690	Carbon monoxide: A quantitative tracer for fossil fuel CO2?. <i>Journal of Geophysical Research</i> , 2006 , 111,	66
1689	Reactive uptake of pinonaldehyde on acidic aerosols. <i>Journal of Geophysical Research</i> , 2006 , 111,	56

1688	Influence of nutrient availability, stand age, and canopy structure on isoprene flux in a Eucalyptus saligna experimental forest. <i>Journal of Geophysical Research</i> , 2006 , 111, n/a-n/a	22
1687	Global secondary organic aerosol from isoprene oxidation. 2006 , 33,	360
1686	Laboratory observation of oligomers in the aerosol from isoprene/NOx photooxidation. 2006, 33,	139
1685	Gas-phase products and secondary aerosol yields from the photooxidation of 16 different terpenes. <i>Journal of Geophysical Research</i> , 2006 , 111,	280
1684	Establishing Lagrangian connections between observations within air masses crossing the Atlantic during the International Consortium for Atmospheric Research on Transport and Transformation experiment. <i>Journal of Geophysical Research</i> , 2006 , 111,	52
1683	Concentrations and sources of organic carbon aerosols in the free troposphere over North America. Journal of Geophysical Research, 2006 , 111,	97
1682	Modeling the response to changes in tropospheric methane concentration: Application to the Permian-Triassic boundary. 2006 , 21,	18
1681	Exposure of BEAS-2B cells to secondary organic aerosol coated on magnetic nanoparticles. 2006 , 19, 1044-50	48
1680	Isoprene prevents the negative consequences of high temperature stress in Platanus orientalis leaves. 2006 , 33, 931-940	33
1679	Secondary organic aerosol formation from limonene ozonolysis: homogeneous and heterogeneous influences as a function of NO(x). 2006 , 110, 11053-63	131
1678	Analysis of secondary organic aerosol compounds from the photooxidation of d-limonene in the presence of NOx and their detection in ambient PM2.5. 2006 , 40, 3819-28	78
1677	Secondary organic aerosol formation from isoprene photooxidation. 2006 , 40, 1869-77	630
1676	Isoprene emission from tropical trees in Okinawa Island, Japan. 2006 , 65, 2138-44	21
1675	Can topological indices be used to predict gas-phase rate coefficients of importance to tropospheric chemistry? Reactions of alkenes with OH, NO3 and O3. 2006 , 65, 2035-44	17
1674	Development of the high spatial resolution EMICAT2000 emission model for air pollutants from the north-eastern Iberian Peninsula (Catalonia, Spain). 2006 , 140, 200-19	39
1673	Efficient retrieval of vegetation leaf area index and canopy clumping factor from satellite data to support pollutant deposition assessments. 2006 , 141, 539-49	9
1672	Impact of short-term and long-term elevated CO2 on emission of carbonyls from adult Quercus petraea and Carpinus betulus trees. 2006 , 142, 246-53	8
1671	Response to Firn and Jones: Volatile isoprenoids, a special case of secondary metabolism. 2006 , 11, 113-114	11

(2006-2006)

1670	The contribution of boundary layer nucleation events to total particle concentrations on regional and global scales. 2006 , 6, 5631-5648	299
1669	Interactive chemistry in the Laboratoire de M^ t^ brologie Dynamique general circulation model: model description and impact analysis of biogenic hydrocarbons on tropospheric chemistry. 2006 , 6, 2273-2319	180
1668	Estimates of global terrestrial isoprene emissions using MEGAN (Model of Emissions of Gases and Aerosols from Nature). 2006 , 6, 3181-3210	3065
1667	A mass spectrometric study of secondary organic aerosols formed from the photooxidation of anthropogenic and biogenic precursors in a reaction chamber. 2006 , 6, 5279-5293	202
1666	Impact of climate variability and land use changes on global biogenic volatile organic compound emissions. 2006 , 6, 2129-2146	259
1665	Hygroscopicity of secondary organic aerosols formed by oxidation of cycloalkenes, monoterpenes, sesquiterpenes, and related compounds. 2006 , 6, 2367-2388	217
1664	The evolution of the global aerosol system in a transient climate simulation from 1860 to 2100. 2006 , 6, 3059-3076	65
1663	Technical note: Implementation of prescribed (OFFLEM), calculated (ONLEM), and pseudo-emissions (TNUDGE) of chemical species in the Modular Earth Submodel System (MESSy). 2006 , 6, 3603-3609	151
1662	Columnar modelling of nucleation burst evolution in the convective boundary layer âlfirst results from a feasibility study Part IV: A compilation of previous observations for valuation of simulation results from a columnar modelling study. 2006 , 6, 4253-4274	5
1661	Impact of Climate Change on the Future Chemical Composition of the Global Troposphere. 2006 , 19, 3932-3951	69
1660	Mimicking the atmospheric OH-radical-mediated photooxidation of isoprene: formation of cloud-condensation nuclei polyols monitored by electrospray ionization mass spectrometry. 2006 , 20, 2104-8	29
1659	Sources of Variability in Isoprene Emission and Photosynthesis in Two Species of Tropical Wet Forest Trees1. 2006 , 32, 670-676	2
1658	Integrated studies of a photochemical smog episode in Hong Kong and regional transport in the Pearl River Delta of China. 2006 , 58, 31-40	34
1657	Thermal history regulates methylbutenol basal emission rate in Pinus ponderosa. 2006 , 29, 1298-308	17
1656	On the induction of volatile organic compound emissions by plants as consequence of wounding or fluctuations of light and temperature. 2006 , 29, 1820-8	259
1655	Caterpillar-elicited methanol emission: a new signal in plant-herbivore interactions?. 2006 , 46, 948-60	111
1654	Circadian control of isoprene emissions from oil palm (Elaeis guineensis). 2006 , 47, 960-8	59
1653	Drought effect on isoprene production and consumption in Biosphere 2 tropical rainforest. 2006 , 12, 456-469	45

1652	Physiological responses of forest trees to heat and drought. 2006 , 8, 556-71	302
1651	Isoprene emission from the forest of Haryana state. 2006 , 122, 145-51	2
1650	Global Modelling of the Atmospheric Methyl Bromide Budget. 2006 , 54, 133-159	48
1649	Terpene emissions from European beech (shape Fagus sylvatica~L.): Pattern and Emission Behaviour Over two Vegetation Periods. 2006 , 55, 81-102	37
1648	Product study of the reaction of OH radicals with isoprene in the atmosphere simulation chamber SAPHIR. 2006 , 55, 167-187	87
1647	Simulation Chamber Studies of the Atmospheric Oxidation of 2-Methyl-3-Buten-2-ol: Reaction with Hydroxyl Radicals and Ozone Under a Variety of Conditions. 2006 , 56, 33-55	43
1646	The radiative influence of aerosol effects on liquid-phase cumulus and stratiform clouds based on sensitivity studies with two climate models. 2006 , 27, 345-356	55
1645	Effects of Foliar and Root Applications of Methanol on the Growth of Arabidopsis, Tobacco, and Tomato Plants. 2006 , 25, 30-44	28
1644	Numerical study on the impacts of heterogeneous reactions on ozone formation in the Beijing urban area. 2006 , 23, 605-614	19
1643	Determination of a wide range of volatile and semivolatile organic compounds in snow by use of solid-phase micro-extraction (SPME). 2006 , 385, 57-66	25
1642	Capillary-HPLC-ESI-MS/MS method for the determination of acidic products from the oxidation of monoterpenes in atmospheric aerosol samples. 2006 , 385, 34-45	61
1641	Determination of complex mixtures of volatile organic compounds in ambient air: an overview. 2006 , 386, 1089-98	51
1640	The influence of exogenous monoterpene treatment and elevated temperature on growth, physiology, chemical content and headspace volatiles of two carrot cultivars (Daucus carota L.). 2006 , 56, 95-107	18
1639	Evaluation of the Models-3 Community Multi-scale Air Quality (CMAQ) modeling system with observations obtained during the TRACE-P experiment: Comparison of ozone and its related species. 2006 , 40, 4874-4882	61
1638	Monoterpene source emissions from Chamonix in the Alpine Valleys. 2006 , 40, 3613-3620	7
1637	Biogenic contributions to the chemical composition of airborne particles in a coniferous forest in Germany. 2006 , 40, 103-115	71
1636	Photosynthesis and substrate supply for isoprene biosynthesis in poplar leaves. 2006 , 40, 138-151	79
1635	A relaxed-eddy-accumulation method for the measurement of isoprenoid canopy-fluxes using an online gas-chromatographic technique and PTR-MS simultaneously. 2006 , 40, 43-54	40

(2006-2006)

1634	Development of species-based, regional emission capacities for simulation of biogenic volatile organic compound emissions in land-surface models: An example from Texas, USA. 2006 , 40, 1464-1479	9
1633	Biogenic carbonyl compounds within and above a coniferous forest in Germany. 2006 , 40, 81-91	55
1632	Process-based modelling of isoprenoid emissions from evergreen leaves of Quercus ilex (L.). 2006 , 40, 152-165	41
1631	Biogenic volatile organic compound emissions from desert vegetation of the southwestern US. 2006 , 40, 1645-1660	60
1630	Tropospheric degradation of 2-hydroxy-2-methylpropanal, a photo-oxidation product of 2-methyl-3-buten-2-ol: Kinetic and mechanistic study of its photolysis and its reaction with OH radicals. 2006 , 40, 2011-2019	19
1629	Trace gas exchange and gas phase chemistry in a Norway spruce forest: A study with a coupled 1-dimensional canopy atmospheric chemistry emission model. 2006 , 40, 28-42	76
1628	Formation of secondary organic particle phase compounds from isoprene gas-phase oxidation products: An aerosol chamber and field study. 2006 , 40, 2501-2509	97
1627	Can topological indices be used to predict gas-phase rate coefficients of importance to tropospheric chemistry? Free radical abstraction reactions of alkanes. 2006 , 40, 2488-2500	17
1626	Experiments on forest/atmosphere exchange: Climatology and fluxes during two summer campaigns in NE Bavaria. 2006 , 40, 3-20	31
1625	Evaluation of meteorological parameters over a coniferous forest in a single-column chemistry-climate model. 2006 , 40, 21-27	13
1624	Evaluation of peroxide exchanges over a coniferous forest in a single-column chemistry-climate model. 2006 , 40, 68-80	23
1623	Regional biogenic emissions of reactive volatile organic compounds (BVOC) from forests: Process studies, modelling and validation experiments (BEWA2000). 2006 , 40, 1-2	114
1622	VOC emissions from Norway spruce (Picea abies L. [Karst]) twigs in the fieldâ R esults of a dynamic enclosure study. 2006 , 40, 128-137	65
1621	Emissions of monoterpenes linalool and ocimene respond differently to environmental changes due to differences in physico-chemical characteristics. 2006 , 40, 4649-4662	49
1620	Isoprene and monoterpene emissions from an Inner Mongolia grassland. 2006 , 40, 5753-5758	37
1619	Daily, weekly, and seasonal time courses of VOC concentrations in a semi-urban area near Barcelona. 2006 , 40, 7752-7769	95
1618	Biogenic emissions of isoprenoids and NO in China and comparison to anthropogenic emissions. 2006 , 371, 238-51	53
1617	The biogenic volatile organic compounds emission inventory in France: application to plant ecosystems in the Berre-Marseilles area (France). 2006 , 372, 164-82	29

1616	The potential impact of biogenic emissions of isoprene on urban chemistry in the United Kingdom. 2006 , 7, 96-100	6
1615	Utilisation of C2âlī4 gaseous hydrocarbons and isoprene by microorganisms. 2006 , 81, 237-256	68
1614	Gaseous and Particulate Products from the Atmospheric Ozonolysis of a Biogenic Hydrocarbon, Sabinene. 2006 , 3, 286	8
1613	Future Changes in Biogenic Isoprene Emissions: How Might They Affect Regional and Global Atmospheric Chemistry?. 2006 , 10, 1-19	95
1612	Dimethylallyl diphosphate and geranyl diphosphate pools of plant species characterized by different isoprenoid emissions. 2006 , 141, 721-30	54
1611	Phytoplankton and cloudiness in the Southern Ocean. 2006 , 314, 1419-23	263
1610	Ecology. A positive feedback with negative consequences. 2007 , 316, 212-3	55
1609	Plants utilize isoprene emission as a thermotolerance mechanism. 2007 , 48, 1254-62	94
1608	Anthropogenic VOCs. 2007, 33-81	15
1607	Biogenic VOCs. 2007 , 82-128	16
1606	PAN and Related Compounds. 2007, 221-268	29
1605	Organic Nitrates. 2007 , 269-291	6
1604	Critical issues in trace gas biogeochemistry and global change. 2007 , 365, 1629-42	20
1603	Climate/chemistry feedbacks and biogenic emissions. 2007 , 365, 1727-40	19
1602	Volatile Organic Compounds in the Atmosphere: An Overview. 2007 , 1-32	17
1601	Oxygenated Volatile Organic Compounds. 2007 , 129-172	14
1600	The influence of African air pollution on regional and global tropospheric ozone. 2007 , 7, 1193-1212	63
1599	Process-based estimates of terrestrial ecosystem isoprene emissions: incorporating the effects of a direct CO₂-isoprene interaction. 2007 , 7, 31-53	237

1598	Isoprene and monoterpene measurements in a secondary forest in northern Benin. 2007 , 7, 4095-4106	50
1597	Nitrate aerosols today and in 2030: a global simulation including aerosols and tropospheric ozone. 2007 , 7, 5043-5059	202
1596	Effect of NO_x level on secondary organic aerosol (SOA) formation from the photooxidation of terpenes. 2007 , 7, 5159-5174	340
1595	Simulating organic species with the global atmospheric chemistry general circulation model ECHAM5/MESSy1: a comparison of model results with observations. 2007 , 7, 2527-2550	81
1594	Isoprene and monoterpene fluxes from Central Amazonian rainforest inferred from tower-based and airborne measurements, and implications on the atmospheric chemistry and the local carbon budget. 2007 , 7, 2855-2879	159
1593	Ambient sesquiterpene concentration and its link to air ion measurements. 2007 , 7, 2893-2916	23
1592	Hydrocarbon fluxes above a Scots pine forest canopy: measurements and modeling. 2007, 7, 3361-3372	111
1591	The Tropical Forest and Fire Emissions Experiment: overview and airborne fire emission factor measurements. 2007 , 7, 5175-5196	187
1590	A new tropospheric and stratospheric Chemistry and Transport Model MOCAGE-Climat for multi-year studies: evaluation of the present-day climatology and sensitivity to surface processes. 2007 , 7, 5815-5860	95
1589	Modelling the global tropospheric ozone budget: exploring the variability in current models. 2007 , 7, 2643-2660	158
1588	Model study of the cross-tropopause transport of biomass burning pollution. 2007 , 7, 3713-3736	145
1587	Ozonolysis of ⊞-pinene: parameterization of secondary organic aerosol mass fraction. 2007 , 7, 3811-3821	139
1586	Air-sea fluxes of methanol, acetone, acetaldehyde, isoprene and DMS from a Norwegian fjord following a phytoplankton bloom in a mesocosm experiment. 2007 , 7, 739-755	100
1585	Mirror image hydrocarbons from Tropical and Boreal forests. 2007 , 7, 973-980	52
1584	An Algorithm for the Calculation of Secondary Organic Aerosol Density Combining AMS and SMPS Data. 2007 , 41, 1002-1010	133
1583	Hard target UV lidar measurements of isoprene mixing ratios and emission rates from eucalyptus trees. 2007 , 46, 6344-9	
1582	Absorption cross-sections of the C-h overtone of volatile organic compounds: 2 methyl-1,3-butadiene (isoprene), 1,3-butadiene, and 2,3-dimethyl-1,3-butadiene. 2007 , 61, 230-6	14
1581	Modelling net ecosystem carbon and water exchange of a temperate Eucalyptus delegatensis forest using multiple constraints. 2007 , 145, 48-68	37

1580	Does isoprene protect plant membranes from thermal shock? A molecular dynamics study. 2007 , 1768, 198-206	81
1579	Water deficit stress induces different monoterpene and sesquiterpene emission changes in Mediterranean species. Relationship between terpene emissions and plant water potential. 2007 , 67, 276-84	105
1578	Identification of methyl chloride-emitting plants and atmospheric measurements on a subtropical island. 2007 , 69, 549-53	27
1577	A comparison of two different approaches for mapping potential ozone damage to vegetation. A model study. 2007 , 146, 715-25	100
1576	BIBLIOGRAPHY. 2007 , 347-408	
1575	Biogenic 2-methyl-3-buten-2-ol increases regional ozone and HOx sources. 2007 , 34,	29
1574	Biogeochemistry of Terrestrial Net Primary Production. 2007 , 1-35	0
1573	A two transition state model for radical-molecule reactions: applications to isomeric branching in the OH-isoprene reaction. 2007 , 111, 5582-92	67
1572	Structure-activity relationship for the addition of OH to (poly)alkenes: site-specific and total rate constants. 2007 , 111, 1618-31	89
1571	Isoprene emission from terrestrial ecosystems in response to global change: minding the gap between models and observations. 2007 , 365, 1677-95	108
1570	Rate coefficients for the reaction of OH with (E)-2-pentenal, (E)-2-hexenal, and (E)-2-heptenal. 2007 , 9, 2240-8	30
1569	Is hydrogen abstraction an important pathway in the reaction of alkenes with the OH radical?. 2007 , 9, 4349-56	31
1568	Pinic and pinonic acid formation in the reaction of ozone with alpha-pinene. 2007 , 1328-30	45
1567	Low-volatility poly-oxygenates in the OH-initiated atmospheric oxidation of alpha-pinene: impact of non-traditional peroxyl radical chemistry. 2007 , 9, 5241-8	91
1566	Atmospheric reaction of OH radicals with 1,3-butadiene and 4-hydroxy-2-butenal. 2007, 111, 12099-105	23
1565	Development of an automated cylindrical ion trap mass spectrometer for the determination of atmospheric volatile organic compounds. 2007 , 79, 5040-50	10
1564	Predicted secondary organic aerosol concentrations from the oxidation of isoprene in the eastern United States. 2007 , 41, 3984-90	23
1563	Rate coefficients for the OH + pinonaldehyde (C10H16O2) reaction between 297 and 374 K. 2007 , 41, 3959-65	11

(2007-2007)

1562	organic aerosol. 2007 , 41, 6678-83	247
1561	Photochemical aging of secondary organic aerosol particles generated from the oxidation of d-limonene. 2007 , 111, 1907-13	81
1560	Alpha-pinene oxidation in the presence of seed aerosol: estimates of nucleation rates, growth rates, and yield. 2007 , 41, 6046-51	24
1559	Global impacts of aerosols from particular source regions and sectors. <i>Journal of Geophysical Research</i> , 2007 , 112,	191
1558	Parameterizing the optical properties of carbonaceous aerosols in the Canadian Centre for Climate Modeling and Analysis Atmospheric General Circulation Model with impacts on global radiation and energy fluxes. <i>Journal of Geophysical Research</i> , 2007 , 112,	16
1557	Ozonolysis of \Box -pinene at atmospherically relevant concentrations: Temperature dependence of aerosol mass fractions (yields). <i>Journal of Geophysical Research</i> , 2007 , 112,	138
1556	Source characteristics of oxygenated volatile organic compounds and hydrogen cyanide. <i>Journal of Geophysical Research</i> , 2007 , 112,	39
1555	Ozone source attribution and its modulation by the Arctic oscillation during the spring months. <i>Journal of Geophysical Research</i> , 2007 , 112,	35
1554	Evaluation of the MOCAGE chemistry transport model during the ICARTT/ITOP experiment. <i>Journal of Geophysical Research</i> , 2007 , 112,	67
1553	Air mass classification in coastal New England and its relationship to meteorological conditions. Journal of Geophysical Research, 2007, 112,	29
1552	Have Australian rainfall and cloudiness increased due to the remote effects of Asian anthropogenic aerosols?. <i>Journal of Geophysical Research</i> , 2007 , 112,	111
1551	Particle nucleation following the O3 and OH initiated oxidation of ⊞-pinene and ⊞inene between 278 and 320 K. <i>Journal of Geophysical Research</i> , 2007 , 112,	33
1550	Nonmethane hydrocarbons in the transported and local air masses at a clean remote site on Hainan Island, south China. <i>Journal of Geophysical Research</i> , 2007 , 112,	17
1549	Biogenic secondary organic aerosol over the United States: Comparison of climatological simulations with observations. <i>Journal of Geophysical Research</i> , 2007 , 112,	189
1548	Cloud condensation nuclei prediction error from application of Kˆ filer theory: Importance for the aerosol indirect effect. <i>Journal of Geophysical Research</i> , 2007 , 112,	43
1547	Space-based formaldehyde measurements as constraints on volatile organic compound emissions in east and south Asia and implications for ozone. <i>Journal of Geophysical Research</i> , 2007 , 112,	189
1546	Determination of urban volatile organic compound emission ratios and comparison with an emissions database. <i>Journal of Geophysical Research</i> , 2007 , 112,	218
1545	Modeling and interpretation of stable carbon isotope ratios of ethane in global chemical transport models. <i>Journal of Geophysical Research</i> , 2007 , 112,	27

1544	Modeling carbonaceous aerosol over Europe: Analysis of the CARBOSOL and EMEP EC/OC campaigns. <i>Journal of Geophysical Research</i> , 2007 , 112,	145
1543	Modeling study of ozone seasonal cycle in lower troposphere over east Asia. <i>Journal of Geophysical Research</i> , 2007 , 112,	109
1542	Uncertainties in global aerosol simulations: Assessment using three meteorological data sets. Journal of Geophysical Research, 2007 , 112,	70
1541	Interannual variation in biogenic emissions on a regional scale. <i>Journal of Geophysical Research</i> , 2007 , 112,	14
1540	Sensitivity of global CO simulations to uncertainties in biomass burning sources. <i>Journal of Geophysical Research</i> , 2007 , 112,	43
1539	Sensitivity of U.S. surface ozone to future emissions and climate changes. 2007 , 34,	43
1538	Wildfires drive interannual variability of organic carbon aerosol in the western U.S. in summer. 2007 , 34,	103
1537	A large terrestrial source of methyl iodide. 2007 , 34,	57
1536	CO2 inhibition of global terrestrial isoprene emissions: Potential implications for atmospheric chemistry. 2007 , 34,	88
1535	3-methyl-1,2,3-butanetricarboxylic acid: An atmospheric tracer for terpene secondary organic aerosol. 2007 , 34,	228
1534	Global budget of CO, 1988â¶997: Source estimates and validation with a global model. <i>Journal of Geophysical Research</i> , 2007 , 112,	246
1533	The tropical forest and fire emissions experiment: Emission, chemistry, and transport of biogenic volatile organic compounds in the lower atmosphere over Amazonia. <i>Journal of Geophysical Research</i> , 2007 , 112,	176
1532	Global modeling analysis of tropospheric ozone and its radiative forcing from biomass burning emissions in the twentieth century. <i>Journal of Geophysical Research</i> , 2007 , 112,	16
1531	Climate response to projected changes in short-lived species under an A1B scenario from 2000âØ050 in the GISS climate model. <i>Journal of Geophysical Research</i> , 2007 , 112,	37
1530	Spectral signatures of photosynthesis. II. Coevolution with other stars and the atmosphere on extrasolar worlds. 2007 , 7, 252-74	210
1529	Theoretical study of reaction mechanisms of OH radical with toluene 1,2-epoxide/2-methyloxepin. 2007 , 111, 13088-98	7
1528	Biosph [^] Ee und Atmosph [^] Ee: Bedeutung biogener Kohlenwasserstoffe. 2007 , 41, 286-292	2
1527	Luftchemie und Klima. 2007 , 41, 138-150	10

152	Applications of CE-ESI-MS/MS analysis to structural elucidation of methylenecyclohexane ozonolysis products in the particle phase. 2007 , 28, 1364-70	22
152	Measurements of volatile organic compounds in the earth's atmosphere using proton-transfer-reaction mass spectrometry. 2007 , 26, 223-57	881
152	Kinetic and product study of the gas-phase reaction of sabinaketone with OH radical. 2007 , 39, 415-421	2
152	Performance characteristics of a new prototype for a portable GC using ambient air as carrier gas for on-site analysis. 2007 , 30, 1052-60	11
152	Characterization of 2-methylglyceric acid oligomers in secondary organic aerosol formed from the photooxidation of isoprene using trimethylsilylation and gas chromatography/ion trap mass spectrometry. 2007 , 42, 101-16	112
152	Cyclization of 1,4-hydroxycarbonyls is not a homogenous gas phase process. 2007 , 447, 5-9	13
152	Enantiomeric monoterpene emissions from natural and damaged Scots pine in a boreal coniferous forest measured using solid-phase microextraction and gas chromatography/mass spectrometry. 2007 , 1141, 138-44	45
151	9 Atmospheric chemistry: a forest air of chirality. 2007 , 446, 991	16
151	Volatile organic compounds emissions in Norway spruce (Picea abies) in response to temperature changes. 2007 , 130, 58-66	64
151	Sensitivity of terpene emissions to drought and fertilization in terpene-storing Pinus halepensis and non-storing Quercus ilex. 2007 , 131, 211-25	65
151	The global relationship between forest productivity and biomass. 2007 , 16, 618-631	150
151	Spatial and temporal variability of net ecosystem production in a tropical forest: testing the hypothesis of a significant carbon sink. 2007 , 13, 838-853	34
151.	CO2 balance of boreal, temperate, and tropical forests derived from a global database. 2007 , 13, 2509-2537	744
151	Monoterpene emissions from rubber trees (Hevea brasiliensis) in a changing landscape and climate: chemical speciation and environmental control. 2007 , 13, 2270-2282	46
151	Isoprene synthase expression and protein levels are reduced under elevated O3 but not under elevated CO2 (FACE) in field-grown aspen trees. 2007 , 30, 654-61	71
151	The relationship between isoprene emission rate and dark respiration rate in white poplar (Populus alba L.) leaves. 2007 , 30, 662-9	76
151	Regulation of isoprene emission in Populus trichocarpa leaves subjected to changing growth temperature. 2008 , 31, 258-67	38
150	9 Transgenic, non-isoprene emitting poplars don't like it hot. 2007 , 51, 485-99	201

1508	Green plant material versus ectoparasites in nests of Bonelli's eagle. 2007, 274, 070924015417004-???	13
1507	Sensitivity of volatile monoterpene emission to changes in canopy structure: a model-based exercise with a process-based emission model. 2007 , 173, 550-561	49
1506	Response of isoprene emission and carbon metabolism to drought in white poplar (Populus alba) saplings. 2007 , 175, 244-254	227
1505	A numerical study of influences of urban land-use change on ozone distribution over the Pearl River Delta region, China. 2007 , 59, 633-641	65
1504	Biogenic volatile organic compounds as potential carbon sources for microbial communities in soil from the rhizosphere of Populus tremula. 2007 , 268, 34-9	73
1503	Biodegradation of 2,4-dichlorophenol in the presence of volatile organic compounds in soils under different vegetation types. 2007 , 269, 323-30	22
1502	Monoterpene and sesquiterpene emissions of three Mediterranean species through calcareous and siliceous soils in natural conditions. 2007 , 41, 629-639	49
1501	Importance of wet precipitation as a removal and transport process for atmospheric water soluble carbonyls. 2007 , 41, 790-796	15
1500	Isoprene above the Eastern Mediterranean: Seasonal variation and contribution to the oxidation capacity of the atmosphere. 2007 , 41, 1002-1010	74
1499	Model evidence for a significant source of secondary organic aerosol from isoprene. 2007 , 41, 1267-1274	49
1498	Heterogeneous SOA yield from ozonolysis of monoterpenes in the presence of inorganic acid. 2007 , 41, 1483-1493	44
1497	Short-chain oxygenated VOCs: Emission and uptake by plants and atmospheric sources, sinks, and concentrations. 2007 , 41, 2477-2499	215
1496	Monoterpene and isoprene emissions from typical tree species in forests around Mexico City. 2007 , 41, 2780-2790	15
1495	The effects of increasing atmospheric ozone on biogenic monoterpene profiles and the formation of secondary aerosols. 2007 , 41, 4877-4887	46
1494	The formation of organic sulfate esters in the limonene ozonolysis secondary organic aerosol (SOA) under acidic conditions. 2007 , 41, 5571-5583	126
1493	Secondary organic aerosol importance in the future atmosphere. 2007 , 41, 4682-4692	188
1492	Volatile organic compound emissions from Siberian larch. 2007 , 41, 5807-5812	35
1491	Impact of biogenic VOC emissions on a tropical cyclone-related ozone episode in the Pearl River Delta region, China. 2007 , 41, 7851-7864	43

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1490	Estimates of the contributions of biogenic and anthropogenic hydrocarbons to secondary organic aerosol at a southeastern US location. 2007 , 41, 8288-8300	383
1489	Reaction of HO with glycolaldehyde, HOCH2CHO: rate coefficients (240-362 K) and mechanism. 2007 , 111, 897-908	28
1488	An Estimate of Biogenic Emissions of Volatile Organic Compounds during Summertime in China (7 pp). 2007 , 14 Suppl 1, 69-75	25
1487	Terpene emission in tissue culture. 2007 , 91, 87-95	9
1486	Seasonal variations in isoprene emission from tropical deciduous tree species. 2007 , 131, 231-5	12
1485	High temporal resolution measurements of ozone precursors in a rural background station. A two-year study. 2008 , 136, 53-68	18
1484	Size dependent partitioning of organic material: evidence for the formation of organic coatings on aqueous aerosols. 2007 , 57, 215-237	35
1483	Evaluation of \oplus - and \oplus inene degradation in the detailed tropospheric chemistry mechanism, MCM v3.1, using environmental chamber data. 2007 , 57, 171-202	20
1482	A technique for atmospheric measurements of stable carbon isotope ratios of isoprene, methacrolein, and methyl vinyl ketone. 2007 , 58, 181-202	17
1481	Effect of intraspecific competition and substrate type on terpene emissions from some Mediterranean plant species. 2007 , 33, 277-86	21
1480	Development of a PTR-TOFMS instrument for real-time measurements of volatile organic compounds in air. 2007 , 263, 1-11	52
1479	A selected ion flow tube study of the reactions of H3O+, NO+ and O2+ with a series of sesquiterpenes. 2008 , 272, 137-148	27
1478	Sensitivity of future ozone concentrations in the northeast USA to regional climate change. 2008 , 13, 597-606	24
1477	Predictive abilities of scaled quantum-mechanical molecular force fields: application to 2-methylbuta-1,3-diene (isoprene). 2008 , 19, 421-428	11
1476	Modelling of near-surface ozone over South Asia. 2008 , 59, 61-80	45
1475	Kinetics of the reactions of Cl atoms with 2-buten-1-ol, 2-methyl-2-propen-1-ol, and 3-methyl-2-buten-1-ol as a function of temperature. 2008 , 59, 187-197	24
1474	Emission of isoprene from common Indian plant species and its implications for regional air quality. 2008 , 144, 43-51	11
1473	A modeling study of the impact of natural and urban forest on ambient ozone. 2008 , 25, 483-492	3

1472	Possible functions of alternative nests in raptors: the case of Bonelliâ Eagle. 2008, 149, 253-259	20
1471	Mass spectrometric characterization of beta-caryophyllene ozonolysis products in the aerosol studied using an electrospray triple quadrupole and time-of-flight analyzer hybrid system and density functional theory. 2008 , 22, 165-86	25
1470	Kinetic study of 2-furanaldehyde, 3-furanaldehyde, and 5-methyl-2-furanaldehyde reactions initiated by Cl atoms. 2008 , 40, 670-678	12
1469	Direct dynamics study on the reaction of acetaldehyde with ozone. 2008 , 29, 247-55	10
1468	Chemistry around pinene and pinane: a facile synthesis of cyclobutanes and oxatricyclo-derivative of pinane from cis- and trans-pinanols. 2008 , 5, 910-9	17
1467	Quantum chemical and RRKM/master equation studies of isoprene ozonolysis: Methacrolein and methacrolein oxide. 2008 , 451, 186-191	31
1466	Computational study of the stability of ∃-nitroxy-substituted alkyl radicals. 2008 , 466, 127-130	15
1465	Assessing, mapping and quantifying the distribution of foliar biomass in Great Britain. 2008, 32, 838-856	6
1464	Determination of isoprene and alpha-/beta-pinene oxidation products in boreal forest aerosols from Hyyti [^] [] []Finland: diel variations and possible link with particle formation events. 2008 , 10, 138-49	68
1463	Modeling volatile isoprenoid emissionsa story with split ends. 2008 , 10, 8-28	110
1463 1462	Modeling volatile isoprenoid emissionsa story with split ends. 2008 , 10, 8-28 Effects of species composition, land surface cover, CO2 concentration and climate on isoprene emissions from European forests. 2008 , 10, 150-62	110 70
	Effects of species composition, land surface cover, CO2 concentration and climate on isoprene emissions from European forests. 2008 , 10, 150-62 Stomatal uptake and stomatal deposition of ozone in isoprene and monoterpene emitting plants.	
1462	Effects of species composition, land surface cover, CO2 concentration and climate on isoprene emissions from European forests. 2008 , 10, 150-62 Stomatal uptake and stomatal deposition of ozone in isoprene and monoterpene emitting plants.	70
1462 1461	Effects of species composition, land surface cover, CO2 concentration and climate on isoprene emissions from European forests. 2008 , 10, 150-62 Stomatal uptake and stomatal deposition of ozone in isoprene and monoterpene emitting plants. 2008 , 10, 44-54 Isoprene emission and primary metabolism in Phragmites australis grown under different	7° 67
1462 1461 1460	Effects of species composition, land surface cover, CO2 concentration and climate on isoprene emissions from European forests. 2008, 10, 150-62 Stomatal uptake and stomatal deposition of ozone in isoprene and monoterpene emitting plants. 2008, 10, 44-54 Isoprene emission and primary metabolism in Phragmites australis grown under different phosphorus levels. 2008, 10, 38-43 Reproducibility of a microbial river water community to self-organize upon perturbation with the	7° 67 28
1462 1461 1460	Effects of species composition, land surface cover, CO2 concentration and climate on isoprene emissions from European forests. 2008, 10, 150-62 Stomatal uptake and stomatal deposition of ozone in isoprene and monoterpene emitting plants. 2008, 10, 44-54 Isoprene emission and primary metabolism in Phragmites australis grown under different phosphorus levels. 2008, 10, 38-43 Reproducibility of a microbial river water community to self-organize upon perturbation with the natural chemical enantiomers, R- and S-carvone. 2008, 66, 208-20 Isoprene emission rates under elevated CO2 and O3 in two field-grown aspen clones differing in	7° 67 28
1462 1461 1460 1459 1458	Effects of species composition, land surface cover, CO2 concentration and climate on isoprene emissions from European forests. 2008, 10, 150-62 Stomatal uptake and stomatal deposition of ozone in isoprene and monoterpene emitting plants. 2008, 10, 44-54 Isoprene emission and primary metabolism in Phragmites australis grown under different phosphorus levels. 2008, 10, 38-43 Reproducibility of a microbial river water community to self-organize upon perturbation with the natural chemical enantiomers, R- and S-carvone. 2008, 66, 208-20 Isoprene emission rates under elevated CO2 and O3 in two field-grown aspen clones differing in their sensitivity to O3. 2008, 179, 55-61	70 67 28 7

1454	Volatile organic compounds in the biosphere-atmosphere system: a preface. 2008 , 10, 2-7	13
1453	Interannual and seasonal changes in the soil exchange rates of monoterpenes and other VOCs in a Mediterranean shrubland. 2008 , 59, 878-891	38
1452	Isoprene emissions influence herbivore feeding decisions. 2008 , 31, 1410-5	101
1451	Isoprene and nitric oxide reduce damages in leaves exposed to oxidative stress. 2008, 31, 1882-94	58
1450	Isoprene emission is not temperature-dependent during and after severe drought-stress: a physiological and biochemical analysis. 2008 , 55, 687-97	131
1449	Development of a computational system for estimating biogenic NMVOCs emissions based on GIS technology. 2008 , 42, 1777-1789	37
1448	Effects of elevated CO2 and temperature on monoterpene emission of Scots pine (Pinus sylvestris L.). 2008 , 42, 4160-4171	39
1447	Sensitivity of biogenic emissions simulated by a land-surface model to land-cover representations. 2008 , 42, 4185-4197	11
1446	Isoprene emission from the major native Quercus spp. in Japan. 2008 , 42, 4540-4550	54
1445	Emission and speciation of non-methane volatile organic compounds from anthropogenic sources in China. 2008 , 42, 4976-4988	198
1444	Performance characteristics of MM5âBMOKEâŒMAQ for a summer photochemical episode in southeast England, United Kingdom. 2008 , 42, 4870-4883	34
1443	Simulating secondary organic aerosol formation using the volatility basis-set approach in a chemical transport model. 2008 , 42, 7439-7451	241
1442	Modification of the isoprene emission model G93 for tropical tree Ficus virgata. 2008 , 42, 8747-8754	13
1441	An inventory of tree species in EuropeâAn essential data input for air pollution modelling. 2008 , 217, 292-304	61
1440	Estimation of vegetative mercury emissions in China. 2008, 20, 1070-4	5
1439	Impacts of biogenic emissions of VOC and NOx on tropospheric ozone during summertime in eastern China. 2008 , 395, 41-9	59
1438	Process analysis of typical summertime ozone episodes over the Beijing area. 2008 , 399, 147-57	78
1437	Surface ozone concentrations and ecosystem health: past trends and a guide to future projections. 2008 , 400, 257-69	72

1436	Cut-induced VOC emissions from agricultural grasslands. 2008 , 10, 76-85	63
1435	The structure and spectra of organic peroxy radicals. 2008 , 10, 3955-81	44
1434	Biogenic versus anthropogenic sources of CO in the United States. 2008 , 35,	116
1433	Contribution of particle formation to global cloud condensation nuclei concentrations. 2008 , 35,	347
1432	Future prediction of surface ozone over east Asia using Models-3 Community Multiscale Air Quality Modeling System and Regional Emission Inventory in Asia. <i>Journal of Geophysical Research</i> , 2008 , 113,	83
1431	An idealized two-dimensional approach to study the impact of the West African monsoon on the meridional gradient of tropospheric ozone. <i>Journal of Geophysical Research</i> , 2008 , 113,	17
1430	Effects of 2000â\(\textit{0}\)050 global change on ozone air quality in the United States. <i>Journal of Geophysical Research</i> , 2008 , 113,	142
1429	Contribution of isoprene to chemical budgets: A model tracer study with the NCAR CTM MOZART-4. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a	128
1428	Spatial distribution of isoprene emissions from North America derived from formaldehyde column measurements by the OMI satellite sensor. <i>Journal of Geophysical Research</i> , 2008 , 113,	196
1427	Modeling aerosol formation in alpha-pinene photo-oxidation experiments. <i>Journal of Geophysical Research</i> , 2008 , 113,	71
1426	Trace gas and aerosol interactions in the fully coupled model of aerosol-chemistry-climate ECHAM5-HAMMOZ: 1. Model description and insights from the spring 2001 TRACE-P experiment. <i>Journal of Geophysical Research</i> , 2008 , 113,	63
1425	Trace gas and aerosol interactions in the fully coupled model of aerosol-chemistry-climate ECHAM5-HAMMOZ: 2. Impact of heterogeneous chemistry on the global aerosol distributions. <i>Journal of Geophysical Research</i> , 2008 , 113,	34
1424	Predicted change in global secondary organic aerosol concentrations in response to future climate, emissions, and land use change. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a	291
1423	A global model study of processes controlling aerosol size distributions in the Arctic spring and summer. <i>Journal of Geophysical Research</i> , 2008 , 113,	64
1422	Volatile organic compounds in northern New England marine and continental environments during the ICARTT 2004 campaign. <i>Journal of Geophysical Research</i> , 2008 , 113,	29
1421	Sources of particulate matter in the northeastern United States in summer: 1. Direct emissions and secondary formation of organic matter in urban plumes. <i>Journal of Geophysical Research</i> , 2008 , 113,	158
1420	How biogenic terpenes govern the correlation between sulfuric acid concentrations and new particle formation. <i>Journal of Geophysical Research</i> , 2008 , 113,	62
1419	Regional modeling of organic aerosols over China in summertime. <i>Journal of Geophysical Research</i> , 2008 , 113,	59

1418	Global budgets of atmospheric glyoxal and methylglyoxal, and implications for formation of secondary organic aerosols. <i>Journal of Geophysical Research</i> , 2008 , 113,	495
1417	Effects of 2000â\(\textit{0}\)050 changes in climate and emissions on global tropospheric ozone and the policy-relevant background surface ozone in the United States. <i>Journal of Geophysical Research</i> , 2008 , 113,	100
1416	Globally significant oceanic source of organic carbon aerosol. 2008, 35, n/a-n/a	110
1415	Atmospheric Reactions of Oxygenated Volatile Organic Compounds+OH Radicals: Role of Hydrogen-Bonded Intermediates and Transition States. 2008 , 245-274	13
1414	Theoretical Investigation of Atmospheric Oxidation of Biogenic Hydrocarbons: A Critical Review. 2008 , 177-213	11
1413	Direct observation of the gas-phase Criegee intermediate (CH2OO). 2008 , 130, 11883-5	176
1412	The simulation of aerosol transport over East Asia region. 2008 , 90, 264-271	41
1411	Elemental and organic carbon in atmospheric aerosols at downtown and suburban sites in Prague. 2008 , 90, 287-302	58
1410	Gardening and urban landscaping: significant players in global change. 2008 , 13, 60-5	100
1409	Biogenic volatile organic compound emission potential of forests and paddy fields in the Kinki region of Japan. 2008 , 106, 156-69	35
1408	Approaches for quantifying reactive and low-volatility biogenic organic compound emissions by vegetation enclosure techniques - part B: applications. 2008 , 72, 365-80	74
1407	Methyl chloride and isoprene emissions from tropical rain forest in Southeast Asia. 2008, 35,	27
1406	Predicted impacts of climate and land use change on surface ozone in the Houston, Texas, area. <i>Journal of Geophysical Research</i> , 2008 , 113,	73
1405	Net ecosystem fluxes of isoprene over tropical South America inferred from Global Ozone Monitoring Experiment (GOME) observations of HCHO columns. <i>Journal of Geophysical Research</i> , 2008 , 113,	84
1404	Total hydrocarbon flux dynamics at a subarctic mire in northern Sweden. <i>Journal of Geophysical Research</i> , 2008 , 113,	34
1403	Importance of global aerosol modeling including secondary organic aerosol formed from monoterpene. <i>Journal of Geophysical Research</i> , 2008 , 113,	32
1402	Approaches for quantifying reactive and low-volatility biogenic organic compound emissions by vegetation enclosure techniques - part A. 2008 , 72, 343-64	119
1401	On the causal link between carbon dioxide and air pollution mortality. 2008 , 35,	100

1400	Multifunctional acid formation from the gas-phase ozonolysis of beta-pinene. 2008 , 10, 6115-26	24
1399	Mechanisms for the formation of secondary organic aerosol components from the gas-phase ozonolysis of alpha-pinene. 2008 , 10, 4294-312	58
1398	Oxidation of biogenic and water-soluble compounds in aqueous and organic aerosol droplets by ozone: a kinetic and product analysis approach using laser Raman tweezers. 2008 , 137, 173-92; discussion 193-204	40
1397	Impacts of Climate Change on Air Pollution Levels in the Northern Hemisphere with Special Focus on Europe and the Arctic. 2008 , 568-576	2
1396	High-resolution mass spectrometric analysis of secondary organic aerosol produced by ozonation of limonene. 2008 , 10, 1009-22	139
1395	Spatial and seasonal trends in biogenic secondary organic aerosol tracers and water-soluble organic carbon in the southeastern United States. 2008 , 42, 5171-6	125
1394	Contemporary or fossil origin: split of estimated secondary organic carbon in the southeastern United States. 2008 , 42, 9122-8	41
1393	Ozonolysis of geraniol-trans, 6-methyl-5-hepten-2-one, and 6-hydroxy-4-methyl-4-hexenal: kinetics and mechanisms. 2008 , 112, 6636-45	11
1392	Ozonolysis of beta-pinene: temperature dependence of secondary organic aerosol mass fraction. 2008 , 42, 5081-6	32
1391	Characterization of polar compounds and oligomers in secondary organic aerosol using liquid chromatography coupled to mass spectrometry. 2008 , 80, 474-80	40
1390	Release of isoprene and monoterpenes during the aerobic decomposition of orange wastes from laboratory incubation experiments. 2008 , 42, 3265-70	55
1389	Monoterpene and sesquiterpene emission estimates for the United States. 2008 , 42, 1623-9	156
1388	Organosulfate formation in biogenic secondary organic aerosol. 2008 , 112, 8345-78	487
1387	Development of a proton-transfer reaction-linear ion trap mass spectrometer for quantitative determination of volatile organic compounds. 2008 , 80, 8171-7	38
1386	Analysis and interpretation of the monitoring data for C2 C11 hydrocarbons in the atmosphere of a rural Portuguese site. 2008 , 32, 341	
1385	Leaf carbon assimilation in a water-limited world. 2008 , 142, 154-161	51
1384	Chapter 14 Smoke from Wildfires and Prescribed Burning in Australia: Effects on Human Health and Ecosystems. 2008 , 289-316	8
1383	Isoprene as a tool for plant protection against abiotic stresses. 2008 , 3, 1-15	29

1382	Sensitivity of Surface Ozone Simulation to Cumulus Parameterization. 2008, 47, 1456-1466	6
1381	Application of an Adaptive Nudging Scheme in Air Quality Forecasting in China. 2008, 47, 2105-2114	12
1380	Above-ground biomass and productivity in a rain forest of eastern South America. 2008, 24, 355-366	119
1379	Effects of large-scale Amazon forest degradation on climate and air quality through fluxes of carbon dioxide, water, energy, mineral dust and isoprene. 2008 , 363, 1873-80	42
1378	Evidence for marine production of monoterpenes. 2008 , 5, 391	110
1377	Boreal forests, aerosols and the impacts on clouds and climate. 2008 , 366, 4613-26	166
1376	Quantifying sources and sinks of trace gases using space-borne measurements: current and future science. 2008 , 366, 4509-28	8
1375	Biogenic nitrogen oxide emissions from soils âlimpact on NO_x and ozone over West Africa during AMMA (African Monsoon Multidisciplinary Experiment): modelling study. 2008 , 8, 2351-2363	46
1374	Impacts of climate change on air pollution levels in the Northern Hemisphere with special focus on Europe and the Arctic. 2008 , 8, 3337-3367	68
1373	Spatial and temporal variation of historical anthropogenic NMVOCs emission inventories in China. 2008 , 8, 7297-7316	158
1372	Total observed organic carbon (TOOC) in the atmosphere: a synthesis of North American observations. 2008 , 8, 2007-2025	81
1371	Assessment of high (diurnal) to low (seasonal) frequency variations of isoprene emission rates using a neural network approach. 2008 , 8, 2089-2101	13
1370	The influence of European pollution on ozone in the Near East and northern Africa. 2008, 8, 2267-2283	75
1369	Satellite measurement based estimates of decadal changes in European nitrogen oxides emissions. 2008 , 8, 2623-2641	76
1368	Impact of climate change on tropospheric ozone and its global budgets. 2008 , 8, 369-387	143
1367	Observations of HNO₃, AN, PN and NO₂ fluxes: evidence for rapid HO_x chemistry within a pine forest canopy. 2008 , 8, 3899-3917	80
1366	CCN activity and droplet growth kinetics of fresh and aged monoterpene secondary organic aerosol. 2008 , 8, 3937-3949	174
1365	Secondary organic aerosol (SOA) formation from reaction of isoprene with nitrate radicals (NO₃). 2008 , 8, 4117-4140	255

1364	Improved simulation of isoprene oxidation chemistry with the ECHAM5/MESSy chemistry-climate model: lessons from the GABRIEL airborne field campaign. 2008 , 8, 4529-4546	140
1363	Why are estimates of global terrestrial isoprene emissions so similar (and why is this not so for monoterpenes)?. 2008 , 8, 4605-4620	265
1362	Twelve years of global observations of formaldehyde in the troposphere using GOME and SCIAMACHY sensors. 2008 , 8, 4947-4963	174
1361	The influence of natural and anthropogenic secondary sources on the glyoxal global distribution. 2008 , 8, 4965-4981	149
1360	MATRIX (Multiconfiguration Aerosol TRacker of mIXing state): an aerosol microphysical module for global atmospheric models. 2008 , 8, 6003-6035	134
1359	Surface and boundary layer exchanges of volatile organic compounds, nitrogen oxides and ozone during the GABRIEL campaign. 2008 , 8, 6223-6243	67
1358	The effect of temperature and water on secondary organic aerosol formation from ozonolysis of limonene, & lt;sup>3</sup>-carene and ∃-pinene. 2008 , 8, 6541-6549	48
1357	Technical Note: Quantitative long-term measurements of VOC concentrations by PTR-MS âlmeasurement, calibration, and volume mixing ratio calculation methods. 2008 , 8, 6681-6698	144
1356	Near-ground ozone source attributions and outflow in central eastern China during MTX2006. 2008 , 8, 7335-7351	83
1355	Sources of carbon monoxide and formaldehyde in North America determined from high-resolution atmospheric data. 2008 , 8, 7673-7696	63
1354	The response of surface ozone to climate change over the Eastern United States. 2008 , 8, 871-885	66
1353	Global isoprene emissions estimated using MEGAN, ECMWF analyses and a detailed canopy environment model. 2008 , 8, 1329-1341	213
1352	Investigating the sources and atmospheric processing of fine particles from Asia and the Northwestern United States measured during INTEX B. 2008 , 8, 1835-1853	48
1351	Isoprene Emission Characteristics of Quercus serrata in a Deciduous Broad-Leaved Forest. 2008 , 64, 49-60	19
1350	Chemical sensing of plant stress at the ecosystem scale. 2008 , 5, 1287-1294	77
1349	Chemical characterization of volatile organic compounds on animal farms. 2008, 53, 641-651	22
1348	Abundances and flux estimates of volatile organic compounds from a dairy cowshed in Germany. 2008 , 37, 565-73	52
1347	Impact of Chemical Production and Transport on Summertime Diurnal Ozone Behavior at a Mountainous Site in North China Plain. 2008 , 4, 121-124	13

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1346	The ACCENT-VOCBAS field campaign on biosphere-atmosphere interactions in a Mediterranean ecosystem of Castelporziano (Rome): site characteristics, climatic and meteorological conditions, and eco-physiology of vegetation. 2009 , 6, 1043-1058	33
1345	Concentrations and fluxes of biogenic volatile organic compounds above a Mediterranean macchia ecosystem in western Italy. 2009 , 6, 1655-1670	70
1344	A new European plant-specific emission inventory of biogenic volatile organic compounds for use in atmospheric transport models. 2009 , 6, 1059-1087	111
1343	European emissions of isoprene and monoterpenes from the Last Glacial Maximum to present. 2009 , 6, 2779-2797	31
1342	Mountain birch âlþotentially large source of sesquiterpenes into high latitude atmosphere. 2009 , 6, 2709-2718	833
1341	Isoprene emission from wetland sedges. 2009 , 6, 601-613	35
1340	Chemistry. Epoxying isoprene chemistry. 2009 , 325, 687-8	7
1339	Biogenic carbon and anthropogenic pollutants combine to form a cooling haze over the southeastern United States. 2009 , 106, 8835-40	251
1338	Nitrogen management is essential to prevent tropical oil palm plantations from causing ground-level ozone pollution. 2009 , 106, 18447-51	140
1337	Theoretical investigation of the NOâFadical addition to double bonds of limonene. 2009 , 10, 3743-54	11
1336	Chemistry of Secondary Organic Aerosol Formation from OH Radical-Initiated Reactions of Linear, Branched, and Cyclic Alkanes in the Presence of NO x. 2009 , 43, 604-619	121
1335	Formation of nanoparticles of blue haze enhanced by anthropogenic pollution. 2009, 106, 17650-4	219
1334	Tropospheric H(2) budget and the response of its soil uptake under the changing environment. 2009 , 407, 1809-23	56
1333	Photochemical trajectory modelling of ozone during the summer PUMA campaign in the UK West Midlands. 2009 , 407, 2012-23	7
1332	Nonmethane hydrocarbon measurements at a suburban site in Changsha City, China. 2009 , 408, 312-7	12
1331	A biogenic volatile organic compound emission inventory for Hong Kong. 2009 , 43, 6442-6448	65
1330	Particulate matter at a rural location in southern England during 2006: Model sensitivities to precursor emissions. 2009 , 43, 689-696	28
1329	Past and future trends in concentrations of sulphur and nitrogen compounds in the Arctic. 2009 , 43, 928-939	44

1328	12C/13C kinetic isotope effects of the gas-phase reactions of isoprene, methacrolein, and methyl vinyl ketone with OH radicals. 2009 , 43, 3103-3110	17
1327	Emissions of isoprene, monoterpene and short-chained carbonyl compounds from Eucalyptus spp. in southern Australia. 2009 , 43, 3035-3043	75
1326	Gas-phase reaction of (E)-ffarnesene with ozone: Rate coefficient and carbonyl products. 2009 , 43, 3182-3190	26
1325	Carbon isotope analysis for source identification of atmospheric formaldehyde and acetaldehyde in Dinghushan Biosphere Reserve in South China. 2009 , 43, 3489-3495	28
1324	The impacts of reactive terpene emissions from plants on air quality in Las Vegas, Nevada. 2009 , 43, 4109-412	2362
1323	Atmospheric composition change: EcosystemsâAtmosphere interactions. 2009 , 43, 5193-5267	506
1322	Atmospheric composition change: Climateâ©hemistry interactions. 2009 , 43, 5138-5192	206
1321	Future land use and land cover influences on regional biogenic emissions and air quality in the United States. 2009 , 43, 5771-5780	42
1320	Atmospheric composition change âlglobal and regional air quality. 2009 , 43, 5268-5350	592
1319	Isoprene emissions and climate. 2009 , 43, 6121-6135	132
1319	Effect of illumination intensity and light application time on secondary organic aerosol formation from the photooxidation of alpha-pinene. 2009 , 21, 447-51	132 8
	Effect of illumination intensity and light application time on secondary organic aerosol formation	
1318	Effect of illumination intensity and light application time on secondary organic aerosol formation from the photooxidation of alpha-pinene. 2009 , 21, 447-51 Chemical composition and size distribution of secondary organic aerosol formed from the photooxidation of isoprene. 2009 , 21, 1525-31	8
1318	Effect of illumination intensity and light application time on secondary organic aerosol formation from the photooxidation of alpha-pinene. 2009 , 21, 447-51 Chemical composition and size distribution of secondary organic aerosol formed from the photooxidation of isoprene. 2009 , 21, 1525-31	8
1318 1317 1316	Effect of illumination intensity and light application time on secondary organic aerosol formation from the photooxidation of alpha-pinene. 2009, 21, 447-51 Chemical composition and size distribution of secondary organic aerosol formed from the photooxidation of isoprene. 2009, 21, 1525-31 Dissociative photoionization of isoprene: experiments and calculations. 2009, 44, 404-9	8 8 22
1318 1317 1316 1315	Effect of illumination intensity and light application time on secondary organic aerosol formation from the photooxidation of alpha-pinene. 2009, 21, 447-51 Chemical composition and size distribution of secondary organic aerosol formed from the photooxidation of isoprene. 2009, 21, 1525-31 Dissociative photoionization of isoprene: experiments and calculations. 2009, 44, 404-9 Possible impacts of anthropogenic and natural aerosols on Australian climate: a review. 2009, 29, 461-479 Rate constants for the gas-phase #myrcene + OH and isoprene + OH reactions as a function of	8 8 22 34
1318 1317 1316 1315	Effect of illumination intensity and light application time on secondary organic aerosol formation from the photooxidation of alpha-pinene. 2009, 21, 447-51 Chemical composition and size distribution of secondary organic aerosol formed from the photooxidation of isoprene. 2009, 21, 1525-31 Dissociative photoionization of isoprene: experiments and calculations. 2009, 44, 404-9 Possible impacts of anthropogenic and natural aerosols on Australian climate: a review. 2009, 29, 461-479 Rate constants for the gas-phase #myrcene + OH and isoprene + OH reactions as a function of temperature. 2009, 41, 407-413	8 8 22 34

(2009-2009)

1310	seedlings. 2009 , 53, 351-354	38
1309	Biogenic volatile organic compounds from an invasive species: impacts on plantaplant interactions. 2009 , 203, 195-205	34
1308	Kinetic study of the reaction of chlorine atoms with 3-methyl-3-buten-1-ol. 2009 , 54, 3808-3812	7
1307	Short-chained oxygenated VOC emissions in Pinus halepensis in response to changes in water availability. 2009 , 31, 311-318	38
1306	Impacts of weather conditions modified by urban expansion on surface ozone: Comparison between the Pearl River Delta and Yangtze River Delta regions. 2009 , 26, 962-972	89
1305	How plants can influence tropospheric chemistry: the role of isoprene emissions from the biosphere. 2009 , 64, 332-336	24
1304	Accumulation of 2-C-methyl-D-erythritol 2,4-cyclodiphosphate in illuminated plant leaves at supraoptimal temperatures reveals a bottleneck of the prokaryotic methylerythritol 4-phosphate pathway of isoprenoid biosynthesis. 2009 , 32, 82-92	56
1303	Isoprene synthesis protects transgenic tobacco plants from oxidative stress. 2009 , 32, 520-31	180
1302	Constitutive and herbivore-induced monoterpenes emitted by Populus x euroamericana leaves are key volatiles that orient Chrysomela populi beetles. 2009 , 32, 542-52	119
1301	Leaf isoprene emission rate as a function of atmospheric CO2 concentration. 2009 , 15, 1189-1200	121
1300	New particle formation in forests inhibited by isoprene emissions. 2009 , 461, 381-4	208
1299	Atmospheric chemistry: The man who smells forests. 2009 , 459, 498-9	
1298	Why and how terrestrial plants exchange gases with air. 2009 , 11 Suppl 1, 24-34	23
1297	Biogenic volatile organic compounds in the Earth system. 2009 , 183, 27-51	347
1296	Flowing afterglow selected ion flow tube (FA-SIFT) study of ion/molecule reactions in support of the detection of biogenic alcohols by medium-pressure chemical ionization mass spectrometry techniques. 2009 , 285, 31-41	11
1295	WRF/CHEM modeling of impacts of weather conditions modified by urban expansion on secondary organic aerosol formation over Pearl River Delta. 2009 , 7, 384-391	50
1294	Sources and reactivity of NMHCs and VOCs in the atmosphere: a review. 2009 , 166, 17-26	166
1293	Rate constants for the gas-phase reactions of NO3 radicals and O3 with C6-C14 1-alkenes and 2-methyl-1-alkenes at 296 +/- 2 K. 2009 , 113, 5649-56	18

1292	Organic aerosols in the Earth's atmosphere. 2009 , 43, 7614-8	322
1291	Proton-transfer reaction mass spectrometry. 2009 , 109, 861-96	509
1290	Aerosol mass spectrometric features of biogenic SOA: observations from a plant chamber and in rural atmospheric environments. 2009 , 43, 8166-72	64
1289	Yields of beta-hydroxynitrates and dihydroxynitrates in aerosol formed from OH radical-initiated reactions of linear alkenes in the presence of NO(x). 2009 , 113, 599-606	63
1288	Determination of the aerosol yield of isoprene in the presence of an organic seed with carbon isotope analysis. 2009 , 43, 6697-702	26
1287	U.S. ozone air quality under changing climate and anthropogenic emissions. 2009 , 43, 571-7	33
1286	Mass spectra deconvolution of low, medium, and high volatility biogenic secondary organic aerosol. 2009 , 43, 4884-9	67
1285	Volatile organic compounds from Italian vegetation and their interaction with ozone. 2009 , 157, 1478-86	90
1284	BVOC emissions, photosynthetic characteristics and changes in chloroplast ultrastructure of Platanus orientalis L. exposed to elevated CO2 and high temperature. 2009 , 157, 2629-37	31
1283	Atmospheric methane, southern European vegetation and low-mid latitude links on orbital and millennial timescales. 2009 , 277, 307-317	79
1282	Compost may affect volatile and semi-volatile plant emissions through nitrogen supply and chlorophyll fluorescence. 2009 , 77, 94-104	20
1281	Monoterpene emission of a boreal Scots pine (Pinus sylvestris L.) forest. 2009 , 149, 808-819	51
1280	Modeling of the impacts of China's anthropogenic pollutants on the surface ozone summer maximum on the northern Tibetan Plateau. 2009 , 36,	19
1279	Intra-annual cycles of NMVOC in the tropical marine boundary layer and their use for interpreting seasonal variability in CO. <i>Journal of Geophysical Research</i> , 2009 , 114,	27
1278	Seasonality of monoterpene emission potentials in Quercus ilex and Pinus pinea: Implications for regional VOC emissions modeling. <i>Journal of Geophysical Research</i> , 2009 , 114,	36
1277	Valence shell electronic spectroscopy of isoprene studied by theoretical calculations and by electron scattering, photoelectron, and absolute photoabsorption measurements. 2009 , 11, 11219-31	22
1276	Rate constants for the gas-phase reactions of OH radicals with a series of C6-C14 alkenes at 299 +/-2 K. 2009 , 113, 852-7	23
1275	Photooxidation of 2-methyl-3-Buten-2-ol (MBO) as a potential source of secondary organic aerosol. 2009 , 43, 4647-52	45

1274	Theoretical study of the gas-phase ozonolysis of beta-pinene (C10H16). 2009 , 11, 5643-56	76
1273	HOx radical regeneration in the oxidation of isoprene. 2009 , 11, 5935-9	384
1272	Terpenoid emissions from Quercus robur. A case study of Galicia (NW Spain). 2009 , 11, 1268-75	9
1271	Formation of organic acids from the gas-phase ozonolysis of terpinolene. 2009 , 11, 4198-209	15
1270	The gas-phase ozonolysis of beta-caryophyllene (C(15)H(24)). Part I: an experimental study. 2009 , 11, 4152-72	111
1269	Temperature dependence of the rate coefficient for the alpha-pinene reaction with ozone in the range between 243 K and 303 K. 2009 , 11, 2323-8	4
1268	North American influence on tropospheric ozone and the effects of recent emission reductions: Constraints from ICARTT observations. <i>Journal of Geophysical Research</i> , 2009 , 114,	53
1267	Characteristics and sources of non-methane hydrocarbons in background atmospheres of eastern, southwestern, and southern China. <i>Journal of Geophysical Research</i> , 2009 , 114,	41
1266	Coupled IMPACT aerosol and NCAR CAM3 model: Evaluation of predicted aerosol number and size distribution. <i>Journal of Geophysical Research</i> , 2009 , 114,	55
1265	Influence of anthropogenic sulfate and black carbon on upper tropospheric clouds in the NCAR CAM3 model coupled to the IMPACT global aerosol model. <i>Journal of Geophysical Research</i> , 2009 , 114,	68
1264	Effect of changes in climate and emissions on future sulfate-nitrate-ammonium aerosol levels in the United States. <i>Journal of Geophysical Research</i> , 2009 , 114,	259
1263	Temporal and spatial variations of carbon monoxide over the western part of the Pacific Ocean. Journal of Geophysical Research, 2009, 114,	29
1262	Spatial and temporal variations of aerosols around Beijing in summer 2006: Model evaluation and source apportionment. <i>Journal of Geophysical Research</i> , 2009 , 114,	77
1261	Impacts of climate change from 2000 to 2050 on wildfire activity and carbonaceous aerosol concentrations in the western United States. <i>Journal of Geophysical Research</i> , 2009 , 114,	286
1260	Region of influence of 13 remote European measurement sites based on modeled carbon monoxide mixing ratios. <i>Journal of Geophysical Research</i> , 2009 , 114,	9
1259	Global chemical transport model study of ozone response to changes in chemical kinetics and biogenic volatile organic compounds emissions due to increasing temperatures: Sensitivities to isoprene nitrate chemistry and grid resolution. <i>Journal of Geophysical Research</i> , 2009 , 114,	66
1258	Influence of future anthropogenic emissions on climate, natural emissions, and air quality. <i>Journal of Geophysical Research</i> , 2009 , 114,	91
1257	Analysis of regional meteorology and surface ozone during the TexAQS II field program and an evaluation of the NMM-CMAQ and WRF-Chem air quality models. <i>Journal of Geophysical Research</i> , 2009 , 114,	24

1256	An evaluation of real-time air quality forecasts and their urban emissions over eastern Texas during the summer of 2006 Second Texas Air Quality Study field study. <i>Journal of Geophysical Research</i> , 2009 , 114,	59
1255	Monoterpene emissions and photoinhibition of âllving fossilâltrees grown under CO2 enrichment in a simulated Cretaceous polar environment. <i>Journal of Geophysical Research</i> , 2009 , 114,	10
1254	Biomass Burning in Amazonia: Emissions, Long-Range Transport of Smoke and Its Regional and Remote Impacts. 2009 , 183-206	21
1253	Chapter 8 Air and Aerosols. 2009, 167-188	
1252	Modeling the Regional and Remote Climatic Impact of Deforestation. 2009 , 233-250	15
1251	Organic nitrate and secondary organic aerosol yield from NO₃ oxidation of pinene evaluated using a gas-phase kinetics/aerosol partitioning model. 2009 , 9, 1431-1449	218
1250	Temperature dependence of yields of secondary organic aerosols from the ozonolysis of <i>∃</i>-pinene and limonene. 2009 , 9, 1551-1577	148
1249	The CO₂ inhibition of terrestrial isoprene emission significantly affects future ozone projections. 2009 , 9, 2793-2803	96
1248	The formation of secondary organic aerosol from the isoprene + OH reaction in the absence of NO_x. 2009 , 9, 6541-6558	95
1247	Isoprene oxidation by nitrate radical: alkyl nitrate and secondary organic aerosol yields. 2009 , 9, 6685-6703	168
1246	Modeling organic aerosols during MILAGRO: importance of biogenic secondary organic aerosols. 2009 , 9, 6949-6981	109
1245	A new parametrization for ambient particle formation over coniferous forests and its potential implications for the future. 2009 , 9, 8079-8090	19
1244	Impact of nucleation on global CCN. 2009 , 9, 8601-8616	568
1243	Evaluating the performance of pyrogenic and biogenic emission inventories against one decade of space-based formaldehyde columns. 2009 , 9, 1037-1060	167
1242	SCIAMACHY formaldehyde observations: constraint for isoprene emission estimates over Europe?. 2009 , 9, 1647-1664	64
1241	Mainz Isoprene Mechanism 2 (MIM2): an isoprene oxidation mechanism for regional and global atmospheric modelling. 2009 , 9, 2751-2777	104
1240	Process-based modelling of biogenic monoterpene emissions combining production and release from storage. 2009 , 9, 3409-3423	95
1239	Process based inventory of isoprenoid emissions from European forests: model comparisons, current knowledge and uncertainties. 2009 , 9, 4053-4076	73

(2009-2009)

1238	Flux estimates of isoprene, methanol and acetone from airborne PTR-MS measurements over the tropical rainforest during the GABRIEL 2005 campaign. 2009 , 9, 4207-4227	56
1237	A product study of the isoprene+NO₃ reaction. 2009 , 9, 4945-4956	74
1236	The formation, properties and impact of secondary organic aerosol: current and emerging issues. 2009 , 9, 5155-5236	2861
1235	An overview of two years of ozone radio soundings over Cotonou as part of AMMA. 2009 , 9, 6157-6174	39
1234	New particle formation from the oxidation of direct emissions of pine seedlings. 2009 , 9, 8121-8137	59
1233	The effects of global changes upon regional ozone pollution in the United States. 2009 , 9, 1125-1141	48
1232	Airborne observations of total RONO₂: new constraints on the yield and lifetime of isoprene nitrates. 2009 , 9, 1451-1463	80
1231	Sensitivity of aerosol concentrations and cloud properties to nucleation and secondary organic distribution in ECHAM5-HAM global circulation model. 2009 , 9, 1747-1766	124
1230	A simulation of the global distribution and radiative forcing of soil dust aerosols at the Last Glacial Maximum. 2009 , 9, 3061-3073	190
1229	Reactive oxidation products promote secondary organic aerosol formation from green leaf volatiles. 2009 , 9, 3815-3823	47
1228	Effects of regional-scale and convective transports on tropospheric ozone chemistry revealed by aircraft observations during the wet season of the AMMA campaign. 2009 , 9, 383-411	37
1227	Secondary organic aerosol from biogenic VOCs over West Africa during AMMA. 2009 , 9, 3841-3850	74
1226	Photodegradation of secondary organic aerosol generated from limonene oxidation by ozone studied with chemical ionization mass spectrometry. 2009 , 9, 3851-3865	40
1225	Quantifying atmospheric nitrate formation pathways based on a global model of the oxygen isotopic composition (¹⁷O) of atmospheric nitrate. 2009 , 9, 5043-5056	181
1224	Interannual variability in hindcasts of atmospheric chemistry: the role of meteorology. 2009 , 9, 5261-5280	23
1223	Day-time concentrations of biogenic volatile organic compounds in a boreal forest canopy and their relation to environmental and biological factors. 2009 , 9, 5447-5459	62
1222	The influence of biogenic emissions from Africa on tropical tropospheric ozone during 2006: a global modeling study. 2009 , 9, 5729-5749	43
1221	Factors controlling the distribution of ozone in the West African lower troposphere during the AMMA (African Monsoon Multidisciplinary Analysis) wet season campaign. 2009 , 9, 6135-6155	33

1220	Influence of meteorological variability on interannual variations of springtime boundary layer ozone over Japan during 1981â¤005. 2009 , 9, 6287-6304	53
1219	What can we learn about ship emission inventories from measurements of air pollutants over the Mediterranean Sea?. 2009 , 9, 6815-6831	49
1218	Formation of secondary organic aerosol from isoprene oxidation over Europe. 2009 , 9, 7003-7030	19
1217	Relating CCN activity, volatility, and droplet growth kinetics of 毗aryophyllene secondary organic aerosol. 2009 , 9, 795-812	148
1216	The continental source of glyoxal estimated by the synergistic use of spaceborne measurements and inverse modelling. 2009 , 9, 8431-8446	122
1215	Possible influence of anthropogenic aerosols on cirrus clouds and anthropogenic forcing. 2009 , 9, 879-896	88
1214	Isoprene emission from phytoplankton monocultures: the relationship with chlorophyll-a, cell volume and carbon content. 2010 , 7, 554	51
1213	Water-soluble SOA from Alkene ozonolysis: composition and droplet activation kinetics inferences from analysis of CCN activity. 2010 , 10, 1585-1597	78
1212	Emissions and ambient distributions of Biogenic Volatile Organic Compounds (BVOC) in a ponderosa pine ecosystem: interpretation of PTR-MS mass spectra. 2010 , 10, 1759-1771	117
1211	Hydroxyl radicals in the tropical troposphere over the Suriname rainforest: airborne measurements. 2010 , 10, 3759-3773	107
121 0	The chemical and microphysical properties of secondary organic aerosols from Holm Oak emissions. 2010 , 10, 7253-7265	52
1209	Isoprene emissions modelling for West Africa: MEGAN model evaluation and sensitivity analysis. 2010 , 10, 8453-8467	20
1208	Observations of OH and HO₂ radicals over West Africa. 2010 , 10, 8783-8801	53
1207	New trajectory-driven aerosol and chemical process model Chemical and Aerosol Lagrangian Model (CALM). 2010 , 10, 10161-10185	12
1206	NO_x and O₃ above a tropical rainforest: an analysis with a global and box model. 2010 , 10, 10607-10620	26
1205	Global modeling of organic aerosol: the importance of reactive nitrogen (NO_x and NO₃). 2010 , 10, 11261-11276	178
1204	An overview of the Amazonian Aerosol Characterization Experiment 2008 (AMAZE-08). 2010 , 10, 11415-1143	8 143
1203	Volatile organic compound emissions from <i>Larrea tridentata</i> (creosotebush). 2010 , 10, 12191-12206	66

1202	Chirality and the origin of atmospheric humic-like substances. 2010 , 10, 1315-1327	64
1201	BVOC ecosystem flux measurements at a high latitude wetland site. 2010 , 10, 1617-1634	49
1200	Overview: oxidant and particle photochemical processes above a south-east Asian tropical rainforest (the OP3 project): introduction, rationale, location characteristics and tools. 2010 , 10, 169-199	120
1199	A review of natural aerosol interactions and feedbacks within the Earth system. 2010 , 10, 1701-1737	409
1198	Simulating atmospheric composition over a South-East Asian tropical rainforest: performance of a chemistry box model. 2010 , 10, 279-298	118
1197	Large estragole fluxes from oil palms in Borneo. 2010 , 10, 4343-4358	52
1196	A global perspective on aerosol from low-volatility organic compounds. 2010 , 10, 4377-4401	209
1195	Multi-year (2004â�2008) record of nonmethane hydrocarbons and halocarbons in New England: seasonal variations and regional sources. 2010 , 10, 4909-4929	72
1194	Biogenic oxidized organic functional groups in aerosol particles from a mountain forest site and their similarities to laboratory chamber products. 2010 , 10, 5075-5088	48
1193	Optimal estimation of the surface fluxes of methyl chloride using a 3-D global chemical transport model. 2010 , 10, 5515-5533	45
1192	Turbulent exchange and segregation of HO_x radicals and volatile organic compounds above a deciduous forest. 2010 , 10, 6215-6235	37
1191	Effects of boundary layer particle formation on cloud droplet number and changes in cloud albedo from 1850 to 2000. 2010 , 10, 695-705	56
1190	Impacts of mechanistic changes on HO_x formation and recycling in the oxidation of isoprene. 2010 , 10, 8097-8118	125
1189	What caused extreme ozone concentrations over Cotonou in December 2005?. 2010 , 10, 895-907	16
1188	Hydroxyl radicals in the tropical troposphere over the Suriname rainforest: comparison of measurements with the box model MECCA. 2010 , 10, 9705-9728	90
1187	Estimating European volatile organic compound emissions using satellite observations of formaldehyde from the Ozone Monitoring Instrument. 2010 , 10, 11501-11517	77
1186	Sensitivity of isoprene emissions estimated using MEGAN to the time resolution of input climate data. 2010 , 10, 1193-1201	48
1185	Analysis of CO in the tropical troposphere using Aura satellite data and the GEOS-Chem model: insights into transport characteristics of the GEOS meteorological products. 2010 , 10, 12207-12232	55

1184	Measurements of OH and HO₂ yields from the gas phase ozonolysis of isoprene. 2010 , 10, 1441-1459	67
1183	Impact of open crop residual burning on air quality over Central Eastern China during the Mount Tai Experiment 2006 (MTX2006). 2010 , 10, 7353-7368	60
1182	Chemical and aerosol characterisation of the troposphere over West Africa during the monsoon period as part of AMMA. 2010 , 10, 7575-7601	80
1181	Impact of Manaus City on the Amazon Green Ocean atmosphere: ozone production, precursor sensitivity and aerosol load. 2010 , 10, 9251-9282	83
1180	FA-SIFT study of reactions of protonated water and ethanol clusters with ⊞-pinene and linalool in view of their selective detection by CIMS. 2010 , 290, 106-112	9
1179	Observed and simulated global distribution and budget of atmospheric C₂-C₅ alkanes. 2010 , 10, 4403-4422	85
1178	Theoretical investigation on mechanism for OH-initiated oxidation of CH2=C(CH3)CH2OH. 2010 , 125, 45-55	8
1177	Uptake and reaction kinetics of ⊞-pinene and ⊕inene with sulfuric acid solutions. 2010 , 491, 146-150	10
1176	Laboratory studies in support of the detection of biogenic unsaturated alcohols by proton transfer reaction-mass spectrometry. 2010 , 290, 14-21	11
1175	Ab initio investigation of O3 addition to double bonds of limonene. 2010 , 368, 108-112	21
1174	Theoretical study on mechanism for O3-initiated atmospheric oxidation reaction of the transphyllene. 2010 , 947, 68-75	16
1173	Non-Methane Biogenic Volatile Organic Compound Emissions from a Subarctic Peatland Under Enhanced UV-B Radiation. 2010 , 13, 860-873	16
1172	Emissions of non-methane hydrocarbons from cars in China. 2010 , 53, 263-272	11
1171	Seasonal characteristics of tropical marine boundary layer air measured at the Cape Verde Atmospheric Observatory. 2010 , 67, 87-140	81
1170	A Modeling Study of the Impact of a Power Plant on Ground-Level Ozone in Relation to its Location: Southwestern Spain as a Case Study. 2010 , 209, 61-79	6
1169	Genetic structure and regulation of isoprene synthase in Poplar (Populus spp.). 2010 , 73, 547-58	38
1168	RNAi-mediated suppression of isoprene emission in poplar transiently impacts phenolic metabolism under high temperature and high light intensities: a transcriptomic and metabolomic analysis. 2010 , 74, 61-75	57
1167	Effects of fosmidomycin on plant photosynthesis as measured by gas exchange and chlorophyll fluorescence. 2010 , 104, 49-59	25

1166	A bibliometric analysis of world volatile organic compounds research trends. 2010 , 83, 477-492	109
1165	Sites of synthesis, biochemistry and functional role of plant volatiles. 2010 , 76, 612-631	190
1164	Emissions of biogenic VOC from forest ecosystems in central Europe: estimation and comparison with anthropogenic emission inventory. 2010 , 158, 462-9	32
1163	Modeling the influence of biogenic volatile organic compound emissions on ozone concentration during summer season in the Kinki region of Japan. 2010 , 44, 421-431	24
1162	Hydroxyl radical (OH) yields from the ozonolysis of both double bonds for five monoterpenes. 2010 , 44, 3458-3464	22
1161	History effect of light and temperature on monoterpenoid emissions from Fagus sylvatica L 2010 , 44, 3261-3268	18
1160	Variable emissions of microbial volatile organic compounds (MVOCs) from root-associated fungi isolated from Scots pine. 2010 , 44, 3651-3659	75
1159	Stable carbon kinetic isotope effects for the production of methacrolein and methyl vinyl ketone from the gas-phase reactions of isoprene with ozone and hydroxyl radicals. 2010 , 44, 4135-4141	21
1158	Sensitivity of biogenic secondary organic aerosols to future climate change at regional scales: An online coupled simulation. 2010 , 44, 4891-4907	24
1157	Investigation of the source composition and temporal distribution of volatile organic compounds (VOCs) in a suburban area of the northwest of Spain using chemometric methods. 2010 , 44, 5122-5132	19
1156	Special Issue 40th ISEO: toxicological challenges for essential oils in REACH. 2010 , 25, 138-144	6
1155	Diversity of volatile organic compound emissions from flowering and vegetative branches of Yeheb, Cordeauxia edulis (Caesalpiniaceae), a threatened evergreen desert shrub. 2010 , 25, 83-92	17
1154	HOx regeneration in the oxidation of isoprene III: theoretical study of the key isomerisation of the Z-Ehydroxy-peroxy isoprene radicals. 2010 , 11, 3996-4001	34
1153	Prediction of rate constants for gas-phase reactions of nitrate radical with organic compounds: a new structure-activity relationship. 2010 , 11, 3909-20	45
1152	Reactions of Biogenic Volatile Organic Compounds in the Atmosphere. 2010 , 363-388	O
1151	Photochemical model evaluation of the surface ozone impact of a power plant in a heavily industrialized area of southwestern Spain. 2010 , 91, 662-76	13
1150	Analysis of ambient ozone and precursor monitoring data in a densely populated residential area of Kuwait. 2010 , 14, 363-372	10
1149	High-resolution measurement of multiple volatile organic compounds dissolved in seawater using equilibrator inletaproton transfer reaction-mass spectrometry (EIaPTR-MS). 2010 , 122, 59-73	59

1148	Collision induced dissociation in a flowing afterglow-tandem mass spectrometer for the selective detection of C5 unsaturated alcohols and isoprene. 2010 , 289, 30-38	6
1147	Theoretical study on the mechanism for the reaction of OH with CH2CHCH2CH2OH. 2010 , 367, 52-61	6
1146	Ozone in Central England: the impact of 20 years of precursor emission controls in Europe. 2010 , 13, 195-204	48
1145	Mechanism of atmospheric ozonolysis of sabinene: A DFT study. 2010 , 942, 32-37	14
1144	Dissociative photoionization of l-menthone: An experimental and theoretical study. 2010 , 182, 134-140	7
1143	Doubled volatile organic compound emissions from subarctic tundra under simulated climate warming. 2010 , 187, 199-208	51
1142	An amorphous solid state of biogenic secondary organic aerosol particles. 2010 , 467, 824-7	600
1141	Studying of biogenic volatile organic compounds in the atmosphere over Russia. 2010 , 46, 319-327	8
1140	Chemical composition of volatile and extractive compounds of pine and spruce leaf litter in the initial stages of decomposition. 2010 , 7, 2785-2794	40
1139	Process-based simulation of seasonality and drought stress in monoterpene emission models. 2010 , 7, 257-274	27
1138	From biota to chemistry and climate: towards a comprehensive description of trace gas exchange between the biosphere and atmosphere. 2010 , 7, 121-149	74
1137	The leaf-level emission factor of volatile isoprenoids: caveats, model algorithms, response shapes and scaling. 2010 , 7, 1809-1832	117
1136	The emission factor of volatile isoprenoids: stress, acclimation, and developmental responses. 2010 , 7, 2203-2223	135
1135	BVOC fluxes above mountain grassland. 2010 , 7,	36
1134	Production and Emissions of Marine Isoprene and Monoterpenes: A Review. 2010 , 2010, 1-24	116
1133	Description and evaluation of GLOMAP-mode: a modal global aerosol microphysics model for the UKCA composition-climate model. 2010 , 3, 519-551	320
1132	Explaining global surface aerosol number concentrations in terms of primary emissions and particle formation. 2010 , 10, 4775-4793	167
1131	Biomass and Net Primary Production of Central Amazonian Floodplain Forests. 2010 , 347-388	90

1130	Biogenic Volatile Organic Compounds Emit from Ginkgo (Ginkgo biloba linn). 2010 , 113-116, 81-86	2
1129	The Influence of Aromatic Plants on Microbial Biomass and Respiration in a Natural Ecosystem. 2010 , 56, 181-196	8
1128	The global chemistry transport model TM5: description and evaluation of the tropospheric chemistry version 3.0. 2010 ,	3
1127	A new aerosol collector for quasi on-line analysis of particulate organic matter: the Aerosol Collection Module (ACM) and first applications with a GC/MS-FID. 2010 , 3, 1423-1436	14
1126	Lag time determination in DEC measurements with PTR-MS. 2010 , 3, 853-862	37
1125	Quantitative and enantioselective analysis of monoterpenes from plant chambers and in ambient air using SPME. 2010 , 3, 1615-1627	20
1124	The global chemistry transport model TM5: description and evaluation of the tropospheric chemistry version 3.0. 2010 , 3, 445-473	199
1123	Yields of beta-hydroxynitrates, dihydroxynitrates, and trihydroxynitrates formed from OH radical-initiated reactions of 2-methyl-1-alkenes. 2010 , 107, 6664-9	46
1122	Mechanism and branching ratios of hydroxy ethers + (*)OH gas phase reactions: relevance of h bond interactions. 2010 , 114, 7525-36	15
1121	Modelling surface ozone during the 2003 heat-wave in the UK. 2010 , 10, 7963-7978	123
1121	Modelling surface ozone during the 2003 heat-wave in the UK. 2010 , 10, 7963-7978 Impacts of Asian summer monsoon on seasonal and interannual variations of aerosols over eastern China. <i>Journal of Geophysical Research</i> , 2010 , 115,	123 74
	Impacts of Asian summer monsoon on seasonal and interannual variations of aerosols over eastern	
1120	Impacts of Asian summer monsoon on seasonal and interannual variations of aerosols over eastern China. <i>Journal of Geophysical Research</i> , 2010 , 115, Volatile organic compounds in snow in the Quebec-Windsor Corridor. <i>Journal of Geophysical</i>	74
1120 1119	Impacts of Asian summer monsoon on seasonal and interannual variations of aerosols over eastern China. <i>Journal of Geophysical Research</i> , 2010 , 115, Volatile organic compounds in snow in the Quebec-Windsor Corridor. <i>Journal of Geophysical Research</i> , 2010 , 115, Biogenic emission measurement and inventories determination of biogenic emissions in the eastern United States and Texas and comparison with biogenic emission inventories. <i>Journal of</i>	74
1120 1119 1118	Impacts of Asian summer monsoon on seasonal and interannual variations of aerosols over eastern China. Journal of Geophysical Research, 2010, 115, Volatile organic compounds in snow in the Quebec-Windsor Corridor. Journal of Geophysical Research, 2010, 115, Biogenic emission measurement and inventories determination of biogenic emissions in the eastern United States and Texas and comparison with biogenic emission inventories. Journal of Geophysical Research, 2010, 115, Characterization of aerosol associated with enhanced small particle number concentrations in a	74 17 83
1120 1119 1118 1117	Impacts of Asian summer monsoon on seasonal and interannual variations of aerosols over eastern China. Journal of Geophysical Research, 2010, 115, Volatile organic compounds in snow in the Quebec-Windsor Corridor. Journal of Geophysical Research, 2010, 115, Biogenic emission measurement and inventories determination of biogenic emissions in the eastern United States and Texas and comparison with biogenic emission inventories. Journal of Geophysical Research, 2010, 115, Characterization of aerosol associated with enhanced small particle number concentrations in a suburban forested environment. Journal of Geophysical Research, 2010, 115, Seasonal versus episodic performance evaluation for an Eulerian photochemical air quality model.	74 17 83 7
1120 1119 1118 1117 1116	Impacts of Asian summer monsoon on seasonal and interannual variations of aerosols over eastern China. Journal of Geophysical Research, 2010, 115, Volatile organic compounds in snow in the Quebec-Windsor Corridor. Journal of Geophysical Research, 2010, 115, Biogenic emission measurement and inventories determination of biogenic emissions in the eastern United States and Texas and comparison with biogenic emission inventories. Journal of Geophysical Research, 2010, 115, Characterization of aerosol associated with enhanced small particle number concentrations in a suburban forested environment. Journal of Geophysical Research, 2010, 115, Seasonal versus episodic performance evaluation for an Eulerian photochemical air quality model. Journal of Geophysical Research, 2010, 115, Impact of mesoscale vegetation heterogeneities on the dynamical and thermodynamic properties	74 17 83 7

1112	Short-term effects of controlling fossil-fuel soot, biofuel soot and gases, and methane on climate, Arctic ice, and air pollution health. <i>Journal of Geophysical Research</i> , 2010 , 115,	223
1111	Spatial and temporal variations of aerosols around Beijing in summer 2006: 2. Local and column aerosol optical properties. <i>Journal of Geophysical Research</i> , 2010 , 115,	16
1110	Impact of future land use and land cover changes on atmospheric chemistry-climate interactions. Journal of Geophysical Research, 2010 , 115,	90
1109	High within-canopy variation in isoprene emission potentials in temperate trees: Implications for predicting canopy-scale isoprene fluxes. <i>Journal of Geophysical Research</i> , 2010 , 115,	38
1108	Theory and validation of solid-phase microextraction and needle trap devices for aerosol sample. 2010 , 82, 9521-7	26
1107	Gas phase measurements of pyruvic acid and its volatile metabolites. 2010 , 44, 2454-60	49
1106	Observation of the ÎM Electronic Transition of the Hydroxyethylperoxy Radical. 2010 , 1, 1846-1852	16
1105	Isomer-selective study of the OH-initiated oxidation of isoprene in the presence of O(2) and NO: 2. the major OH addition channel. 2010 , 114, 2553-60	23
1104	Quantitative determination of biogenic volatile organic compounds in the atmosphere using proton-transfer reaction linear ion trap mass spectrometry. 2010 , 82, 7952-7	32
1103	Ion mobility distributions during the initial stages of new particle formation by the ozonolysis of ∃-pinene. 2010 , 44, 8917-23	6
1102	Structure of isoprene synthase illuminates the chemical mechanism of teragram atmospheric carbon emission. 2010 , 402, 363-73	87
1101	BVOCs and global change. 2010 , 15, 133-44	462
1100	Abiotic stresses and induced BVOCs. 2010 , 15, 154-66	657
1099	Ozone fluxes in a Pinus ponderosa ecosystem are dominated by non-stomatal processes: Evidence from long-term continuous measurements. 2010 , 150, 420-431	81
1098	The acid effect in the formation of 2-methyltetrols from the photooxidation of isoprene in the presence of NOx. 2010 , 98, 183-189	33
1097	Linalool dehydratase-isomerase, a bifunctional enzyme in the anaerobic degradation of monoterpenes. 2010 , 285, 30436-42	52
1096	Sources and properties of Amazonian aerosol particles. 2010 , 48,	237
1095	Sensitivity of isoprene emissions from the terrestrial biosphere to 20th century changes in atmospheric CO2 concentration, climate, and land use. 2010 , 24, n/a-n/a	70

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1094	Computational studies of the isomerization and hydration reactions of acetaldehyde oxide and methyl vinyl carbonyl oxide. 2010 , 114, 9192-204	106
1093	OH reactivity measurements within a boreal forest: evidence for unknown reactive emissions. 2010 , 44, 6614-20	112
1092	Isoprene, Isoprenoids and Sterols. 2010 , 127-131	3
1091	HO(x) radical regeneration in isoprene oxidation via peroxy radical isomerisations. II: experimental evidence and global impact. 2010 , 12, 14227-35	159
1090	Temperature-dependent ozonolysis kinetics of selected alkenes in the gas phase: an experimental and structure-activity relationship (SAR) study. 2010 , 12, 2935-43	24
1089	The impact of local surface changes in Borneo on atmospheric composition at wider spatial scales: coastal processes, land-use change and air quality. 2011 , 366, 3210-24	25
1088	On molecular chirality within naturally occurring secondary organic aerosol particles from the central Amazon Basin. 2011 , 13, 12114-22	15
1087	Photolytic processing of secondary organic aerosols dissolved in cloud droplets. 2011 , 13, 12199-212	95
1086	Development of a sampling method for the simultaneous monitoring of straight-chain alkanes, straight-chain saturated carbonyl compounds and monoterpenes in remote areas. 2011 , 13, 983-90	19
1085	Uncertainties influencing health-based prioritization of ozone abatement options. 2011, 45, 7761-7	9
1084	Effect of structure on the rate constants for reaction of NO3 radicals with a series of linear and branched C5-C7 1-alkenes at $296 - 2$ K. 2011 , 115, 1358-63	12
1083	Rate constants for the gas-phase reactions of OH and O3 with ® cimene, ® myrcene, and □- and □- and © arrnesene as a function of temperature. 2011 , 115, 500-6	28
1082	Ten years of CO emissions as seen from Measurements of Pollution in the Troposphere (MOPITT). Journal of Geophysical Research, 2011 , 116,	77
1081	EMTACS: Development and regional-scale simulation of a size, chemical, mixing type, and soot shape resolved atmospheric particle model. <i>Journal of Geophysical Research</i> , 2011 , 116,	27
1080	Deposition Fluxes of Terpenes over Grassland. <i>Journal of Geophysical Research</i> , 2011 , 116,	35
1079	Plant-specific volatile organic compound emission rates from young and mature leaves of Mediterranean vegetation. <i>Journal of Geophysical Research</i> , 2011 , 116,	45
1078	Microscopic fungi as significant sesquiterpene emission sources. <i>Journal of Geophysical Research</i> , 2011 , 116,	5
1077	Global patterns of land-atmosphere fluxes of carbon dioxide, latent heat, and sensible heat derived from eddy covariance, satellite, and meteorological observations. <i>Journal of Geophysical Research</i> ,	765

1076	Characteristics of the flux of isoprene and its oxidation products in an urban area. <i>Journal of Geophysical Research</i> , 2011 , 116,	40
1075	Can a âlltate of the artâlthemistry transport model simulate Amazonian tropospheric chemistry?. Journal of Geophysical Research, 2011, 116,	43
1074	Impact of new particle formation on the concentrations of aerosols and cloud condensation nuclei around Beijing. <i>Journal of Geophysical Research</i> , 2011 , 116,	50
1073	Temperature dependence of the kinetic isotope effect in thinene ozonolysis. <i>Journal of Geophysical Research</i> , 2011 , 116,	11
1072	Biotic, abiotic and management controls on methanol exchange above a temperate mountain grassland. <i>Journal of Geophysical Research</i> , 2011 , 116,	26
1071	Technical Note: In-situ derivatization thermal desorption GC-TOFMS for direct analysis of particle-bound non-polar and polar organic species. 2011 , 11, 8977-8993	78
1070	A dual channel gas chromatograph for atmospheric analysis of volatile organic compounds including oxygenated and monoterpene compounds. 2011 , 13, 2268-76	32
1069	Carbonyl oxides reactions from geraniol-trans-(3,7-dimethylocta-2,6-dien-1-ol), 6-methyl-5-hepten-2-one, and 6-hydroxy-4-methyl-4-hexenal ozonolysis: kinetics and mechanisms. 2011 , 115, 7709-21	5
1068	Plant volatiles: production, function and pharmacology. 2011 , 28, 1359-80	204
1067	Simulating idealized Dansgaard-Oeschger events and their potential impacts on the global methane cycle. 2011 , 30, 3258-3268	36
1066	Effects of molecular structure on the chemistry of aerosol formation from the OH-radical-initiated oxidation of alkanes and alkenes. 2011 , 30, 161-195	44
1065	Late Holocene methane rise caused by orbitally controlled increase in tropical sources. 2011 , 470, 82-5	120
1064	The HadGEM2-ES implementation of CMIP5 centennial simulations. 2011 , 4, 543-570	662
1063	Diel variations in the carbon isotope composition of respired CO₂ and associated carbon sources: a review of dynamics and mechanisms. 2011 , 8, 2437-2459	79
1062	Temporal variability of the NPP-GPP ratio at seasonal and interannual time scales in a temperate beech forest. 2011 , 8, 2481-2492	36
1061	Estimations of isoprenoid emission capacity from enclosure studies: measurements, data processing, quality and standardized measurement protocols. 2011 , 8, 2209-2246	123
1060	Yields of oxidized volatile organic compounds during the OH radical initiated oxidation of isoprene, methyl vinyl ketone, and methacrolein under high-NO_x conditions. 2011 , 11, 10779-10	798
1059	Aerosol mass spectrometer constraint on the global secondary organic aerosol budget. 2011 , 11, 12109-12136	5349

1058	Contrasting winter and summer VOC mixing ratios at a forest site in the Western Mediterranean Basin: the effect of local biogenic emissions. 2011 , 11, 13161-13179	67
1057	Measurements of volatile organic compounds at a suburban ground site (T1) in Mexico City during the MILAGRO 2006 campaign: measurement comparison, emission ratios, and source attribution. 2011 , 11, 2399-2421	92
1056	Evaluation of a photosynthesis-based biogenic isoprene emission scheme in JULES and simulation of isoprene emissions under present-day climate conditions. 2011 , 11, 4371-4389	91
1055	Understanding evolution of product composition and volatility distribution through in-situ GC GC analysis: a case study of longifolene ozonolysis. 2011 , 11, 5335-5346	32
1054	Isoprene suppression of new particle formation in a mixed deciduous forest. 2011 , 11, 6013-6027	64
1053	In situ measurements of isoprene and monoterpenes within a south-east Asian tropical rainforest. 2011 , 11, 6971-6984	31
1052	Contributions of primary and secondary biogenic VOC tototal OH reactivity during the CABINEX (Community Atmosphere-Biosphere INteractions Experiments)-09 field campaign. 2011 , 11, 8613-8623	69
1051	Origins and composition of fine atmospheric carbonaceous aerosol in the Sierra Nevada Mountains, California. 2011 , 11, 10219-10241	71
1050	Effect of isoprene emissions from major forests on ozone formation in the city of Shanghai, China. 2011 , 11, 10449-10459	73
1049	A study of uncertainties in the sulfate distribution and its radiative forcing associated with sulfur chemistry in a global aerosol model. 2011 , 11, 10889-10910	40
1048	Simulated effects of changes in direct and diffuse radiation on canopy scale isoprene emissions from vegetation following volcanic eruptions. 2011 , 11, 11723-11731	15
1047	Primary versus secondary contributions to particle number concentrations in the European boundary layer. 2011 , 11, 12007-12036	95
1046	The Chemistry of Atmosphere-Forest Exchange (CAFE) Model âlPart 2: Application to BEARPEX-2007 observations. 2011 , 11, 1269-1294	67
1045	Mass yields of secondary organic aerosols from the oxidation of ∃-pinene and real plant emissions. 2011 , 11, 1367-1378	58
1044	North American isoprene influence on intercontinental ozone pollution. 2011 , 11, 1697-1710	38
1043	Rate coefficients for the gas-phase reaction of OH with (<i>Z</i>)-3-hexen-1-ol, 1-penten-3-ol, (<i>E</i>)-2-penten-1-ol, and (<i>E</i>)-2-hexen-1-ol between 243 and 404 K. 2011 , 11, 3347-3358	17
1042	SOA from limonene: role of NO₃ in its generation and degradation. 2011 , 11, 3879-3894	101
1041	The influence of small-scale variations in isoprene concentrations on atmospheric chemistry over a tropical rainforest. 2011 , 11, 4121-4134	33

1040	Emissions of isoprenoids and oxygenated biogenic volatile organic compounds from a New England mixed forest. 2011 , 11, 4807-4831	45
1039	In-cloud oxalate formation in the global troposphere: a 3-D modeling study. 2011 , 11, 5761-5782	179
1038	Effect of relative humidity on SOA formation from isoprene/NO photooxidation: enhancement of 2-methylglyceric acid and its corresponding oligoesters under dry conditions. 2011 , 11, 6411-6424	168
1037	The impact of soil uptake on the global distribution of molecular hydrogen: chemical transport model simulation. 2011 , 11, 6701-6719	18
1036	Large methane releases lead to strong aerosol forcing and reduced cloudiness. 2011 , 11, 6961-6969	10
1035	The Chemistry of Atmosphere-Forest Exchange (CAFE) Model âlPart 1: Model description and characterization. 2011 , 11, 77-101	108
1034	Forest-atmosphere exchange of ozone: sensitivity to very reactive biogenic VOC emissions and implications for in-canopy photochemistry. 2011 , 11, 7875-7891	64
1033	Spatial distributions and seasonal cycles of aerosols in India and China seen in global climate-aerosol model. 2011 , 11, 7975-7990	39
1032	Estimating the direct and indirect effects of secondary organic aerosols using ECHAM5-HAM. 2011 , 11, 8635-8659	67
1031	Direct ecosystem fluxes of volatile organic compounds from oil palms in South-East Asia. 2011 , 11, 8995-9017	73
1031	Direct ecosystem fluxes of volatile organic compounds from oil palms in South-East Asia. 2011 , 11, 8995-9017 Re-analysis of tropospheric sulfate aerosol and ozone for the period 1980â\(\textit{2005}\) using the aerosol-chemistry-climate model ECHAM5-HAMMOZ. 2011 , 11, 9563-9594	73
	Re-analysis of tropospheric sulfate aerosol and ozone for the period 1980â\(\textit{\pi}\)005 using the	
1030	Re-analysis of tropospheric sulfate aerosol and ozone for the period 1980â\(\textit{D}\)005 using the aerosol-chemistry-climate model ECHAM5-HAMMOZ. 2011 , 11, 9563-9594 Changes in monoterpene mixing ratios during summer storms in rural New Hampshire (USA). 2011 ,	53
1030	Re-analysis of tropospheric sulfate aerosol and ozone for the period 1980â\(\textit{0}\)005 using the aerosol-chemistry-climate model ECHAM5-HAMMOZ. 2011 , 11, 9563-9594 Changes in monoterpene mixing ratios during summer storms in rural New Hampshire (USA). 2011 , 11, 11465-11476	53
1030	Re-analysis of tropospheric sulfate aerosol and ozone for the period 1980â\(\textit{\textit{0}}\)005 using the aerosol-chemistry-climate model ECHAM5-HAMMOZ. 2011 , 11, 9563-9594 Changes in monoterpene mixing ratios during summer storms in rural New Hampshire (USA). 2011 , 11, 11465-11476 First space-based derivation of the global atmospheric methanol emission fluxes. 2011 , 11, 4873-4898 Global terrestrial isoprene emission models: sensitivity to variability in climate and vegetation. 2011 , 11, 8037-8052	53 19 103
1030 1029 1028	Re-analysis of tropospheric sulfate aerosol and ozone for the period 1980â\(\textit{\textit{0}}\)005 using the aerosol-chemistry-climate model ECHAM5-HAMMOZ. 2011 , 11, 9563-9594 Changes in monoterpene mixing ratios during summer storms in rural New Hampshire (USA). 2011 , 11, 11465-11476 First space-based derivation of the global atmospheric methanol emission fluxes. 2011 , 11, 4873-4898 Global terrestrial isoprene emission models: sensitivity to variability in climate and vegetation. 2011 , 11, 8037-8052	53 19 103
1030 1029 1028 1027 1026	Re-analysis of tropospheric sulfate aerosol and ozone for the period 1980â\(\textit{D}005\) using the aerosol-chemistry-climate model ECHAM5-HAMMOZ. 2011 , 11, 9563-9594 Changes in monoterpene mixing ratios during summer storms in rural New Hampshire (USA). 2011 , 11, 11465-11476 First space-based derivation of the global atmospheric methanol emission fluxes. 2011 , 11, 4873-4898 Global terrestrial isoprene emission models: sensitivity to variability in climate and vegetation. 2011 , 11, 8037-8052 Global cloud condensation nuclei influenced by carbonaceous combustion aerosol. 2011 , 11, 9067-9087 Assessment of WRF/Chem to simulate subâ\(\textit{Arctic}\) boundary layer characteristics during low solar	53 19 103 143 164

1022	Diurnal variations of polar organic tracers in summer forest aerosols: A case study of a Quercus and Picea mixed forest in Hokkaido, Japan. 2011 , 45, 297-308	36
1021	Factors affecting monoterpene emission from Chamaecyparis obtusa. 2011 , 45, e15-e22	20
1020	Emissions of monoterpene from tropical Indian plant species and assessment of VOC emission from the forest of Haryana state. 2011 , 2, 72-79	16
1019	Hydroxyl radical yields from reactions of terpene mixtures with ozone. 2011 , 21, 400-9	33
1018	. 2011 , 63, 241-254	47
1017	The impact of anthropogenic and biogenic emissions on surface ozone concentrations in Istanbul. 2011 , 409, 1255-65	41
1016	An annual assessment of air quality with the CALIOPE modeling system over Spain. 2011 , 409, 2163-78	76
1015	Pollution characteristics of organic and elemental carbon in PM2.5 in Xiamen, China. 2011 , 23, 1342-9	57
1014	Overlooking the canopy: The importance of canopy structure in scaling isoprenoid emissions from the leaf to the landscape. 2011 , 222, 737-747	20
1013	Constraints of fossil fuels depletion on global warming projections. 2011 , 39, 5026-5034	109
1013	Constraints of fossil fuels depletion on global warming projections. 2011 , 39, 5026-5034 Few long-term effects of simulated climate change on volatile organic compound emissions and leaf chemistry of three subarctic dwarf shrubs. 2011 , 72, 377-386	109
	Few long-term effects of simulated climate change on volatile organic compound emissions and	
1012	Few long-term effects of simulated climate change on volatile organic compound emissions and leaf chemistry of three subarctic dwarf shrubs. 2011 , 72, 377-386 Direct and indirect impact of sewage sludge compost spreading on Quercus coccifera monoterpene	28
1012	Few long-term effects of simulated climate change on volatile organic compound emissions and leaf chemistry of three subarctic dwarf shrubs. 2011 , 72, 377-386 Direct and indirect impact of sewage sludge compost spreading on Quercus coccifera monoterpene emissions in a Mediterranean shrubland. 2011 , 159, 963-9	28
1012 1011 1010	Few long-term effects of simulated climate change on volatile organic compound emissions and leaf chemistry of three subarctic dwarf shrubs. 2011, 72, 377-386 Direct and indirect impact of sewage sludge compost spreading on Quercus coccifera monoterpene emissions in a Mediterranean shrubland. 2011, 159, 963-9 The tree BVOC index. 2011, 159, 2088-93 Adsorption sites, adsorption enthalpies and potential removal of terpenoids by atmospheric ice.	28 7 25
1012 1011 1010 1009	Few long-term effects of simulated climate change on volatile organic compound emissions and leaf chemistry of three subarctic dwarf shrubs. 2011, 72, 377-386 Direct and indirect impact of sewage sludge compost spreading on Quercus coccifera monoterpene emissions in a Mediterranean shrubland. 2011, 159, 963-9 The tree BVOC index. 2011, 159, 2088-93 Adsorption sites, adsorption enthalpies and potential removal of terpenoids by atmospheric ice. 2011, 45, 687-693	28 7 25 8
1012 1011 1010 1009	Few long-term effects of simulated climate change on volatile organic compound emissions and leaf chemistry of three subarctic dwarf shrubs. 2011, 72, 377-386 Direct and indirect impact of sewage sludge compost spreading on Quercus coccifera monoterpene emissions in a Mediterranean shrubland. 2011, 159, 963-9 The tree BVOC index. 2011, 159, 2088-93 Adsorption sites, adsorption enthalpies and potential removal of terpenoids by atmospheric ice. 2011, 45, 687-693 Key unknowns in estimating atmospheric emissions from UK land management. 2011, 45, 1067-1074	28 7 25 8

1004	Estimation of ambient BVOC emissions using remote sensing techniques. 2011 , 45, 2937-2943	7
1003	Volatility of secondary organic aerosol from the ozonolysis of monoterpenes. 2011 , 45, 2443-2452	53
1002	Scaling-up leaf monoterpene emissions from a water limited Quercus ilex woodland. 2011 , 45, 2888-2897	19
1001	Volatile organic compound emissions from switchgrass cultivars used as biofuel crops. 2011 , 45, 3333-3337	23
1000	A new gas-phase condensed mechanism of isoprene-NOx photooxidation. 2011 , 45, 4507-4521	13
999	Constitutive versus heat and biotic stress induced BVOC emissions in Pseudotsuga menziesii. 2011 , 45, 3655-3662	30
998	Formation of p-cymene from OH´+ Therpinene: H-atom abstraction from the cyclohexadiene ring structure. 2011 , 45, 4408-4411	13
997	Organosulfates and oxidation products from biogenic hydrocarbons in fine aerosols from a forest in North West Europe during spring. 2011 , 45, 4546-4556	119
996	Biogenic emissions from Citrus species in California. 2011 , 45, 4557-4568	45
995	Impact of continuously varied SST on land-sea breezes and ozone concentration over south-western coast of Korea. 2011 , 45, 6439-6450	7
994	Annual sulfur deposition through fog, wet and dry deposition in the Kinki Region of Japan. 2011 , 45, 6299-6308	17
993	How bias-correction can improve air quality forecasts over Portugal. 2011 , 45, 6629-6641	44
992	Multistep derivatization method for the determination of multifunctional oxidation products from the reaction of \oplus -pinene with ozone. 2011 , 1218, 7264-74	12
991	The gas-phase ozonolysis of ⊞-humulene. 2011 , 13, 10970-1001	45
990	Glass transition and phase state of organic compounds: dependency on molecular properties and implications for secondary organic aerosols in the atmosphere. 2011 , 13, 19238-55	465
989	Winter and summer characterization of biogenic enantiomeric monoterpenes and anthropogenic BTEX compounds at a Mediterranean Stone Pine forest site. 2011 , 68, 233-250	20
988	BVOC emissions from mechanical wounding of leaves and branches of Eucalyptus sideroxylon (red ironbark). 2011 , 68, 265-279	9
987	Non-methane biogenic volatile organic compound emissions from boreal peatland microcosms under warming and water table drawdown. 2011 , 106, 503-516	14

(2011-2011)

986	Floral scent variation in two Antirrhinum majus subspecies influences the choice of na $^{}$ \mathbb{Q} e bumblebees. 2011 , 65, 1015-1027	41
985	Temperature-dependent kinetics for the ozonolysis of selected chlorinated alkenes in the gas phase. 2011 , 43, 120-129	9
984	Mass spectrometric characterization of isomeric terpenoic acids from the oxidation of ⊞-pinene, ⊕inene, d-limonene, and B-carene in fine forest aerosol. 2011 , 46, 425-42	67
983	Photoionization and dissociation of the monoterpene limonene: mass spectrometric and computational investigation. 2011 , 46, 1152-9	10
982	Coupled atmospheric and land surface dynamics over southeast Australia: a review, analysis and identification of future research priorities. 2011 , 31, 1758-1772	21
981	Persistency assessment and aerobic biodegradation of selected cyclic sesquiterpenes present in essential oils. 2011 , 30, 1096-108	19
980	Daytime reactions of 1,8-cineole in the troposphere. 2011 , 12, 2145-54	8
979	Theoretical study on the mechanism for the reaction of OH with CH2CHCH(OH)CH3. 2011 , 965, 68-83	3
978	Kinetic studies of Cl reactions with 3-buten-1-ol and 2-buten-1-ol over the temperature range 298âB63 K. 2011 , 502, 154-158	7
977	Kinetic study of the thermal rearrangement of cis- and trans-2-pinanol. 2011 , 90, 187-196	9
976	Quantification of VOC emission rates from the biosphere. 2011 , 30, 937-944	12
975	Effects of Urban Vegetation on Urban Air Quality. 2011 , 36, 173-188	53
974	Accelerated solid-phase dynamic extraction for the analysis of biogenic volatile organic compounds in air. 2011 , 91, 1206-1217	5
973	Emissions of Isoprenoid from Major Planting Tree Species in Shenyang. 2011 , 183-185, 1041-1045	6
972	The atmospheric chemistry of trace gases and particulate matter emitted by different land uses in Borneo. 2011 , 366, 3177-95	32
971	Spatiotemporal Inventory of Biogenic Volatile Organic Compound Emissions in China Based on Vegetation Volume and Production. 2011 , 356-360, 2579-2582	3
970	Seasonal Variations of BVOCs Emission from Ginkgo biloba Linn in Urban Area. 2011 , 71-78, 2891-2894	2
969	An aerosol dynamics model for simulating particle formation and growth in a mixed flow chamber. 2011 ,	1

The application of the Modified Band Approach for the calculation of on-line photodissociation rate constants in TM5: implications for oxidative capacity. **2011**,

967	Numerical study of tracers transport by a mesoscale convective system over West Africa. 2011 , 29, 731-747	5
966	Identifying organic aerosol sources by comparing functional group composition in chamber and atmospheric particles. 2011 , 108, 3516-21	169
965	Ground-level ozone influenced by circadian control of isoprene emissions. 2011 , 4, 671-674	49
964	The Production of Trace Gases in the Estuarine and Coastal Environment. 2011 , 271-309	3
963	Analytical system for stable carbon isotope measurements of low molecular weight (C₂-C₆) hydrocarbons. 2011 , 4, 1161-1175	9
962	CAM-chem: description and evaluation of interactive atmospheric chemistry in CESM. 2011,	16
961	A Lagrangian model of air-mass photochemistry and mixing using a trajectory ensemble: the Cambridge Tropospheric Trajectory model of Chemistry And Transport (CiTTyCAT) version 4.2. 2011 ,	1
960	Effect of the OH Radical Scavenger Hydrogen Peroxide on Secondary Organic Aerosol Formation from ⊞-Pinene Ozonolysis. 2011 , 45, 696-700	21
959	Quantification of gas-phase glyoxal and methylglyoxal via the Laser-Induced Phosphorescence of (methyl)GLyOxal Spectrometry (LIPGLOS) method. 2011 ,	2
958	Volatilizable biogenic organic compounds (VBOCs) with two dimensional gas chromatography-time of flight mass spectrometry (GC ^ IGC-TOFMS): sampling methods, VBOC complexity, and chromatographic retention data. 2011 ,	4
957	Analytical system for carbon stable isotope measurements of light non-methane hydrocarbons. 2011 ,	1
956	Ground-level ozone concentration over Spain: an application of Kalman Filter post-processing to reduce model uncertainties. 2011 ,	4
955	The HadGEM2-ES implementation of CMIP5 centennial simulations. 2011 ,	23
954	Alternative pathway for atmospheric particles growth. 2012 , 109, 6840-4	78
953	Quantification of biogenic volatile organic compounds with a flame ionization detector using the effective carbon number concept. 2012 , 5, 1911-1923	37
952	Validation of six years of SCIAMACHY carbon monoxide observations using MOZAIC CO profile measurements. 2012 , 5, 2133-2142	9
951	Volatilizable Biogenic Organic Compounds (VBOCs) with two dimensional Gas Chromatography-Time of Flight Mass Spectrometry (GC ^ GC-TOFMS): sampling methods, VBOC complexity, and chromatographic retention data. 2012 , 5, 345-361	20

950	Quantification of biogenic volatile organic compounds with a flame ionization detector using the effective carbon number concept. 2012 ,	2
949	How realistic are air quality hindcasts driven by forcings from climate model simulations?. 2012 , 5, 1565-1587	13
948	The Model of Emissions of Gases and Aerosols from Nature version 2.1 (MEGAN2.1): an extended and updated framework for modeling biogenic emissions. 2012 ,	31
947	Implementation of the Fast-JX Photolysis scheme into the UKCA component of the MetUM chemistry climate model. 2012 ,	2
946	Optimum Synthesis of Myrtenal from \oplus -Pinene by Photosensitized Oxidation Using Orthogonal Design. 2012 , 161, 148-152	
945	Assessment of biogenic secondary organic aerosol in the Himalayas. 2012 , 9, 263	43
944	A disjunct eddy accumulation system for the measurement of BVOC fluxes: instrument characterizations and field deployment. 2012 , 5, 2115-2132	3
943	Sensitivity of radiative forcing to global carbonaceous emissions. 2012 , 64, 17157	4
942	Quantification of gas-phase glyoxal and methylglyoxal via the Laser-Induced Phosphorescence of (methyl)GLyOxal Spectrometry (LIPGLOS) Method. 2012 , 5, 181-192	13
941	Aging of secondary organic aerosol from alpha-pinene ozonolysis: roles of hydroxyl and nitrate radicals. 2012 , 62, 1359-69	14
940	The Model of Emissions of Gases and Aerosols from Nature version 2.1 (MEGAN2.1): an extended and updated framework for modeling biogenic emissions. 2012 , 5, 1471-1492	1751
939	The SURFEXv7.2 land and ocean surface platform for coupled or offline simulation of Earth surface variables and fluxes. 2012 ,	12
938	Development of parallel sampling and analysis for the elucidation of gas/particle partitioning of oxygenated semi-volatile organics: a limonene ozonolysis study. 2012 ,	
937	Development of a parallel sampling and analysis method for the elucidation of gas/particle partitioning of oxygenated semi-volatile organics: a limonene ozonolysis study. 2012 , 5, 1459-1489	21
936	Regulation of Isoprene and Monoterpene Emission. 2012 , 139-153	O
935	New insights into the tropospheric oxidation of isoprene: combining field measurements, laboratory studies, chemical modelling and quantum theory. 2014 , 339, 55-95	10
934	Volatility and aging of atmospheric organic aerosol. 2014 , 339, 97-143	56
933	Reply to 'Circadian control of global isoprene emissions'. 2012 , 5, 435-436	2

932	The contribution of organics to atmospheric nanoparticle growth. 2012 , 5, 453-458	282
931	Ozone and its potential control strategy for Chon Buri city, Thailand. 2012 , 62, 1411-22	9
930	Impact of heat stress on the emissions of monoterpenes, sesquiterpenes, phenolic BVOC and green leaf volatiles from several tree species. 2012 ,	
929	The application of the Modified Band Approach for the calculation of on-line photodissociation rate constants in TM5: implications for oxidative capacity. 2012 , 5, 15-35	30
928	A Lagrangian model of air-mass photochemistry and mixing using a trajectory ensemble: the Cambridge Tropospheric Trajectory model of Chemistry And Transport (CiTTyCAT) version 4.2. 2012 , 5, 193-221	20
927	CAM-chem: description and evaluation of interactive atmospheric chemistry in the Community Earth System Model. 2012 , 5, 369-411	519
926	Meteorological Impacts of Forest Mortality due to Insect Infestation in Colorado. 2012, 16, 1-11	15
925	Validation of six years of SCIAMACHY carbon monoxide observations using MOZAIC CO profile measurements. 2012 ,	
924	How realistic are air quality hindcasts driven by forcings from climate model simulations?. 2012,	
923	A disjunct eddy accumulation system for the measurement of BVOC fluxes: instrument characterizations and field deployment. 2012 ,	1
922	SOA formation from the atmospheric oxidation of 2-methyl-3-buten-2-ol and its implications for PM_{2.5}. 2012 , 12, 2173-2188	35
921	The atmospheric potential of biogenic volatile organic compounds from needles of white pine (<i>Pinus strobus</i>) in Northern Michigan. 2012 , 12, 2245-2252	5
9 2 0	Effect of chemical degradation on fluxes of reactive compounds âlà study with a stochastic Lagrangian transport model. 2012 , 12, 4843-4854	38
919	Development and chamber evaluation of the MCM v3.2 degradation scheme for taryophyllene. 2012 , 12, 5275-5308	78
918	DOAS measurements of formaldehyde and glyoxal above a south-east Asian tropical rainforest. 2012 , 12, 5949-5962	37
917	Evaluation of two isoprene emission models for use in a long-range air pollution model. 2012 , 12, 7399-7412	25
916	The EMEP MSC-W chemical transport model âltechnical description. 2012 , 12, 7825-7865	481
915	On the formation of sulphuric acid âlamine clusters in varying atmospheric conditions and its influence on atmospheric new particle formation. 2012 , 12, 9113-9133	95

(2012-2012)

914	How have both cultivation and warming influenced annual global isoprene and monoterpene emissions since the preindustrial era?. 2012 , 12, 9703-9718	13
913	Seasonal cycles of biogenic volatile organic compound fluxes and concentrations in a California citrus orchard. 2012 , 12, 9865-9880	45
912	Contributions of individual reactive biogenic volatile organic compounds to organic nitrates above a mixed forest. 2012 , 12, 10125-10143	22
911	Isoprene in poplar emissions: effects on new particle formation and OH concentrations. 2012 , 12, 1021-1030	41
910	A multi-model study of impacts of climate change on surface ozone in Europe. 2012 , 12, 10423-10440	95
909	Cyclobutyl methyl ketone as a model compound for pinonic acid to elucidate oxidation mechanisms. 2012 , 12, 10749-10758	9
908	Distributions and climate effects of atmospheric aerosols from the preindustrial era to 2100 along Representative Concentration Pathways (RCPs) simulated using the global aerosol model SPRINTARS. 2012 , 12, 11555-11572	42
907	Impact of the isoprene photochemical cascade on tropical ozone. 2012 , 12, 1307-1325	91
906	Impacts of changes in land use and land cover on atmospheric chemistry and air quality over the 21st century. 2012 , 12, 1597-1609	117
905	3-D evaluation of tropospheric ozone simulations by an ensemble of regional Chemistry Transport Model. 2012 , 12, 3219-3240	35
904	BVOCs emission in a semi-arid grassland under climate warming and nitrogen deposition. 2012 , 12, 3809-3819	9 4
903	Estimating aerosol emissions by assimilating observed aerosol optical depth in a global aerosol model. 2012 , 12, 4585-4606	75
902	Global modeling of SOA formation from dicarbonyls, epoxides, organic nitrates and peroxides. 2012 , 12, 4743-4774	87
901	Isoprene emissions in Africa inferred from OMI observations of formaldehyde columns. 2012 , 12, 6219-6235	132
900	∃-pinene photooxidation under controlled chemical conditions âlPart 1: Gas-phase composition in low- and high-NO_x environments. 2012 , 12, 6489-6504	66
899	The formaldehyde budget as seen by a global-scale multi-constraint and multi-species inversion system. 2012 , 12, 6699-6721	74
898	Diel cycles of isoprenoids in the emissions of Norway spruce, four Scots pine chemotypes, and in Boreal forest ambient air during HUMPPA-COPEC-2010. 2012 , 12, 7215-7229	55
897	∃-pinene photooxidation under controlled chemical conditions âlPart 2: SOA yield and composition in low- and high-NO_x environments. 2012 , 12, 7413-7427	98

896	Trends and variations in CO, C ₂ H ₆ , and HCN in the Southern Hemisphere point to the declining anthropogenic emissions of CO and C _{H_{H₆ 2012, 12, 7543-7555}}	41
895	Brightening of the global cloud field by nitric acid and the associated radiative forcing. 2012 , 12, 7625-7633	7
894	Summertime total OH reactivity measurements from boreal forest during HUMPPA-COPEC 2010. 2012 , 12, 8257-8270	103
893	In-canopy gas-phase chemistry during CABINEX 2009: sensitivity of a 1-D canopy model to vertical mixing and isoprene chemistry. 2012 , 12, 8829-8849	64
892	The global aerosol-climate model ECHAM-HAM, version 2: sensitivity to improvements in process representations. 2012 , 12, 8911-8949	255
891	Impacts of near-future cultivation of biofuel feedstocks on atmospheric composition and local air quality. 2012 , 12, 919-939	50
890	Determination of the biogenic secondary organic aerosol fraction in the boreal forest by NMR spectroscopy. 2012 , 12, 941-959	42
889	Simultaneous assimilation of satellite NO₂, O₃, CO, and HNO₃ data for the analysis of tropospheric chemical composition and emissions. 2012 , 12, 9545-9579	104
888	Distributions and regional budgets of aerosols and their precursors simulated with the EMAC chemistry-climate model. 2012 , 12, 961-987	108
887	A review of operational, regional-scale, chemical weather forecasting models in Europe. 2012 , 12, 1-87	212
886	Physical and chemical properties of the regional mixed layer of Mexico's Megapolis Part II: evaluation of measured and modeled trace gases and particle size distributions. 2012 , 12, 10161-10179	1
885	Carbonaceous aerosols in China: top-down constraints on primary sources and estimation of secondary contribution. 2012 , 12, 2725-2746	117
884	Combined effects of surface conditions, boundary layer dynamics and chemistry on diurnal SOA evolution. 2012 , 12, 6827-6843	21
883	Importance of tropospheric volcanic aerosol for indirect radiative forcing of climate. 2012 , 12, 7321-7339	101
882	Ozone production from the interaction of wildfire and biogenic emissions: a case study in Russia during spring 2006. 2012 , 12, 7931-7953	12
881	Are sesquiterpenes a good source of secondary organic cloud condensation nuclei (CCN)? Revisiting traryophyllene CCN. 2012 , 12, 8377-8388	17
88o	Influence of the North Atlantic Oscillation on air pollution transport. 2012 , 12, 869-877	48
879	Effect of primary organic sea spray emissions on cloud condensation nuclei concentrations. 2012 , 12, 89-101	50

878	Proton Transfer Reaction Mass Spectrometry (PTR-MS). 2012 , 605-630	2
877	Aerosol indirect effect on tropospheric ozone via lightning. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a	21
876	Organic aerosol yields from \oplus -pinene oxidation: bridging the gap between first-generation yields and aging chemistry. 2012 , 46, 12347-54	27
875	Bibliography. 2012 , 531-621	
874	Probing the mechanism of 1,4-conjugate elimination reactions catalyzed by terpene synthases. 2012 , 134, 20844-8	17
873	Observations and estimations of PAR and solar visible radiation in North China. 2012 , 69, 231-252	18
872	Lower/middle tropospheric ozone variability in Senegal during pre-monsoon and monsoon periods of summer 2008: observations and model results. 2012 , 69, 273-302	5
871	Formation of carbonyls and hydroperoxyenals (HPALDs) from the OH radical reaction of isoprene for low-NOx conditions: influence of temperature and water vapour content. 2012 , 69, 253-272	18
870	Green leaf volatiles and oxygenated metabolite emission bursts from mesquite branches following light-dark transitions. 2012 , 113, 321-33	32
869	Characteristics of 2-methyltetrols in ambient aerosol in Beijing, China. 2012 , 59, 376-381	17
868	Evaluation of accuracy in measurements of VOC emissions with dynamic chamber system. 2012 , 62, 344-351	27
867	Organosulfates in humic-like substance fraction isolated from aerosols at seven locations in East Asia: a study by ultra-high-resolution mass spectrometry. 2012 , 46, 13118-27	126
866	Identification of Volatile Compounds Released by Leaves of the Invasive Plant Croftonweed (Ageratina adenophora, Compositae), and their Inhibition of Rice Seedling Growth. 2012 , 60, 205-211	24
865	Tropospheric OH and HO2 radicals: field measurements and model comparisons. 2012 , 41, 6348-404	320
864	Unusually fast 1,6-h shifts of enolic hydrogens in peroxy radicals: formation of the first-generation C2 and C3 carbonyls in the oxidation of isoprene. 2012 , 116, 6134-41	29
863	Light non-methane hydrocarbons at two sites in the Indo-Gangetic Plain. 2012 , 14, 1159-66	25
862	A theoretical study of the OH-initiated gas-phase oxidation mechanism of 即inene (C10H16): first generation products. 2012 , 14, 3802-15	44
861	Measuring [113]C values of atmospheric acetaldehyde via sodium bisulfite adsorption and cysteamine derivatisation. 2012 , 48, 473-82	4

860	Kinetics study of reactions of ⊞-pinene and ⊕inene with hydroxyl radical at 1-8 Torr and 240-340 K using the relative rate/discharge flow/mass spectrometry method. 2012 , 116, 12096-103	7
859	Improved resolution of hydrocarbon structures and constitutional isomers in complex mixtures using gas chromatography-vacuum ultraviolet-mass spectrometry. 2012 , 84, 2335-42	92
858	Multiannual observations of acetone, methanol, and acetaldehyde in remote tropical atlantic air: implications for atmospheric OVOC budgets and oxidative capacity. 2012 , 46, 11028-39	57
857	Primary sources and secondary formation of organic aerosols in Beijing, China. 2012 , 46, 9846-53	140
856	Influence of ozone and radical chemistry on limonene organic aerosol production and thermal characteristics. 2012 , 46, 11660-9	25
855	Photochemical aging of ⊞-pinene secondary organic aerosol: effects of OH radical sources and photolysis. 2012 , 116, 5932-40	84
854	Organic constituents on the surfaces of aerosol particles from Southern Finland, Amazonia, and California studied by vibrational sum frequency generation. 2012 , 116, 8271-90	36
853	Effect of bark beetle infestation on secondary organic aerosol precursor emissions. 2012 , 46, 5696-703	48
852	Isoprene Production Via the Mevalonic Acid Pathway in Escherichia coli (Bacteria). 2012, 5, 814-828	89
851	Volatile organic compound emissions from Miscanthus and short rotation coppice willow bioenergy crops. 2012 , 60, 327-335	26
850	Contributions of biogenic volatile organic compounds to net ecosystem carbon flux in a ponderosa pine plantation. 2012 , 60, 527-533	20
849	EMAC model evaluation and analysis of atmospheric aerosol properties and distribution with a focus on the Mediterranean region. 2012 , 114-115, 38-69	39
848	Thresholds of secondary organic aerosol formation by ozonolysis of monoterpenes measured in a laminar flow aerosol reactor. 2012 , 43, 14-30	16
847	Methanol may function as a cross-kingdom signal. 2012 , 7, e36122	26
846	Atmospheric chemistry: The X factor. 2012 , 488, 164-5	8
845	Airborne signals from a wounded leaf facilitate viral spreading and induce antibacterial resistance in neighboring plants. 2012 , 8, e1002640	72
844	Specificities of Metabolite Profiles in Alpine Plants. 2012 , 99-120	1
843	Tracer-based estimation of secondary organic carbon in the Pearl River Delta, south China. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a	121

(2020-2012)

842	Transport and chemistry of formaldehyde by mesoscale convective systems in West Africa during AMMA 2006. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a	19
841	Long-range correlations in Fourier transform infrared, satellite, and modeled CO in the Southern Hemisphere. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a	13
840	Observations of isoprene, methacrolein (MAC) and methyl vinyl ketone (MVK) at a mountain site in Hong Kong. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a	16
839	Experimental evidence for direct sesquiterpene emission from soils. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a	7
838	Development and initial application of the global-through-urban weather research and forecasting model with chemistry (GU-WRF/Chem). <i>Journal of Geophysical Research</i> , 2012 , 117,	55
837	Sensitivity of biogenic isoprene emissions to past, present, and future environmental conditions and implications for atmospheric chemistry. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a	53
836	A comparison of two canopy conductance parameterizations to quantify the interactions between surface ozone and vegetation over Europe. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a	16
835	Source apportionment of secondary organic aerosols in the Pearl River Delta region: Contribution from the oxidation of semi-volatile and intermediate volatility primary organic aerosols. 2020 , 222, 117111	7
834	Simulating the spatiotemporal distribution of BTEX with an hourly grid-scale model. 2020 , 246, 125722	5
833	Modelling the effect of the 2018 summer heatwave and drought on isoprene emissions in a UK woodland. 2019 , 26, 2320	9
832	Chemical composition of waste burning organic aerosols at landfill and urban sites in Delhi. 2020 , 11, 554-565	9
831	Winter VOCs and OVOCs measured with PTR-MS at an urban site of India: Role of emissions, meteorology and photochemical sources. 2020 , 258, 113651	24
830	Secondary Organic Aerosols from Aromatic Hydrocarbons and their Contribution to Fine Particulate Matter in Atlanta, Georgia. 2020 , 223, 117227-117227	21
829	Wildfire effects on BVOC emissions from boreal forest floor on permafrost soil in Siberia. 2020 , 711, 134851	12
828	The bimolecular catalytic transformation of methyl vinyl ketone oxide: A DFT study. 2020 , 530, 110649	4
827	Responses of isoprene emission and photochemical efficiency to severe drought combined with prolonged hot weather in hybrid Populus. 2020 , 71, 7364-7381	5
826	Expected Impacts of Mixing European Beech with Silver Fir on Regional Air Quality and Radiation Balance. 2020 , 8, 105	1
825	Emission drivers and variability of ambient isoprene, formaldehyde and acetaldehyde in north-west India during monsoon season. 2020 , 267, 115538	7

824	Mapping eucalypts trees using high resolution multispectral images: A study comparing WorldView 2 vs. SPOT 7. 2020 , 24, 333-333	4
823	An investigation into the effects of green space on air quality of an urban area using CFD modeling. 2020 , 34, 100686	5
822	Volatile Organic Compounds (VOCs) from Wood and Wood-Based Panels: Methods for Evaluation, Potential Health Risks, and Mitigation. 2020 , 12,	16
821	A new approach for optimizing air pollutant emissions using Newtonian relaxation and the coupled WRF-CAMx model: a case study in Xuzhou city, China. 2020 , 13, 1	1
820	Continuous Isoprene Measurements in a UK Temperate Forest for a Whole Growing Season: Effects of Drought Stress During the 2018 Heatwave. 2020 , 47, e2020GL088885	5
819	Volatile organic compounds and ozone at four national parks in the southwestern United States. 2020 , 239, 117783	6
818	Separating direct and indirect effects of rising temperatures on biogenic volatile emissions in the Arctic. 2020 , 117, 32476-32483	14
817	Contribution of Terpenes to Ozone Formation and Secondary Organic Aerosols in a Subtropical Forest Impacted by Urban Pollution. 2020 , 11, 1232	O
816	The importance of accounting for enhanced emissions of monoterpenes from new Scots pine foliage in models - A Finnish case study. 2020 , 8, 100097	3
815	Impact of Assimilating Meteorological Observations on Source Emissions Estimate and Chemical Simulations. 2020 , 47, e2020GL089030	3
814	Coupled CFD and 1-D dynamic modeling for the analysis of industrial Regenerative Thermal Oxidizers. 2020 , 157, 108117	1
813	Product investigation of the gas phase ozonolysis of 1-penten-3-ol, cis-2-penten-1-ol and trans-3-hexen-1-ol. 2020 , 238, 117732	2
812	Theoretical study on the ozonolysis of ⊞-humulene in the atmosphere. 2020 , 510, 042049	
811	A portable, low-cost relaxed eddy accumulation (REA) system for quantifying ecosystem-level fluxes of volatile organics. 2020 , 242, 117764	2
810	Monoterpene Chemical Speciation with High Time Resolution Using a FastGC/PTR-MS: Results from the COV3ER Experiment on Quercus ilex. 2020 , 11, 690	3
809	Yearlong measurements of monoterpenes and isoprene in a Mediterranean city (Athens): Natural vs anthropogenic origin. 2020 , 243, 117803	10
808	Improved Cyclohexanone Vapor Detection via Gravimetric Sensing. 2020 , 29, 1253-1263	
807	Letter to Editor on "Environmental impact of personal consumption from life cycle perspective - A Czech Republic case study". 2020 , 737, 137651	

806	Isoprene flux from permeable carbonate sediments on the Great Barrier Reef. 2020, 225, 103856	3
805	Impact of Criegee Intermediate Reactions with Peroxy Radicals on Tropospheric Organic Aerosol. 2020 , 4, 1743-1755	5
804	Degradation mechanism of trans-2-hexenal in the atmosphere. 2020 , 759, 138039	3
803	To What Extent Biomass Burning Aerosols Impact South America Seasonal Climate Predictions?. 2020 , 47, e2020GL088096	1
802	Atmospheric Autoxidation of Amines. 2020 , 54, 11087-11099	15
801	A CMAQ-based Study on Evaluation of Achievements of Measures on Ozone Pollution Prevention and Control in Summer 2017 in Chengdu. 2020 , 610, 012015	3
800	Development of the CREATE Inventory in Support of Integrated Climate and Air Quality Modeling for Asia. 2020 , 12, 7930	15
799	sp. Strain OPL5, an Isoprene-Degrading Bacterium from the Sphingomonadaceae Family Isolated from Oil Palm Leaves. 2020 , 8,	7
798	Development of a portable leaf photosynthesis and volatile organic compounds emission system. 2020 , 7, 100880	0
797	Variability of hydroxyl radical (OH) reactivity in the Landes maritime pine forest: results from the LANDEX campaign 2017. 2020 , 20, 1277-1300	8
796	Modified regional biogenic VOC emissions with actual ozone stress and integrated land cover information: A case study in Yangtze River Delta, China. 2020 , 727, 138703	5
795	Ambient measurements of monoterpenes near Cannabis cultivation facilities in Denver, Colorado. 2020 , 232, 117510	3
794	Quantification of isoprene in coastal ecosystems by gas chromatographyâlhass spectrometry using cumulative headspace injections. 2020 , 18, 374-382	3
793	Global high-resolution emissions of soil NO, sea salt aerosols, and biogenic volatile organic compounds. 2020 , 7, 148	13
792	Quantification of the enhancement of PM concentration by the downward transport of ozone from the stratosphere. 2020 , 255, 126907	7
791	In-situ measurement of trace isoprene and dimethyl sulfide in seawater and oceanic atmosphere based on room temperature adsorption-thermal desorption. 2020 , 222, 103787	5
790	Reviews of emission of biogenic volatile organic compounds (BVOCs) in Asia. 2020 , 95, 266-277	10
789	Characteristics and ozone formation potential of volatile organic compounds in emissions from a typical Chinese coking plant. 2020 , 95, 183-189	6

788	Neighborhood Effects of Herbivore-Induced Plant Resistance Vary Along an Elevational Gradient. 2020 , 8,	4
787	Tracer-based investigation of organic aerosols in marine atmospheres from marginal seas of China to the northwest Pacific Ocean. 2020 , 20, 5055-5070	2
786	Formation of highly oxygenated organic molecules from chlorine-atom-initiated oxidation of alpha-pinene. 2020 , 20, 5145-5155	10
785	Exploring the inconsistent variations in atmospheric primary and secondary pollutants during the 2016 G20 summit in Hangzhou, China: implications from observations and models. 2020 , 20, 5391-5403	12
784	Description and evaluation of the UKCA stratosphereâlroposphere chemistry scheme (StratTrop vn 1.0) implemented in UKESM1. 2020 , 13, 1223-1266	49
783	Emissions and atmospheric concentrations of ⊞-pinene at an urban site of India: Role of changes in meteorology. 2020 , 256, 127071	10
782	Biogenic Isoprene Emissions and Temporal and Spatial Distribution Characteristics in Tianjin. 2020 , 450, 012009	
781	Ground-Based Atmospheric Measurements of CO:CO2 Ratios in Eastern Highland Rim Using a CO Tracer Technique. 2020 , 4, 558-571	3
780	Efficient Nighttime Biogenic SOA Formation in a Polluted Residual Layer. 2020 , 125, e2019JD031583	7
779	Terpenes and their oxidation products in the French Landes forest: insights from Vocus PTR-TOF measurements. 2020 , 20, 1941-1959	22
778	A Joint Action of Deep Eutectic Solvents and Ultrasound to Promote Dielsâlder Reaction in a Sustainable Way. 2020 , 8, 4889-4899	5
777	Characterization of Total OH Reactivity in a Rapeseed Field: Results from the COV3ER Experiment in April 2017. 2020 , 11, 261	2
776	Intraday and interday variations of 69 volatile organic compounds (BVOCs and AVOCs) and their source profiles at a semi-urban site. 2020 , 723, 138028	3
775	Insights into atmospheric oxidation processes by performing factor analyses on subranges of mass spectra. 2020 , 20, 5945-5961	6
774	NiCoO spinel for efficient toluene oxidation: The effect of crystal plane and solvent. 2020 , 259, 127427	8
773	Attributing ozone and its precursors to land transport emissions in Europe and Germany. 2020 , 20, 7843-787	3 8
772	A´model-based analysis of foliar NO_{<i>x</i>} deposition. 2020 , 20, 2123-21	416
771	Spatio-temporal distribution and source partitioning of formaldehyde over Ethiopia and Kenya. 2020 , 237, 117706	3

(2020-2020)

770	Altitudinal Gradient over a Wide Range of Andean Ecosystems: Model Estimation/Disaggregation with BIGA. 2020 , 25, 761-773	1
769	Sources of oxygenated volatile organic compounds (OVOCs) in urban atmospheres in North and South China. 2020 , 261, 114152	23
768	Evidence and evolution of Criegee intermediates, hydroperoxides and secondary organic aerosols formed via ozonolysis of ⊞-pinene. 2020 , 22, 6528-6537	7
767	NOx enhances secondary organic aerosol formation from nighttime 🏻 terpinene ozonolysis. 2020 , 225, 117375	11
766	Effect of NOx and SO on the photooxidation of methylglyoxal: Implications in secondary aerosol formation. 2020 , 92, 151-162	7
765	Biogenic volatile organic compounds (BVOCs) reactivity related to new particle formation (NPF) over the Landes forest. 2020 , 237, 104869	11
764	Are contributions of emissions to ozone a matter of scale? âla study using MECO(n) (MESSy v2.50). 2020 , 13, 363-383	5
763	Significant emissions of dimethyl sulfide and monoterpenes by big-leaf mahogany trees: discovery of a missing dimethyl sulfide source to the atmospheric environment. 2020 , 20, 375-389	9
762	A critical review on VOCs adsorption by different porous materials: Species, mechanisms and modification methods. 2020 , 389, 122102	201
761	A quantitative assessment of atmospheric emissions and spatial distribution of trace elements from natural sources in China. 2020 , 259, 113918	9
760	Environmental and physiological controls on diurnal and seasonal patterns of biogenic volatile organic compound emissions from five dominant woody species under field conditions. 2020 , 259, 113955	9
759	Emission characteristics of biogenic volatile organic compounds from representative plant species of the Korean peninsula âlFocused on aldehydes. 2020 , 236, 104840	4
75 ⁸	Diurnal variation of BTEX at road traffic intersection points in Delhi, India: source, ozone formation potential, and health risk assessment. 2020 , 27, 11093-11104	5
757	Particle-Phase Diffusion Modulates Partitioning of Semivolatile Organic Compounds to Aged Secondary Organic Aerosol. 2020 , 54, 2595-2605	19
756	Impact of insect herbivory on plant stress volatile emissions from trees: A synthesis of quantitative measurements and recommendations for future research. 2020 , 5, 100060	21
755	Contribution of biogenic sources to secondary organic aerosol in the summertime in Shaanxi, China. 2020 , 254, 126815	2
754	Below-ground nitrogen transfer from oak seedlings facilitates Molinia growth: 15N pulse-chase labelling. 2020 , 449, 343-356	3
753	Impact of afforestation on surface ozone in the North China Plain during the three-decade period. 2020 , 287, 107979	2

752	Leaf isoprene and monoterpene emission distribution across hyperdominant tree genera in the Amazon basin. 2020 , 175, 112366	10
751	Impact of biogenic emissions of organic matter from a cool-temperate forest on aerosol optical properties. 2020 , 229, 117413	O
750	Kinetic Measurements of Cl Atom Reactions with C5âû8 Unsaturated Alcohols. 2020 , 11, 256	5
749	Therapeutic Potential of Volatile Terpenes and Terpenoids from Forests for Inflammatory Diseases. 2020 , 21,	52
748	Characterization of an indoor environmental chamber and identification of C1âtt OVOCs during isoprene ozonolysis. 2021 , 30, 554-564	1
747	Molecular markers for fungal spores and biogenic SOA over the Antarctic Peninsula: Field measurements and modeling results. 2021 , 762, 143089	3
746	Developing holistic models of the structure and function of the soil/plant/atmosphere continuum. 2021 , 461, 29-42	4
745	Biotransformation of longifolene by Penicillium europium. 2021 , 39, 41-47	3
744	Changes to simulated global atmospheric composition resulting from recent revisions to isoprene oxidation chemistry. 2021 , 244, 117914	5
743	The potential use of in the remediation of crude oil pollution. 2021 , 23, 445-453	O
742	Year-round measurements of size-segregated low molecular weight organic acids in Arctic aerosol. 2021 , 763, 142954	7
741	Kinetic and mechanistic study of the gas-phase reaction of ozone with 🛭 terpinene. 2021 , 246, 118073	1
740	Seasonality patterns and distinctive signature of latitude and population on ozone concentrations in Southern Ontario, Canada. 2021 , 246, 118077	3
739	Biogenic volatile organic compounds in different ecosystems in Southern Kenya. 2021 , 246, 118064	1
738	Improving PM2.5 forecast during haze episodes over China based on a coupled 4D-LETKF and WRF-Chem system. 2021 , 249, 105366	5
737	Biogenic particles formed in the Himalaya as an important source of free tropospheric aerosols. 2021 , 14, 4-9	15
736	Emissions and potential controls of light alkenes from the marginal seas of China. 2021 , 758, 143655	2
735	Measurements of total ozone reactivity in a suburban forest in Japan. 2021 , 246, 117990	2

734	Simultaneous Measurements of O3 and HCOOH Vertical Fluxes Indicate Rapid In-Canopy Terpene Chemistry Enhances O3 Removal Over Mixed Temperate Forests. 2021 , 48, e2020GL090996	4
733	Ambient air characteristics of biogenic volatile organic compounds at a tropical evergreen forest site in Central Western Ghats of India. 2021 , 78, 139-159	1
732	Long-term measurement of sub-3 nm particles and their precursor gases in the boreal forest. 2021 , 21, 695-715	7
731	The production and hydrolysis of organic nitrates from OH radical oxidation of <i></i>-ocimene. 2021 , 21, 129-145	6
730	The On-Line Integrated Mesoscale Chemistry Model BOLCHEM. 2021 , 12, 192	2
729	Combined effects of ozone and drought stress on the emission of biogenic volatile organic compounds from <i>Quercus robur</i> L 2021 , 18, 535-556	3
728	Isoprene fluxes from warm temperate and tropical seagrass communities.	1
727	The role of a suburban forest in controlling vertical trace gas and OH reactivity distributions - a case study for the Seoul metropolitan area. 2021 , 226, 537-550	1
726	Intramolecular charge transfer excitation induced by CHO substitution in the 3-methoxy-1-propoxy radical. 2021 , 23, 2586-2593	
725	Wet deposition ethanol concentration at US atmospheric integrated research monitoring network (AIRMoN) sites. 2021 , 78, 125-138	1
724	Unmanned Aerial Vehicle Measurements of Volatile Organic Compounds over a Subtropical Forest in China and Implications for Emission Heterogeneity. 2021 , 5, 247-256	4
723	A new field instrument for leaf volatiles reveals an unexpected vertical profile of isoprenoid emission capacities in a tropical forest.	
722	Organosulfates in atmospheric aerosols in Shanghai, China: seasonal and interannual variability, origin, and formation mechanisms. 2021 , 21, 2959-2980	13
721	Evaluation of Early Bark Beetle Infestation Localization by Drone-Based Monoterpene Detection. 2021 , 12, 228	2
720	Large Discrepancy in the Formation of Secondary Organic Aerosols from Structurally Similar Monoterpenes. 2021 , 5, 632-644	3
719	A long-term estimation of biogenic volatile organic compound (BVOC) emission in China from 2001â 2 016: the roles of land cover change and climate variability. 2021 , 21, 4825-4848	13
718	Atmospheric organic vapors in two European pine forests measured by a Vocus PTR-TOF: insights into monoterpene and sesquiterpene oxidation processes. 2021 , 21, 4123-4147	8
717	The impact of biogenic emissions on ozone formation in the Yangtze River Delta region based on MEGANv3.1. 2021 , 14, 763-774	1

716	PM characterization of primary and secondary organic aerosols in two urban-industrial areas in the East Mediterranean. 2021 , 101, 98-116	9
715	Acyclic Terpenes Reduce Secondary Organic Aerosol Formation from Emissions of a Riparian Shrub. 2021 , 5, 1242-1253	2
714	Volatile organic compound emission in tundra shrubs - Dependence on species characteristics and the near-surface environment. 2021 , 184, 104387	6
713	Phenological stage of tundra vegetation controls bidirectional exchange of BVOCs in a climate change experiment on a subarctic heath. 2021 , 27, 2928-2944	2
712	Uncertainties of Simulated Aerosol Direct Radiative Effect Induced by Aerosol Chemical Components: A Measurement-Based Perspective From Urban-Forest Transition Region in East China. 2021 , 126, e2020JD033688	3
711	Air Quality Measurements and Education: Improving Environmental Awareness of High School Students. 2021 , 2,	3
710	Evaluating Drought Responses of Surface Ozone Precursor Proxies: Variations With Land Cover Type, Precipitation, and Temperature. 2021 , 48, e2020GL091520	2
709	Mechanism of secondary organic aerosol formation from the reaction of isoprene with sulfoxy radicals. 2021 , 28, 42562-42569	O
708	Isolating ⊞-Pinene Ozonolysis Pathways Reveals New Insights into Peroxy Radical Chemistry and Secondary Organic Aerosol Formation. 2021 , 55, 6700-6709	4
707	Gas-phase ozonolysis of trans-2-hexenal: Kinetics, products, mechanism and SOA formation. 2021 , 253, 118344	4
706	Marine volatile organic compounds and their impacts on marine aerosol-A review. 2021 , 768, 145054	7
7 ⁰ 5	Volatilome of Aleppo Pine litter over decomposition process. 2021 , 11, 6862-6880	2
704	Green urban vegetation planning and economic efficiency based on remote sensing images and grid geographic space. 2021 , 14, 1	
703	Anthropogenic-Biogenic Interactions at Night: Enhanced Formation of Secondary Aerosols and Particulate Nitrogen- and Sulfur-Containing Organics from 即inene Oxidation. 2021 , 55, 7794-7807	6
702	COVID-19 induced lower-tropospheric ozone changes. 2021 , 16, 064005	8
701	Sesquiterpenes and oxygenated sesquiterpenes dominate the VOC (C₅âtt₂₀) emissions of downy birches. 2021 , 21, 8045-8066	1
700	O3 Concentration and Its Relation with BVOC Emissions in a Subtropical Plantation. 2021 , 12, 711	3
699	Rainfall trend based on computer image system and English translation of tourist attractions in coastal cities. 2021 , 14, 1	

(2021-2021)

698	Rapid production of highly oxidized molecules in isoprene aerosol via peroxy and alkoxy radical isomerization pathways in low and high NO environments: Combined laboratory, computational and field studies. 2021 , 775, 145592	3
697	Measurement report: Molecular composition and volatility of gaseous organic compounds in a boreal forest alfrom volatile organic compounds to highly oxygenated organic molecules. 2021 , 21, 8961-897	7 ¹
696	Study on Volatile Organic Compounds of Tree Species and the Influence on Ozone and Secondary Organic Aerosol. 2021 , 791, 012199	1
695	Volatile organic compounds concentration profiles and control strategy in container manufacturing industry: Case studies in China. 2021 , 104, 296-306	2
694	Temporal and spatial variations of aerosol optical properties over the Korean peninsula during KORUS-AQ. 2021 , 254, 118301	2
693	Seasonal Characteristics of Biogenic Secondary Organic Aerosols Over Chichijima Island in the Western North Pacific: Impact of Biomass Burning Activity in East Asia. 2021 , 126, e2020JD032987	4
692	Long-Term (2011â¤019) Trends of O3, NO2, and HCHO and Sensitivity Analysis of O3 Chemistry over the GBM (GangesâBrahmaputraâMeghna) Delta: Spatial and Temporal Variabilities. 2021 , 5, 1468-1485	1
691	Characteristics and source apportionment of volatile organic compounds (VOCs) at a coastal site in Hong Kong. 2021 , 777, 146241	11
690	A New Field Instrument for Leaf Volatiles Reveals an Unexpected Vertical Profile of Isoprenoid Emission Capacities in a Tropical Forest. 2021 , 4,	0
689	Using GECKO-A to derive mechanistic understanding of secondary organic aerosol formation from the ubiquitous but understudied camphene. 2021 , 21, 11467-11487	2
688	Selective volatile organic compound gas sensor based on carbon nanotubes functionalized with ZnO nanoparticles. 2021 , 39, 042803	2
687	The microbiology of isoprene cycling in aquatic ecosystems. 2021 , 87, 79-98	2
686	Moving beyond the incorrect but useful paradigm: reevaluating big-leaf and multilayer plant canopies to model biosphere-atmosphere fluxes âlà review. 2021 , 306, 108435	17
685	A primary generalized empirical model of BVOC emissions for some typical forests in China. 2021 , 12, 101126	O
684	Characteristics and chemical reactivity of biogenic volatile organic compounds from dominant forest species in the Jing-Jin-Ji area, China. 2021 , 8,	0
683	Screening for New Pathways in Atmospheric Oxidation Chemistry with Automated Mechanism Generation. 2021 , 125, 6772-6788	2
682	The importance of sesquiterpene oxidation products for secondary organic aerosol formation in a springtime hemiboreal forest. 2021 , 21, 11781-11800	5
681	Volatile chemical product emissions enhance ozone and modulate urban chemistry. 2021 , 118,	11

680	Measurement report: Biogenic volatile organic compound emission profiles of rapeseed leaf litter and its secondary organic aerosol formation potential. 2021 , 21, 12613-12629	2
679	Nano-Titania Doped NR Foams: Influence on Photocatalysis and Physical Properties. 2021 , 190, 109640	O
678	Opinion: Papers that shaped tropospheric chemistry. 2021 , 21, 12909-12948	2
677	Growth condition controls on G-93 parameters of isoprene emission from tropical trees. 2021 , 134, 1225-12	242 _O
676	Isoprenoid emissions from natural vegetation increased rapidly in eastern China. 2021 , 200, 111462	3
675	FORCAsT-gs: Importance of Stomatal Conductance Parameterization to Estimated Ozone Deposition Velocity. 2021 , 13, e2021MS002581	4
674	Ensemble projection of global isoprene emissions by the end of 21st century using CMIP6 models. 2021 , 267, 118766	Ο
673	Air Quality over China. 2021 , 13, 3542	1
672	Formation of Substituted Alkyls as Precursors of Peroxy Radicals with a Rapid H-Shift in the Atmosphere. 2021 , 12, 8790-8797	1
671	Effects of Anthropogenic and Biogenic Volatile Organic Compounds on Los Angeles Air Quality. 2021 , 55, 12191-12201	8
670	Review on plant terpenoid emissions worldwide and in China. 2021, 787, 147454	3
669	Diversity and Interrelations Among the Constitutive VOC Emission Blends of Four Broad-Leaved Tree Species at Seedling Stage. 2021 , 12, 708711	2
668	Biomass-burning emissions could significantly enhance the atmospheric oxidizing capacity in continental air pollution. 2021 , 285, 117523	8
667	Vegetation responses to climate extremes recorded by remotely sensed atmospheric formaldehyde. 2021 ,	3
666	The outflow of Asian biomass burning carbonaceous aerosol into the upper troposphere and lower stratosphere in spring: radiative effects seen in a global model. 2021 , 21, 14371-14384	2
665	New evidence for the importance of non-stomatal pathways in ozone deposition during extreme heat and dry anomalies.	
664	Formation of secondary organic aerosols from the reaction of Dterpinene with ozone: yields and morphology. 2021 , 262, 118600	1
663	Assessing the regional biogenic methanol emission from spring wheat during the growing season: A Canadian case study. 2021 , 287, 117602	Ο

662	Exploration of O-precursor relationship and observation-oriented O control strategies in a non-provincial capital city, southwestern China. 2021 , 800, 149422	O
661	Effect of senescence on biogenic volatile organic compound fluxes in wheat plants. 2021 , 266, 118665	1
660	Ambient volatile organic compounds in tropical environments: Potential sources, composition and impacts - A review. 2021 , 285, 131355	7
659	Variability and sources of non-methane hydrocarbons at a Mediterranean urban atmosphere: The role of biomass burning and traffic emissions. 2021 , 800, 149389	5
658	Contrasting nitrogen and phosphorus fertilization effects on soil terpene exchanges in a tropical forest. 2022 , 802, 149769	
657	Characterization of diatomaceous earth coated with nitrated asphaltenes as superior adsorbent for removal of VOCs from gas phase in fixed bed column. 2022 , 427, 130653	1
656	Photosynthesis and Related Physiological Parameters Differences Affected the Isoprene Emission Rate among 10 Typical Tree Species in Subtropical Metropolises. 2021 , 18,	2
655	Environmentally friendly plant essential oil: Liquid gold for human health. 2021 , 289-337	3
654	A modelling study of OH, NO and HSO in 2007-2018 at SMEAR II, Finland: analysis of long-term trends. 2021 , 1, 449-472	
653	Climate-driven chemistry and aerosol feedbacks in CMIP6 Earth system models. 2021 , 21, 1105-1126	10
652	Engineering of Plant Metabolic Pathway for Nutritional Improvement. 2021 , 351-379	0
651	Occurrence and emission of non-methane hydrocarbons in the East China Sea: roles of phytoplankton assemblages. 2021 ,	1
650	Viscosity and liquidâlIquid phase separation in healthy and stressed plant SOA. 2021, 1, 140-153	4
649	Metabolic Engineering of Plant Secondary Metabolism.	3
648	The Impact of Biomass Burning on the Global Budget of Ozone and Ozone Precursors. 2000 , 69-85	20
647	Heterogeneous and Aqueous-Phase Transformations of Isoprene. 2006 , 261-277	4
646	Global Organic Emissions from Vegetation. 2004 , 115-170	49
645	Aerosol Formation from Plant Emissions: The J [^] lich Plant Chamber Experiments. 2007 , 924-927	1

644	Our Present Understanding of the Gas-Phase Atmospheric Degradation of Vocs. 2008, 1-19	3
643	Overview Of Structure-Activity Relationship Methods For Predicting Gas-Phase Rate Coefficients. 2008 , 47-59	3
642	Biogenic Emission and Essential Oils of Some Eucalyptus Species: A Comparison Study. 2010 , 357-365	1
641	Plant Carbon Budgets. 2011 , 157-181	3
640	Modeling Emissions and Chemistry of Monoterpenes for Regional Models. 2002 , 309-332	1
639	Study of Lower Tropospheric Ozone over Central and Eastern China: Comparison of Satellite Observation with Model Simulation. 2018 , 255-275	1
638	Multi-scale Simulations of Atmospheric Pollutants Using a Non-hydrostatic Icosahedral Atmospheric Model. 2018 , 277-302	4
637	Tropospheric Ozone Budget: Formation, Depletion and Climate Change. 2018 , 31-64	3
636	Establishing Correlation Between Abiotic Stress and Isoprene Emission of Selected Plant Species. 2019 , 43-65	3
635	Dynamic Global Vegetation Modeling: Quantifying Terrestrial Ecosystem Responses to Large-Scale Environmental Change. 2007 , 175-192	174
635 634		174 5
	Environmental Change. 2007, 175-192	
634	Environmental Change. 2007 , 175-192 Literature. 2008 , 505-568	5
634	Environmental Change. 2007, 175-192 Literature. 2008, 505-568 Short-Lived Trace Gases in the Surface Ocean and the Atmosphere. 2014, 1-54	5
634 633 632	Literature. 2008, 505-568 Short-Lived Trace Gases in the Surface Ocean and the Atmosphere. 2014, 1-54 OceanâAtmosphere Interactions of Particles. 2014, 171-246	5 13 21
634 633 632	Environmental Change. 2007, 175-192 Literature. 2008, 505-568 Short-Lived Trace Gases in the Surface Ocean and the Atmosphere. 2014, 1-54 OceanâAtmosphere Interactions of Particles. 2014, 171-246 Regional-Global Change Linkages: Southern Africa. 2002, 3-73	5 13 21 5
634 633 632 631	Literature. 2008, 505-568 Short-Lived Trace Gases in the Surface Ocean and the Atmosphere. 2014, 1-54 Oceanâ Atmosphere Interactions of Particles. 2014, 171-246 Regional-Global Change Linkages: Southern Africa. 2002, 3-73 Is the Oxidising Capacity of the Troposphere Changing?. 1999, 105-132	5 13 21 5

626	Trace Gases. 2012 , 69-125	1
625	Pollutant-Induced Decay of Building Materials. 2012 , 47-120	9
624	Chemistry of Organic Sulfates and Nitrates in the Urban Atmosphere. 2013 , 211-226	4
623	Modification of BVOC Emissions by Changes in Atmospheric [CO2] and Air Pollution. 2013 , 253-284	14
622	Upscaling Biogenic Volatile Compound Emissions from Leaves to Landscapes. 2013 , 391-414	6
621	Scaling Emissions from Agroforestry Plantations and Urban Habitats. 2013 , 415-450	5
620	Global Modelling of Volatile Organic Compound Emissions. 2013 , 451-487	11
619	Climate Feedbacks Linking the Increasing Atmospheric CO2 Concentration, BVOC Emissions, Aerosols and Clouds in Forest Ecosystems. 2013 , 489-508	28
618	State-of-the-Art of BVOC Research: What Do We Have and What Have We Missed? A Synthesis. 2013 , 509-528	7
617	BVOC-Mediated Plant-Herbivore Interactions. 2013 , 21-46	18
616	Genetic Engineering of BVOC Emissions from Trees. 2013 , 95-118	15
615	Cycling of Methanol between Plants, Methylotrophs and the Atmosphere. 1996 , 343-350	14
614	Emission of Biogenic Volatile Organic Compounds: An Overview of Field, Laboratory and Modelling Studies Performed during the allropospheric Research Programa (TFS) 1997a 2000. 2002, 159-177	2
613	Free Radicals in the Atmosphere: The Motor of Tropospheric Oxidation Processes. 1997 , 365-385	4
612	The origin, composition and rates of organic nitrogen deposition: A missing piece of the nitrogen cycle?. 2002 , 99-136	44
611	Atmospheric Aerosols. 2015 , 9-24	8
610	The contribution of carbonaceous aerosols to climate change. 1996 , 759-769	7
609	Estimations and uncertainty of biogenic volatile organic compound emission inventory in China for 2008-2018. 2020 , 733, 139301	13

608	Climate Change and Terrestrial Ecosystem Modeling. 2019,	32
607	The Importance of Fundamental Science for Society: The Success Story of Ozone Research. 2020 , 1, e2020CN	00 <u>0</u> 0136
606	A review of research hotspots and trends in biogenic volatile organic compounds (BVOCs) emissions combining bibliometrics with evolution tree methods. 2021 , 16, 013003	5
605	Metabolism of carveol and dihydrocarveol in Rhodococcus erythropolis DCL14. 2000 , 146 (Pt 5), 1129-1141	41
604	Amazonian biogenic volatile organic compounds under global change. 2020 , 26, 4722-4751	13
603	Model study of the impact of biogenic emission on regional ozone and the effectiveness of emission reduction scenarios over eastern China.	16
602	Microbial consumption of atmospheric isoprene in a temperate forest soil. 1998 , 64, 172-7	73
601	Three distinct phases of isoprene formation during growth and sporulation of Bacillus subtilis. 1999 , 181, 4700-3	23
600	Gap models across micro- to mega-scales of time and space: examples of Tansleyâl ecosystem concept. 2020 , 7,	6
599	Biosynthesis and regulation of plant volatiles and their functional roles in ecosystem interactions and global environmental changes. 2016 , 185-237	2
598	Isoprene and Its Energy Role in the Atmospheric Photochemical Processes. 2014 , 04, 319-334	3
597	Study on Solar Spectral Radiation and Calculating Method of Photosynthetically Active Radiation at Baikal Lake. 2015 , 05, 33-42	1
596	Ozone and Its Affecting Factors in the Subtropical Bamboo Forest. 2017 , 07, 536-551	3
595	Enhanced methanol production in plants provides broad spectrum insect resistance. 2013 , 8, e79664	33
594	Dietary methanol regulates human gene activity. 2014 , 9, e102837	14
593	The Influence of Prior Learning Experience on Pollinator Choice: An Experiment Using Bumblebees on Two Wild Floral Types of Antirrhinum majus. 2015 , 10, e0130225	3
592	Tropospheric Ozone Assessment Report. 2020 , 8,	18
591	A review on the treatment of volatile organic compounds using absorbents. 2018 , 17, 95-121	6

(2020-2003)

590	MASINGAR, a global tropospheric aerosol chemical transport model coupled with MRI/JMA98 GCM: Model description. 2003 , 53, 119-138	8o
589	Development of a Meteorological Research Institute Chemistry-Climate Model version 2 for the Study of Tropospheric and Stratospheric Chemistry. 2011 , 62, 1-46	53
588	The influence of atmospheric light scattering on reflectance measurements during photogrammetric survey flights at low altitudes over forest areas. 2018 , 79, 59-68	3
587	Light-Dependent Monoterpene Emissions from an Oak Species Native to Asia. 2008 , 46, 257-265	8
586	Understanding i-Tree.	10
585	Data_Sheet_1.CSV. 2019 ,	О
584	Characteristics of Surface Ozone in Five Provincial Capital Cities of China during 2014â1/2015. 2020 , 11, 107	4
583	Increases in Biogenic Volatile Organic Compound Concentrations Observed after Rains at Six Forest Sites in Non-Summer Periods. 2020 , 11, 1381	2
582	FTIR SPECTRA OF ISOPRENE AND ITS PHOTOOXIDATION PRODUCTS. 2010 , 29, 114-116	1
581	Evaluation of fugitive emissions of hydrocarbons from a refinery during a significant pollution episode. 2014 ,	2
580	Effects of Changed Climate Conditions on Tropospheric Ozone over Three Centuries. 2012 , 02, 546-561	8
579	Changes in terpenes of three kinds of pine needles during litter decomposition. 2010 , 33, 175-186	3
578	CRI-HOM: A novel chemical mechanism for simulating highly oxygenated organic molecules (HOMs) in global chemistryâlerosolâllimate models. 2020 , 20, 10889-10910	10
577	Oligomer and highly oxygenated organic molecule formation from oxidation of oxygenated monoterpenes emitted by California sage plants. 2020 , 20, 10953-10965	2
576	Emission of biogenic volatile organic compounds from warm and oligotrophic seawater in the Eastern Mediterranean. 2020 , 20, 12741-12759	2
575	Hygroscopic behavior of aerosols generated from solutions of 3-methyl-1,2,3-butanetricarboxylic acid, its sodium salts, and its mixtures with NaCl. 2020 , 20, 14103-14122	4
574	Surfaceâ\text{\text{B}}tmosphere fluxes of volatile organic compounds in Beijing. 2020 , 20, 15101-15125	6
573	A comparative and experimental study of the reactivity with nitrate radical of two terpenes: <i>\(\perp\)</i>-terpinene and <i>\(\perp\)</i>-terpinene. 2020 , 20, 15167-15189	4

572	Megacity and local contributions to regional air pollution: an aircraft case study over London. 2020 , 20, 7193-7216	0
571	Evaluation of the chemical composition of gas- and particle-phase products of aromatic oxidation. 2020 , 20, 9783-9803	17
570	Multi-year (2004â�2008) record of nonmethane hydrocarbons and halocarbons in New England: seasonal variations and regional sources.	4
569	An overview of the Amazonian Aerosol Characterization Experiment 2008 (AMAZE-08).	4
568	The influence of small-scale variations in isoprene concentrations on atmospheric chemistry over a tropical rainforest.	5
567	Analysis of CO in the tropical troposphere using Aura satellite data and the GEOS-Chem model: insights into transport characteristics of the GEOS meteorological products.	1
566	Estimating European volatile organic compound emissions using satellite observations of formaldehyde from the Ozone Monitoring Instrument.	1
565	Global modeling of organic aerosol: the importance of reactive nitrogen.	4
564	Evaluation of a photosynthesis-based biogenic isoprene emission scheme in JULES and simulation of isoprene emissions under modern climate conditions.	2
563	Mass yields of secondary organic aerosols from the oxidation of \exists -pinene and real plant emissions.	1
562	A global perspective on aerosol from low-volatility organic compounds.	2
561	The chemical and microphysical properties of secondary organic aerosols from Holm Oak emissions.	1
560	Biogenic oxidized organic functional groups in aerosol particles from a mountain forest site and their similarities to laboratory chamber products.	1
559	Isoprene emissions modelling for West Africa using MEGAN.	5
558	Chemical and aerosol characterisation of the troposphere over West Africa during the monsoon period as part of AMMA.	8
557	Observations of OH and HO ₂ radicals over West Africa.	6
556	Reanalysis of tropospheric sulphate aerosol and ozone for the period 1980â\(\textit{\textit{0}}\)005 using the aerosol-chemistry-climate model ECHAM5-HAMMOZ.	6
555	Global terrestrial isoprene emission models: sensitivity to variability in climate and vegetation.	1

554	Yields of oxidized volatile organic compounds during the OH radical initiated oxidation of isoprene, methyl vinyl ketone, and methacrolein under highâNO _x conditions.	3
553	In situ measurements of isoprene and monoterpenes within a South-East Asian tropical rainforest.	5
552	A study of uncertainties in the sulfate distribution and its radiative forcing associated with sulfur chemistry in a global aerosol model.	2
551	Direct ecosystem fluxes of volatile organic compounds from oil palms in South-East Asia.	2
550	Technical Note: In-situ derivatization thermal desorption GC-TOFMS for direct analysis of particle-bound non-polar and polar organic species.	1
549	Impacts of changes in land use and land cover on atmospheric chemistry and air quality over the 21st century.	3
548	Origins and composition of fine atmospheric carbonaceous aerosol in the Sierra Nevada Mountains, California.	3
547	Effect of isoprene emissions from major forests on ozone formation in the city of Shanghai, China.	1
546	Contrasting winter and summer VOC mixing ratios at a forest site in the Western Mediterranean Basin: the effect of local biogenic emissions.	5
545	Isoprene in poplar emissions: effects on new particle formation and OH concentrations.	1
544	Determination of the biogenic secondary organic aerosol fraction in the boreal forest by AMS and NMR measurements.	1
543	Quantification of hydroxyacetone and glycolaldehyde using chemical ionization mass spectrometry.	6
542	Rate coefficients for the gas-phase reaction of OH with <i>Z</i> -3-hexen-1-ol, 1-penten-3-ol, <i>E</i> -2-hexen-1-ol between 243 and 404 K.	3
541	SOA formation from the atmospheric oxidation of 2-methyl-3-buten-2-ol and its implications for PM _{2.5} .	1
540	Impacts of near-future cultivation of biofuel feedstocks on atmospheric composition and local air quality.	1
539	Aerosol simulation applying high resolution anthropogenic emissions with the EMAC chemistry-climate model.	2
538	The atmospheric potential of biogenic volatile organic compounds from needles of White Pine (<i>Pinus strobus</i>) in Northern Michigan.	1
537	Carbonaceous aerosols in China: top-down constraints on primary sources and estimation of secondary contribution.	5

536	3-D evaluation of tropospheric ozone simulations by an ensemble of regional Chemistry Transport Model.	2
535	The impact of soil uptake on the global distribution of molecular hydrogen: chemical transport model simulation.	3
534	In-cloud oxalate formation in the global troposphere: a 3-D modeling study.	4
533	Global multi-year O ₃ -CO correlation patterns from models and TES satellite observations.	2
532	First space-based derivation of the global atmospheric methanol emission fluxes.	2
531	Effect of relative humidity on SOA formation from isoprene/NO photooxidation: role of particle-phase esterification under dry conditions.	4
530	Aerosol mass spectrometer constraint on the global secondary organic aerosol budget.	19
529	Effect of primary organic sea spray emissions on cloud condensation nuclei concentrations.	4
528	Operational, regional-scale, chemical weather forecasting models in Europe.	12
527	Modelling the impacts of climate change on tropospheric ozone over three centuries.	13
526	Global cloud condensation nuclei influenced by carbonaceous combustion aerosol.	2
525	Branch-level measurement of total OH reactivity for constraining unknown BVOC emission during the CABINEX (Community Atmosphere-Biosphere INteractions Experiments)-09 Field Campaign.	5
524	Diel cycles of isoprenoids in the emissions of Norway spruce, four Scots pine chemotypes, and in Boreal forest ambient air during HUMPPA-COPEC-2010.	4
523	Cyclobutyl methyl ketone as a model compound for pinonic acid to elucidate oxidation mechanisms.	1
522	On the formation of sulphuric acid-amine clusters in varying atmospheric conditions and its influence on atmospheric new particle formation.	1
521	Simultaneous assimilation of satellite NO ₂ , O ₃ , CO, and HNO ₃ data for the analysis of tropospheric chemical composition and emissions.	2
520	How have both cultivation and warming influenced annual global isoprene and monoterpene emissions since the preindustrial era?.	1
519	Contributions of individual reactive biogenic volatile organic compounds to organic nitrates above a mixed forest.	3

518	Seasonal cycles of biogenic volatile organic compound fluxes and concentrations in a California citrus orchard.	5
5 ¹ 7	Eddy covariance emission and deposition flux measurements using proton transfer reaction-time of flight-mass spectrometry (PTR-TOF-MS): comparison with PTR-MS measured vertical gradients and fluxes.	1
516	Pre-industrial to end 21st century projections of tropospheric ozone from the Atmospheric Chemistry and Climate Model Intercomparison Project (ACCMIP).	8
515	Formation and occurrence of dimer esters of pinene oxidation products in atmospheric aerosols.	3
514	The size distribution and mixing state of black carbon aerosol over Europe.	4
513	Evaluation of factors controlling global secondary organic aerosol production from cloud processes.	1
512	Scorched earth: how will changes in ozone deposition caused by drought affect human health and ecosystems?.	3
511	The EMEP MSC-W chemical transport model âlPart 1: Model description.	19
510	A multi-model study of impacts of climate change on surface ozone in Europe.	13
509	Aerosol-induced changes in summer rainfall and circulation in the Australasian region: a study using single-forcing climate simulations.	15
508	Trends, interannual and seasonal variations of tropospheric CO, C ₂ H ₆ and HCN columns measured from ground-based FTIR at Lauder and Arrival Heights.	1
507	∃-pinene photooxidation under controlled chemical conditions âlPart 1: Gas-phase composition in low- and high-NO _x environments.	2
506	Estimation of biogenic volatile organic compound (BVOC) emissions from the terrestrial ecosystem in China using real-time remote sensing data.	11
505	Summertime total OH reactivity measurements from boreal forest during HUMPPA-COPEC 2010.	3
504	Isoprene emissions in Africa inferred from OMI observations of formaldehyde columns.	3
503	Importance of tropospheric volcanic aerosol for indirect radiative forcing of climate.	3
502	Boundary layer nucleation as a source of new CCN in savannah environment.	5
501	Evaluation of two isoprene emission models for use in a long-range air pollution model.	2

500	Combined effects of surface conditions, boundary layer dynamics and chemistry on diurnal SOA-evolution.	2
499	Source apportionment of submicron organic aerosol at an urban background and a road site in Barcelona, Spain.	1
498	Online coupled regional meteorology-chemistry models in Europe: current status and prospects.	5
497	The global impact of the transport sectors on atmospheric aerosol: simulations for year 2000 emissions.	2
496	Water-soluble organic carbon over the Pearl River Delta region during fallawinter: spatial variations and source apportionment.	4
495	Undisturbed and disturbed above canopy ponderosa pine emissions: PTR-TOF-MS measurements and MEGAN 2.1 model results.	5
494	Biogenic and biomass burning organic aerosol in a boreal forest at Hyyti [°] [] []Finland, during HUMPPA-COPEC 2010.	1
493	Quantifying the contributions of natural emissions to ozone and total fine PM concentrations in the Northern Hemisphere.	3
492	The direct and indirect radiative effects of biogenic secondary organic aerosol.	6
491	Acetaldehyde exchange above a managed temperate mountain grassland. 2013, 13,	4
490	The link between atmospheric radicals and newly formed particles at a spruce forest site in Germany.	2
489	Observation and modelling of HO _x radicals in a boreal forest.	4
488	Dimer esters in $\ensuremath{\mathbb{H}}$ -pinene secondary organic aerosol: effect of hydroxyl radical, ozone, relative humidity and aerosol acidity.	3
487	Impacts of seasonal and regional variability in biogenic VOC emissions on surface ozone in the Pearl River Delta region, China.	2
486	A study of the impact of land-use change in Borneo on atmospheric composition using a global model.	1
485	Secondary aerosol formation from stress-induced biogenic emissions and possible climate feedbacks.	1
484	Dependence of particle nucleation and growth on high molecular weight gas phase products during ozonolysis of \blacksquare -pinene.	5
483	Relating hygroscopicity and optical properties to chemical composition and structure of secondary organic aerosol particles generated from the ozonolysis of ∃-pinene.	4

482	Global dataset of biogenic VOC emissions calculated by the MEGAN model over the last 30 years.	9
481	Secondary Organic Aerosol (SOA) formation from hydroxyl radical oxidation and ozonolysis of monoterpenes.	2
480	Atmospheric amines and ammonia measured with a Chemical Ionization Mass Spectrometer (CIMS).	4
479	Future biogeochemical forcing in Eastern Siberia: cooling or warming?.	1
478	Biomass burning related ozone damage on vegetation over the Amazon forest.	2
477	Overview of the Focused Isoprene eXperiments at California Institute of Technology (FIXCIT): mechanistic chamber studies on the oxidation of biogenic compounds.	2
476	Evaluation of MEGAN-CLM parameter sensitivity to predictions of isoprene emissions from an Amazonian rainforest.	6
475	Receptor modelling of fine particles in Southern England using CMB including comparison with AMS-PMF factors.	2
474	Observations and modeling of air quality trends over 1990â\(\mathbb{Q}\)010 across the Northern Hemisphere: China, the United States and Europe.	6
473	Diel and seasonal changes of Biogenic Volatile Organic Compounds within and above an Amazonian rainforest site.	1
472	Atmospheric oxidation of isoprene and 1,3-butadiene: influence of aerosol acidity and relative humidity on secondary organic aerosol.	2
471	Tropospheric ozone and its precursors from the urban to the global scale from air quality to short-lived climate forcer.	10
470	Influence of corona discharge on the ozone budget in the tropical free troposphere: a case study of deep convection during GABRIEL.	1
469	The AeroCom evaluation and intercomparison of organic aerosol in global models.	11
468	Impacts of climate and emission changes on nitrogen deposition in Europe: a multi-model study.	4
467	Biotic stress accelerates formation of climate-relevant aerosols in boreal forests.	4
466	Multi-model evaluation of short-lived pollutant distributions over East Asia during summer 2008.	6
465	Relative humidity-dependent viscosities of isoprene-derived secondary organic material and atmospheric implications for isoprene-dominant forests.	4

464	Modelled and observed changes in aerosols and surface solar radiation over Europe between 1960 and 2009.	3
463	A comparison of secondary organic aerosol (SOA) yields and composition from ozonolysis of monoterpenes at varying concentrations of NO ₂ .	3
462	The impact of residential combustion emissions on atmospheric aerosol, human health and climate.	4
461	Identification of particulate organosulfates in three megacities at the middle and lower reaches of the Yangtze River.	2
460	Distinguishing the drivers of trends in land carbon fluxes and plant volatile emissions over the past three decades.	1
459	OH reactivity and concentrations of Biogenic Volatile Organic Compounds in a Mediterranean forest of downy oak trees.	1
458	Urban stress-induced biogenic VOC emissions impact secondary aerosol formation in Beijing.	2
457	Isoprene chemistry in pristine and polluted Amazon environments: Eulerian and Lagrangian model frameworks and the strong bearing they have on our understanding of surface ozone and predictions of rainforest exposure to this priority pollutant.	2
456	Characterization of total ecosystem scale biogenic VOC exchange at a Mediterranean oak-hornbeam forest.	2
455	Observation of viscosity transition in ∃-pinene secondary organic aerosol.	4
455 454	Observation of viscosity transition in \square -pinene secondary organic aerosol. Understanding isoprene photo-oxidation using observations and modelling over a subtropical forest in the Southeast US.	1
	Understanding isoprene photo-oxidation using observations and modelling over a subtropical	
454	Understanding isoprene photo-oxidation using observations and modelling over a subtropical forest in the Southeast US. Global biogenic volatile organic compound emissions in the ORCHIDEE and MEGAN models and	1
454 453	Understanding isoprene photo-oxidation using observations and modelling over a subtropical forest in the Southeast US. Global biogenic volatile organic compound emissions in the ORCHIDEE and MEGAN models and sensitivity to key parameters.	3
454 453 452	Understanding isoprene photo-oxidation using observations and modelling over a subtropical forest in the Southeast US. Global biogenic volatile organic compound emissions in the ORCHIDEE and MEGAN models and sensitivity to key parameters. Aerosol source apportionment from 1 year measurements at the CESAR tower at Cabauw, NL. Heterogeneous ice nucleation of viscous secondary organic aerosol produced from ozonolysis of	3
454 453 452 451	Understanding isoprene photo-oxidation using observations and modelling over a subtropical forest in the Southeast US. Global biogenic volatile organic compound emissions in the ORCHIDEE and MEGAN models and sensitivity to key parameters. Aerosol source apportionment from 1 year measurements at the CESAR tower at Cabauw, NL. Heterogeneous ice nucleation of viscous secondary organic aerosol produced from ozonolysis of H-pinene.	1 3 2 2
454 453 452 451 450	Understanding isoprene photo-oxidation using observations and modelling over a subtropical forest in the Southeast US. Global biogenic volatile organic compound emissions in the ORCHIDEE and MEGAN models and sensitivity to key parameters. Aerosol source apportionment from 1 year measurements at the CESAR tower at Cabauw, NL. Heterogeneous ice nucleation of viscous secondary organic aerosol produced from ozonolysis of H-pinene. Seasonal trends in concentrations and fluxes of volatile organic compounds above central London. Atmospheric isoprene ozonolysis: impacts of stabilized Criegee intermediate reactions with	1 3 2 2

446	Particle sized-resolved source apportionment of primary and secondary organic tracer compounds at urban and rural locations in Spain.	5
445	Effect of NO _x level on secondary organic aerosol (SOA) formation from the photooxidation of terpenes.	6
444	Impact of climate change on tropospheric ozone and its global budgets.	6
443	A new chemistry-climate tropospheric and stratospheric model MOCAGE-Climat: evaluation of the present-day climatology and sensitivity to surface processes.	4
442	Global isoprene emissions estimated using MEGAN, ECMWF analyses and a detailed canopy environment model.	4
441	Total Observed Organic Carbon (TOOC): A synthesis of North American observations.	1
440	Ozonolysis of ∃-pinene: parameterization of secondary organic aerosol mass fraction.	2
439	Modelling the global tropospheric ozone budget: exploring the variability in current models.	5
438	Model study of the cross-tropopause transport of biomass burning pollution.	2
437	Isoprene and monoterpene emissions from secondary forest in northern Benin.	2
436	Nitrate aerosols today and in 2030: importance relative to other aerosol species and tropospheric ozone.	1
435	Isoprene and monoterpene fluxes from Central Amazonian rainforest inferred from tower-based and airborne measurements, and implications on the atmospheric chemistry and the local carbon budget.	3
434	The Tropical Forest and fire emissions experiment: overview and airborne fire emission factor measurements.	8
433	Observations of HNO ₃ , AN, PN and NO ₂ fluxes: evidence for rapid HO _x chemistry within a pine forest canopy.	5
432	Development of a secondary organic aerosol formation mechanism: comparison with smog chamber experiments and atmospheric measurements.	2
431	Alkene ozonolysis SOA: inferences of composition and droplet growth kinetics from $K^{}$ filer theory analysis.	13
430	The Response of surface ozone to climate change over the Eastern United States.	3
429	Relating CCN activity, volatility, and droplet growth kinetics of taryophyllene secondary organic aerosol.	5

428	Sources of carbon monoxide and formaldehyde in North America determined from high-resolution atmospheric data.	6
427	Spatial and temporal variation of emission inventories for historical anthropogenic NMVOCs in China.	12
426	Surface and boundary layer exchanges of volatile organic compounds, nitrogen oxides and ozone during the GABRIEL Campaign.	4
425	Airborne observations of total RONO ₂ : new constraints on the yield and lifetime of isoprene nitrates.	2
424	Flux estimates of isoprene, methanol and acetone from airborne PTR-MS measurements over the tropical rainforest during the GABRIEL 2005 campaign.	9
423	Regional-scale modeling of near-ground ozone in the Central East China, source attributions and an assessment of outflow to East Asia âlThe role of regional-scale transport during MTX2006.	3
422	Possible influence of anthropogenic aerosols on cirrus clouds and anthropogenic forcing.	2
421	Mainz Isoprene Mechanism 2 (MIM2): an isoprene oxidation mechanism for regional and global atmospheric modelling.	5
420	The effects of global changes upon regional ozone pollution in the United States.	4
419	Hydroxyl radicals in the tropical troposphere over the Suriname rainforest: comparison of measurements with the box model MECCA.	20
418	Hydroxyl radicals in the tropical troposphere over the Suriname rainforest: airborne measurements.	10
417	Temperature dependence of yields of secondary organic aerosols from the ozonolysis of \blacksquare -pinene and limonene.	5
416	The influence of natural and anthropogenic secondary sources on the glyoxal global distribution.	7
415	Evaluating the performance of pyrogenic and biogenic emission inventories against one decade of space-based formaldehyde columns.	5
414	Impacts of climate change on air pollution levels in the Northern Hemisphere with special focus on Europe and the Arctic.	2
413	The CO ₂ inhibition of terrestrial isoprene emission significantly affects future ozone projections.	2
412	Satellite measurement based estimates of decadal changes in European nitrogen oxides emissions.	2

410	BVOC ecosystem flux measurements at a high latitude wetland site.	6
409	Mixing ratios and eddy covariance flux measurements of volatile organic compounds from an urban canopy (Manchester, UK).	3
408	Secondary organic aerosol (SOA) formation from reaction of isoprene with nitrate radicals (NO ₃).	7
407	Carbon monoxide observations from ground stations in France and Europe and long trends in the free troposphere.	9
406	Improved simulation of isoprene oxidation chemistry with the ECHAM5/MESSy chemistry-climate model: lessons from the GABRIEL airborne field campaign.	5
405	Why are estimates of global isoprene emissions so similar (and why is this not so for monoterpenes)?.	1
404	Twelve years of global observation of formaldehyde in the troposphere using GOME and SCIAMACHY sensors.	5
403	Technical Note: Quantitative long-term measurements of VOC concentrations by PTR-MS âlmeasurement, calibration, and volume mixing ratio calculation methods.	4
402	CCN activity and droplet growth kinetics of fresh and aged monoterpene secondary organic aerosol.	5
401	MATRIX (Multiconfiguration Aerosol TRacker of mIXing state): an aerosol microphysical module for global atmospheric models.	1
400	The formation of secondary organic aerosol from the isoprene + OH reaction in the absence of NO _x .	2
399	The influence of biogenic emissions from Africa on tropical tropospheric ozone during 2006: a global modeling study.	2
398	Atmospheric aerosols in the earth system: a review of interactions and feedbacks.	13
397	Quantifying atmospheric nitrate formation pathways based on a global model of the oxygen isotopic composition (¹⁷ O) of atmospheric nitrate.	3
396	Two years of Ozone radio soundings over Cotonou as part of AMMA: overview.	2
395	Modeling organic aerosols during MILAGRO: application of the CHIMERE model and importance of biogenic secondary organic aerosols.	7
394	Impact of nucleation on global CCN.	4
393	The continental source of glyoxal estimated by the synergistic use of spaceborne measurements and inverse modelling.	2

392	Ground-based FTIR and MAX-DOAS observations of formal dehyde at $\mbox{R}^{}$ union Island and comparisons with satellite and model data.	1
391	Summertime contributions of isoprene, monoterpenes, and sesquiterpene oxidation to the formation of secondary organic aerosol in the troposphere over Mt. Tai, Central East China during MTX2006.	15
390	Measurements of OH and HO ₂ yields from the gas phase ozonolysis of isoprene.	3
389	Simulating atmospheric composition over a South-East Asian tropical rainforest: Performance of a chemistry box model.	1
388	Modelling surface ozone during the 2003 heat wave in the UK.	3
387	What caused extreme ozone concentrations over Cotonou in December 2005?.	4
386	Impact of open crop residual burning on air quality over Central Eastern China during the Mount Tai Experiment 2006 (MTX2006).	7
385	Turbulent exchange and segregation of HO _x radicals and volatile organic compounds above a deciduous forest.	1
384	Secondary Organic Aerosol from biogenic VOCs over West Africa during AMMA.	1
383	Process-based modelling of biogenic monoterpene emissions: sensitivity to temperature and light.	3
382	Can a global model chemical mechanism reproduce NO, NO ₂ , and O ₃ measurements above a tropical rainforest?.	7
381	The formation, properties and impact of secondary organic aerosol: current and emerging issues.	24
380	Effects of boundary layer particle formation on cloud droplet number and changes in cloud albedo from 1850 to 2000.	2
379	Process based inventory of isoprenoid emissions from European forests: model comparisons, current knowledge and uncertainties.	9
378	What can we learn about ship emission inventories from measurements of air pollutants over the Mediterranean Sea?.	4
377	Quantitative long-term measurements of VOC concentrations by PTR-MS: annual cycle at a boreal forest site.	15
376	Isoprene oxidation by nitrate radical: alkyl nitrate and secondary organic aerosol yields.	5
375	Optimisation of a thermal desorptionagas chromatographyamass spectrometry method for the analysis of monoterpenes, sesquiterpenes and diterpenes. 2020 , 13, 3543-3560	7

374	An improved TROPOMI tropospheric HCHO retrieval over China. 2020 , 13, 6271-6292	17
373	A new aerosol collector for on-line analysis of particulate organic matter: the Aerosol Collection Module (ACM).	1
372	An improved glyoxal retrieval from OMI measurements.	3
371	OH reactivity from the emissions of different tree species: investigating the missing reactivity in a boreal forest. 2020 , 17, 4681-4705	2
370	Biogenic volatile organic compound ambient mixing ratios and emission rates in the Alaskan Arctic tundra 2020 , 17, 6219-6236	6
369	Gap-filling strategies for annual VOC flux data sets. 2013 , 10,	4
368	Chemical sensing of plant stress at the ecosystem scale.	2
367	A new European plant-specific emission inventory of biogenic volatile organic compounds for use in atmospheric transport models.	1
366	Concentrations and fluxes of biogenic volatile organic compounds above a Mediterranean macchia ecosystem in Western Italy.	4
365	From biota to chemistry and climate: towards a comprehensive description of trace gas exchange between the biosphere and atmosphere.	6
364	European emissions of isoprene and monoterpenes from the Last Glacial Maximum to present.	1
363	The emission factor of volatile isoprenoids: caveats, model algorithms, response shapes and scaling.	2
362	The emission factor of volatile isoprenoids: stress, acclimation, and developmental responses.	3
361	Chemical composition of volatile and extractive compounds of pine and spruce leaf litter in the initial stages of decomposition.	3
360	Carbon allocation to biomass production of leaves, fruits and woody organs at seasonal and annual scale in a deciduous- and evergreen temperate forest.	4
359	Long term BVOC fluxes above mountain grassland.	2
358	Estimation of isoprenoid emission factors from enclosure studies: measurements, data processing, quality and standardized measurement protocols.	4
357	Leaf level emissions of volatile organic compounds (VOC) from some Amazonian and Mediterranean plants.	2

356	Global aerosol simulations using NICAM.16 on a 14 km grid spacing for a climate study: improved and remaining issues relative to a lower-resolution model. 2020 , 13, 3731-3768	3
355	Description and evaluation of aerosol in UKESM1 and HadGEM3-GC3.1 CMIP6 historical simulations. 2020 , 13, 6383-6423	27
354	Description and evaluation of GLOMAP-mode: a modal global aerosol microphysics model for the UKCA composition-climate model.	7
353	A multi-layer land surface energy budget model for implicit coupling with global atmospheric simulations.	5
352	Gaseous chemistry and aerosol mechanism developments for version 3.5.1 of the online regional model, WRF-Chem.	2
351	Modelling the dispersion of particle numbers in five European cities.	Ο
350	Earth System Chemistry Integrated Modelling (ESCiMo) with the Modular Earth Submodel System (MESSy, version 2.51).	6
349	A Study on the Isoprene Emissioin Rates from Deciduous Tree(Quercus Mongolica Fischer). 2007 , 16, 269-275	3
348	A study on Emission Rates of VOCs from Conifers at Jeju Island. 2010 , 19, 627-637	6
347	Characterization of Volatile Organic Compounds(VOCs) Concentrations in Jinju. 2013 , 22, 91-98	2
346	A Study on the Estimation of BVOCs Emission in Jeju Island (2): Emission Characteristic and Situation. 2015 , 24, 207-219	3
345	Estimation of Biogenic Emissions over South Korea and Its Evaluation Using Air Quality Simulations. 2008 , 24, 423-438	6
344	Variations of BVOCs Emission Characteristics according to Increasing PAR. 2012 , 28, 77-85	5
343	Review of Recent Smog Chamber Studies for Secondary Organic Aerosol. 2016 , 32, 131-157	4
342	Significance of the organic aerosol driven climate feedback in the boreal area. 2021 , 12, 5637	5
341	Peroxy Radical Processes and Product Formation in the OH Radical-Initiated Oxidation of ⊞-Pinene for Near-Atmospheric Conditions. 2021 , 125, 9151-9160	4
340	Photolytically induced changes in composition and volatility of biogenic secondary organic aerosol from nitrate radical oxidation during night-to-day transition. 2021 , 21, 14907-14925	3
339	Characterization of ambient volatile organic compounds, source apportionment, and the ozoneâNO_xâNOC sensitivities in a heavily polluted megacity of central China: effect of sporting events and emission reductions. 2021 , 21, 15239-15257	6

(2004-2021)

338	Modeling sensitivities of BVOCs to different versions of MEGAN emission schemes in WRF-Chem (v3.6) and its impacts over eastern China. 2021 , 14, 6155-6175	3
337	Measurement report: Variability in the composition of biogenic volatile organic compounds in a Southeastern US forest and their role in atmospheric reactivity. 2021 , 21, 15755-15770	1
336	Molecular Chirality and Cloud Activation Potentials of Dimeric ⊞-Pinene Oxidation Products. 2021 , 143, 16653-16662	O
335	A new index to assess the air quality impact of urban tree plantation. 2021 , 40, 100995	O
334	Impact of land cover on air pollution at different spatial scales in the vicinity of metropolitan areas. 2021 , 132, 108313	1
333	Source apportionment of volatile organic compounds, CO, SO2 and trace metals in a complex urban atmosphere. 2021 , 6, 100127	O
332	Umwandlung von Spurenstoffen und ihre Auswirkungen auf die Atmosph [*] Ee. 2000 , 195-382	
331	Impact of the Great China Fire of 1987 on the Tropospheric Chemistry of East Asia. 2000 , 249-258	
330	Emissionen von Spurenstoffen. 2000 , 61-194	
329	VOC: Volatile Organic Compounds. 2000 , 241-261	
328	Organic Aerosols: Origin, Composition and Influence on Tropospheric Processes. 2001 , 132-142	
327	Biogenic Emission Modelling on a Regional Scale: Some Recent Improvements. 2001 , 203-209	
326	PRODUCTS OF THE GAS-PHASE REACTION OF O3 WITH ⊞-PINENE. 2001 , 32, 509-510	
325	∃-PINENE OXIDATION AND AEROSOLS: MECHANISM DEVELOPMENT. 2001 , 32, 261-262	
324	DEVELOPMENT OF DETAILED DEGRADATION MECHANISMS FOR THE GENERATION OF SOA FROM MONOTERPENES AND THEIR DERIVATIVES. 2001 , 32, 905-906	
324 323		
	MONOTERPENES AND THEIR DERIVATIVES. 2001 , 32, 905-906	

Data Assimilation and Inverse Methods. **2004**, 477-515

319	Emission Models and Tools. 2004 , 279-335	
318	Isoprenoid Metabolism. 2004 , 625-628	
317	Exchange of Trace Gases Between Crops and the Atmosphere. 2004 , 425-428	
316	Effects of temperature and light intensity on isoprene emission of Edgeworthia chrysantha. 2005 , 61, 113-122	4
315	Ambient sesquiterpene concentration and its link to air ion measurements.	1
314	Aerosol Formation from Isoprene: Determination of Particle Nucleation and Growth Rates. 2007, 989-993	
313	Characterization of Sesquiterpene Secondary Organic Aerosol: Thermodynamic Properties, Aging Characteristics, CCN Activity, and Droplet Growth Kinetic Analysis. 2007 , 1195-1199	1
312	EFFECTS OF INCREASED URBAN TEMPERATURE ON THE CONCENTRATION OF PHOTOCHEMICAL OXIDANTS. 2007 , 72, 89-96	
311	CCN Properties of Water-soluble Organic Compounds Produced by Common Bioaerosols. 2007 , 1224-1229	
310	Simulating organic species with the global atmospheric chemistry general circulation model ECHAM5/MESSy1: a comparison of model results with observations.	1
309	Hydrocarbon fluxes above a Scots pine forest canopy: Measurements and modeling.	1
308	Spatial and temporal variability of net ecosystem production in a tropical forest: testing the hypothesis of a significant carbon sink. 2007 , 070621084512022-???	
307	Assessment of high to low frequency variations of isoprene emission rates using a neural network approach.	O
306	Investigating the sources and atmospheric processing of fine particles from Asia and the Northwestern United States measured during INTEX B.	
305	The effect of temperature and water on secondary organic aerosol formation from ozonolysis of limonene, \Box carene and \Box -pinene.	1
304	Organic nitrate and secondary organic aerosol yield from NO ₃ oxidation of <i></i> -pinene evaluated using a gas-phase kinetics/aerosol partitioning model.	0
303	SCIAMACHY formaldehyde observations: constraint for isoprene emissions over Europe?.	1

302	Leaf isoprene emission in a subarctic wetland sedge community.	1
301	The ACCENT-VOCBAS field campaign on biosphere-atmosphere interactions in a Mediterranean ecosystem of Castelporziano (Rome): site characteristics, climatic and meteorological conditions, and eco-physiology of vegetation.	4
300	Response of Plants against various infomations.âRole of semiochemicalsâ[]2009, 40, 140-151	
299	Formation of secondary organic aerosol from isoprene oxidation over Europe.	
298	Ambient new particle formation parameter indicates potential rise in future events.	
297	Photodegradation of secondary organic aerosol generated from limonene oxidation by ozone studied with chemical ionization mass spectrometry.	
296	Reactive oxidation products promote secondary organic aerosol formation from green leaf volatiles.	
295	Interannual variability in hindcasts of atmospheric chemistry: the role of meteorology.	
294	Ozone budget in the West African lower troposphere during the AMMA (African Monsoon Multidisciplinary Analysis) campaign.	
293	Influence of meteorological variability on interannual variations of the springtime boundary layer ozone over Japan during 1981â2005.	
292	New particle formation from the oxidation of direct emissions of pine seedlings.	1
291	Mountain birch âিpotentially large source of sesquiterpenes into high latitude atmosphere.	
290	Process-based simulation of seasonality and drought stress in monoterpene emission models.	
289	Oxidant and particle photochemical processes above a south-east Asian tropical rain forest (the OP3 project): introduction, rationale, location characteristics and tools.	
288	Chirality and origin of atmospheric humic-like substances.	
287	Emissions and ambient distributions of Biogenic Volatile Organic Compounds (BVOC) in a Ponderosa pine ecosystem: interpretation of PTR-MS mass spectra.	
286	Sensitivity of isoprene emission estimates to the time resolution of input climate data.	
285	Optimal estimation of the surface fluxes of methyl chloride using a 3-D global chemical transport model.	1

284	Explaining global surface aerosol number concentrations in terms of primary emissions and particle formation.	4
283	Aromas of forests as one of the effects of forest therapy. 2010 , 41, 188-196	
282	Observed and simulated global distribution and budget of atmospheric C ₂ âft ₅ alkanes.	
281	Lag time determination in DEC measurements with PTR-MS.	1
280	Impact of Manaus City on the Amazon Green Ocean atmosphere: ozone production, precursor sensitivity and aerosol load.	1
279	Assessing Ground-Level Ozone (O3) Impacts to Crops in Parts of Asia and Southern Africa. 2010 , 421-445	1
278	New trajectory driven aerosol and chemical process model: chemical and aerosol Lagrangian model (CALM).	
277	Volatile organic compound emissions from <i>Larrea tridentata</i> (creosotebush).	1
276	Modelling day-time concentrations of biogenic volatile organic compounds in a boreal forest canopy.	
275	Quantitative and enantioselective analysis of monoterpenes from plant chambers and in ambient air using SPME.	
274	The Chemistry of Atmosphere-Forest Exchange (CAFE) Model âlPart 1: Model description and characterization.	
273	The Chemistry of Atmosphere-Forest Exchange (CAFE) Model âlPart 2: Application to BEARPEX-2007 observations.	
272	Measurements of volatile organic compounds at a suburban ground site (T1) in Mexico City during the MILAGRO 2006 campaign: measurement comparison, emission ratios, and source attribution.	
271	North American isoprene influence on intercontinental ozone pollution.	1
270	Atmospheric degradation of 3-methylfuran: kinetic and products study.	
269	Emissions of isoprenoids and oxygenated biogenic volatile organic compounds from a New England mixed forest.	
268	Understanding evolution of product composition and volatility distribution through in situ GC ^ IGC analysis: a case study of longifolene ozonolysis.	
267	Estimating the influence of the secondary organic aerosols on present climate using ECHAM5-HAM.	2

266	Simulation of the Sensitivity of Rural Tropospheric Ozone Levels to BVOCs Emissions over a European Atlantic Coastal Region (Galicia, NW of Spain). 2011 , 407-410	1
265	Simulated effects of changes in direct and diffuse radiation on canopy scale isoprene emissions from vegetation following volcanic eruptions.	
264	Isoprene suppression of new particle formation in mixed deciduous forest.	1
263	Primary versus secondary contributions to particle number concentrations in the European boundary layer.	
262	Spatial Analysis of Major Atmospheric Aerosol Species Using Earth Observing Satellite Data. 2011 , 14, 109-127	1
261	Changes in monoterpene mixing ratios during summer storms in rural New Hampshire (USA).	
260	Influence of the North Atlantic Oscillation on air pollution transport.	
259	Impact of the isoprene photochemical cascade on tropical ozone.	1
258	Global mechanistic model of SOA formation: effects of different chemical mechanisms.	1
257	Enhancement and depletion of lower/middle tropospheric ozone in Senegal during pre-monsoon and monsoon periods of summer 2008: observations and model results.	
256	Effect of chemical degradation on fluxes of reactive compounds.	
255	Development and chamber evaluation of the MCM v3.2 degradation scheme for 毗aryophyllene.	1
254	BVOCs emission in a semi-arid grassland under climate warming and nitrogen deposition.	
253	Brightening of the global cloud field by nitric acid and the associated radiative forcing.	
252	DOAS measurements of formaldehyde and glyoxal above a South-East Asian tropical rainforest.	1
251	The formaldehyde budget as seen by a global-scale multi-constraint and multi-species inversion system.	
250	Urban Trees and Ozone Formation: A Consideration for Large-Scale Plantings.	2
249	Physical and chemical properties of the regional mixed layer of Mexico's Megapolis âlPart 2: Evaluation of measured and modeled trace gases and particle size distributions.	

248	Are sesquiterpenes a good source of secondary organic cloud condensation nuclei (CCN)? Revisiting <i></i> -caryophyllene CCN.	0
247	A survey of carbon monoxide and non-methane hydrocarbons in the Arctic Ocean during summer 2010: assessment of the role of phytoplankton.	
246	∃-pinene photooxidation under controlled chemical conditions âlPart 2: SOA yield and composition in low- and high-NO _x environments.	
245	In-canopy gas-phase chemistry during CABINEX 2009: sensitivity of a 1-D canopy model to vertical mixing and isoprene chemistry.	2
244	A Study on Emission Rate of BVOCs from Broad-leaved Trees at Jeju Island. 2012, 21, 713-724	3
243	Ozone stress as a driving force of sesquiterpene emissions: a suggested parameterization.	O
242	A novel approach to emission modelling of biogenic volatile organic compounds in Europe: improved seasonality and land-cover.	
241	Distributions and climate effects of atmospheric aerosols from the preindustrial era to 2100 along Representative Concentration Pathways (RCPs) simulated using a global aerosol model SPRINTARS.	
240	CCN activity and volatility of taryophyllene secondary organic aerosol.	
239	The relative importance of impacts from climate change vs. emissions change on air pollution levels in the 21st century.	2
238	Biogenic volatile organic compound emissions during BEARPEX 2009 measured by eddy covariance and flux-gradient similarity methods.	1
237	The Atmospheric Chemistry and Canopy Exchange Simulation System (ACCESS): model description and application to a temperate deciduous forest canopy.	1
236	A Preliminary Flux Study for CO2and Biogenic VOCs in a Forest. 2012 , 28, 485-494	1
235	Seasonal measurements of total OH reactivity fluxes, total ozone loss rates and missing emissions from Norway spruce in 2011.	
234	Quantifying the uncertainty in simulating global tropospheric composition due to the variability in global emission estimates of Biogenic Volatile Organic Compounds.	
233	Dynamics of nitrogen oxides and ozone above and within a mixed hardwood forest in Northern Michigan.	
232	Validation of an hourly resolved global aerosol model in answer to solar electricity generation information needs.	
231	Evaluaci^ In preliminar de la temperatura media en superficie del Ecuador para el a^ –o 2010, obtenida mediante el modelo Weather Research Forecasting (WRF). 2012 , 4,	

Modeling organic aerosol from the oxidation of ∃-pinene in a Potential Aerosol Mass (PAM) 230 chamber. GLOMAP-Mode Overview. 2013, 31-43 229 OH reactivity in a South East Asian Tropical rainforest during the Oxidant and Particle 228 \circ Photochemical Processes (OP3) project. Projected effect of 2000â2050 changes in climate and emissions on aerosol levels in China and 227 associated transboundary transport. Semi-empirical parameterization of size-dependent atmospheric nanoparticle growth in 226 1 continental environments. Terpenoid emissions from fully grown East Siberian <i>Larix cajanderi</i> trees. 225 The balances of mixing ratios and segregation intensity: a case study from the field (ECHO 2003). 224 A smog chamber comparison of a microfluidic derivatization measurement of gas-phase glyoxal 223 and methylglyoxal with other analytical techniques. Projected effects of declining aerosols in RCP4.5: unmasking global warming?. 222 Photosynthesis-dependent isoprene emission from leaf to planet in a global carbonâthemistryâtlimate model. Spatial distributions and seasonal cycles of aerosol climate effects in India seen in global 220 climate-aerosol model. Factors controlling variability in the oxidative capacity of the troposphere since the Last Glacial 219 Maximum. Aircraft measurements of polar organic tracer compounds in tropospheric particles 218 (PM<sub>10</sub>) over Central China. Laboratory and field measurements of enantiomeric monoterpene emissions as a function of 217 chemotype, light and temperature. New foliage growth is a significant, unaccounted source for volatiles in boreal evergreen forests. 216 From emissions to ambient mixing ratios: on-line seasonal field measurements of volatile organic 215 compounds over a Norway spruce dominated forest in central Germany. Comparing three vegetation monoterpene emission models to measured gas concentrations with a 214 model of meteorology, air chemistry and chemical transport. A novel Fast Gas Chromatography based technique for higher time resolution measurements of 213 speciated monoterpenes in air.

212	PTR-MS in the Environmental Sciences. 129-219	
211	Secondary organic aerosol formation and composition from the photo-oxidation of methyl chavicol (estragole).	
210	Concentrations and fluxes of isoprene and oxygenated VOCs at a French Mediterranean oak forest.	1
209	Model Description. 2014 , 35-52	
208	The Impact of Biogenic SOA on Particle and Cloud Condensation Nuclei Concentration. 2014 , 53-73	
207	Introduction. 2014 , 1-34	
206	The Radiative Effects of Deforestation. 2014 , 107-123	
205	Uptake and emission of VOCs near ground level below a mixed forest at Borden, Ontario.	
204	Improved model of isoprene emissions in Africa using OMI satellite observations of formaldehyde: implications for oxidants and particulate matter.	
203	Biatex Publications: 1988â 1 995. 1997 , 487-520	
202	A global process-based study of marine CCN trends and variability.	
201	Crops and the Atmosphere: Trace Gas Exchanges. 2014 , 1001-1004	
2 00	Impacts of soil moisture on de-novo monoterpene emissions from European beech, Holm oak, Scots pine, and Norway spruce.	
199	Impacts of simulated herbivory on VOC emission profiles from coniferous plants.	1
198	Aging of secondary organic aerosol generated from the ozonolysis of $\ensuremath{\exists}$ -pinene: effects of ozone, light and temperature.	
197	Modelling the contribution of biogenic VOCs to new particle formation in the J $^{\circ}$ lich plant atmosphere chamber.	1
196	A Study on the Estimation of BVOCs Emission in Jeju Island (1). 2014 , 23, 2057-2069	2
195	Biogenic Volatile Organic Compound Emissions. 2015 , 47-57	

194	Evaluation of a regional chemistry transport model using a newly developed regional OMI NO ₂ retrieval.	
193	An ecosystem-scale perspective of the net land methanol flux: synthesis of micrometeorological flux measurements. 2015 , 15, 2577-2613	4
192	Impact of gas-to-particle partitioning approaches on the simulated radiative effects of biogenic secondary organic aerosol.	
191	Reassessing the ratio of glyoxal to formaldehyde as an indicator of hydrocarbon precursor speciation.	
190	Seasonal variation of secondary organic aerosol in Nam Co, Central Tibetan Plateau.	2
189	Relationships between photosynthesis and formaldehyde as a probe of isoprene emission.	
188	The influences of mass loading and rapid dilution of secondary organic aerosol on particle volatility.	
187	Sources of long-lived atmospheric VOCs at the rural boreal forest site, SMEAR II.	
186	Modeling organic aerosol composition at the puy de Dˆ fine mountain (France) for two contrasted air masses with the WRF-Chem model.	1
185	Annual cycle of volatile organic compound exchange between a boreal pine forest and the atmosphere.	
184	FORest canopy atmosphere transfer (FORCAsT) 1.0: a 1-D model of biosphereâltmosphere chemical exchange.	
183	What do correlations tell us about anthropogenicâBiogenic interactions and SOA formation in the Sacramento Plume during CARES?.	
182	Canopy-scale flux measurements and bottom-up emission estimates of volatile organic compounds from a mixed oak and hornbeam forest in northern Italy.	1
181	Future vegetationadlimate interactions in Eastern Siberia: an assessment of the competing effects of CO ₂ and secondary organic aerosols.	
180	SOA formation from the photooxidation of $\ensuremath{\exists}$ -pinene: systematic exploration of the simulation of chamber data.	
179	Phase, composition and growth mechanism for secondary organic aerosol from the ozonolysis of \Box -cedrene.	1
178	On the Limits to Manage Air-Quality in Glacier Bay. 2016 , 07, 1923-1955	2
177	Development of Primary Standard Gas Mixtures for Monitoring Monoterpenes (∃-pinene, 3-carene, R-(+)-limonene, 1,8-cineole) Ambient Levels (at 2 nmol/mol). 2016 , 32, 320-328	1

176	An Experimental Study of the Atmospheric Oxidation of a Biogenic Organic Compound (Methyl Jasmonate) in a Thin Water Film as in Fog or Aerosols. 2017 , 06, 44-51	1
175	Primary Study on Calculating Method of Photosynthetically Radiation at Shenzhen. 2018 , 08, 837-844	
174	Analytical studies to tracing the effects of ozone chemicals on an existing water treatment plant. 2018 , 3,	
173	A Comparative Study on the Terpene Retention Volume from Chamaecyparis obtusa by Difference of the Sampling Methods. 2018 , 22, 1-9	
172	A Study on the Utilization of Air Quality Model to Establish Efficient Air Policies: Focusing on the Improvement Effect of PM2.5 in Chungcheongnam-do due to Coal-fired Power Plants Shutdown. 2018 , 34, 687-696	2
171	S^ fitese de ^ [kidos mistos AMn2O4 (A=Co, Cu e Ni) preparados por autocombust^ fi para controle de emiss^ fis de compostos org^ fiicos vol^ fieis. 2019 , 24,	
170	Analysis of Properties of Lipophilic Gel Integrated with Grafted Crosslinker for Absorbing VOCs. 2019 , 35, 27-35	
169	Current Status and Future Directions of Tropospheric Photochemical Ozone Studies in Korea. 2020 , 36, 419-441	1
168	Simultaneous leaf-level measurement of trace gas emissions and photosynthesis with a portable photosynthesis system. 2020 , 13, 4123-4139	1
167	Isoprene Mixing Ratios Measured at Twenty Sites in China During 2012â2014: Comparison With Model Simulation. 2020 , 125, e2020JD033523	3
166	Multi-factor reconciliation of discrepancies in ozone-precursor sensitivity retrieved from observation- and emission-based models. 2021 , 158, 106952	1
165	Application of Plant Volatile Organic Compounds (VOCs) in Agriculture. 2020 , 369-388	O
164	Tropospheric Ozone and Biogenic Emissions in the Czech Republic. 2008 , 693-694	
163	Composition And Chemistry Of Tropospheric Secondary Organic Aerosols: State Of The Art. 2008 , 135-148	
162	How Reliable Are Emission Inventories? Field Observations Versus Emission Predictions For Nmvocs. 2008 , 201-217	
161	Liquidâllquid phase separation and morphologies in organic particles consisting of <i>日</i> -pinene and <i></i> -caryophyllene ozonolysis products and mixtures with commercially available organic compounds. 2020 , 20, 11263-11273	3
160	Surface ozone interannual variability, trends, and extremes in CCMI models. 2022 , 269, 118841	1
159	Molecular Composition of Oxygenated Organic Molecules and Their Contributions to Organic Aerosol in Beijing. 2021 ,	3

158	Ozone control strategies for local formation- and regional transport-dominant scenarios in a manufacturing city in southern China. 2021 , 151883	O
157	Transport-driven aerosol differences above and below the canopy of a mixed deciduous forest. 2021 , 21, 17031-17050	
156	A Modeling Study of the Influence of Biogenic Emissions on Ozone Concentration in a Mediterranean City. 2021 , 301-306	
155	Seasonal Variations of Vocs in Houston: Source Apportionment and Spatial Distribution of Source Origins in Summertime and Wintertime.	
154	Versatile soil gas concentration and isotope monitoring: optimization and integration of novel soil gas probes with online trace gas detection. 2022 , 19, 165-185	
153	Key challenges for tropospheric chemistry in the Southern Hemisphere. 2022 , 10,	1
152	The apparent surface free energy of rare earth oxides is governed by hydrocarbon adsorption 2022 , 25, 103691	3
151	Soil dust as a potential bridge from biogenic volatile organic compounds to secondary organic aerosol in a rural environment 2022 , 298, 118840	1
150	Atmospheric Chemistry and Climate in the Anthropocene: Where Are We Heading? (2004). 2021, 47-74	O
149	Multiple site ground-based evaluation of carbonaceous aerosol mass concentrations retrieved from CAMS and MERRA-2 over the Indo-Gangetic Plain. 2021 , 1, 577-590	3
148	Regional heterogeneities in the emission of airborne primary sugar compounds and biogenic secondary organic aerosols in the East Asian outflow: evidence for coal combustion as a source of levoglucosan. 2022 , 22, 1373-1393	O
147	Plant hormone profile and control over isoprene biosynthesis in a tropical tree Ficus septica 2022,	
146	Design and characterization of a semi-open dynamic chamber for measuring biogenic volatile organic compound (BVOC) emissions from plants. 2022 , 15, 79-93	O
145	Comparison of saturation vapor pressures of <i>\ </i>-pinene + O₃ oxidation products derived from COSMO-RS computations and thermal desorption experiments. 2022 , 22, 1195-1208	1
144	Biogenic volatile organic compound emission patterns and secondary pollutant formation potentials of dominant greening trees in Chengdu, southwest China 2022 , 114, 179-193	O
143	High-resolution biogenic global emission inventory for the time period 2000â2019 for air quality modelling. 2022 , 14, 251-270	2
142	Description and evaluation of a secondary organic aerosol and new particle formation scheme within TM5-MP v1.2. 2022 , 15, 683-713	0
141	Natural Emissions to Atmosphere: Biogenic Emissions in the Citrus Plantations of Western Cuba. 2022 , 123-136	

140	Seasonality of isoprene emissions and oxidation products above the remote Amazon.	O
139	A review of secondary organic aerosols formation focusing on organosulfates and organic nitrates 2022 , 430, 128406	2
138	Effect of Atmospheric Aging on Soot Particle Toxicity in Lung Cell Models at the Air-Liquid Interface: Differential Toxicological Impacts of Biogenic and Anthropogenic Secondary Organic Aerosols (SOAs) 2022 , 130, 27003	8
137	Experimental and Theoretical Studies of Trans-2-Pentenal Atmospheric Ozonolysis. 2022 , 13, 291	
136	Isoprene in urban Atlantic forests: Variability, origin, and implications on the air quality of a subtropical megacity 2022 , 153728	0
135	Urban net primary production: Concepts, field methods, and Baltimore, Maryland, USA case study 2022 , e2562	1
134	Land surface processes in climate models. 395-417	1
133	Development and Assessment of a High-Resolution Biogenic Emission Inventory from Urban Green Spaces in China 2021 ,	8
132	Changes in Ozone Chemical Sensitivity in the United States from 2007 to 2016.	2
131	Tropical and Boreal Forest âlʿAtmosphere Interactions: A Review. 2022 , 74, 24-163	1
130	Chemical composition and sources of organic aerosol on the Adriatic coast in Croatia. 2022, 13, 100159	
129	Impact of heat stress on foliar biogenic volatile organic compound emission and gene expression in tomato (Solanum lycopersicum) seedlings. 2022 , 10,	
128	Vacuum ultraviolet free-electron laser photoionization mass spectrometry of alpha-pinene ozonolysis.	
127	Interannual Relationship between Haze Days in Decemberâ[January and Satellite-Based Leaf Area Index in AugustâBeptember over Central North China. 2022 , 14, 884	
126	Enhanced summertime ozone and SOA from biogenic volatile organic compound (BVOC) emissions due to vegetation biomass variability during 1981â\(\mathbb{Q}\)018 in China. 2022 , 22, 2351-2364	2
125	Calcium and jasmonate signals mediate biosynthesis of the floral fragrance regulated by light quality in snapdragon. 1	О
124	Effects of light on the emissions of biogenic isoprene and monoterpenes: A review. 2022 , 101397	О
123	Observational Insights into Isoprene Secondary Organic Aerosol Formation through the Epoxide Pathway at Three Urban Sites from Northern to Southern China 2022 ,	O

122	Emission of volatile organic compounds by plants on the floor of boreal and mid-latitude forests. 1	О
121	Secondary organic aerosol formation from camphene oxidation: measurements and modeling. 2022 , 22, 3131-3147	O
120	Photoinduced Associative Ionization Time-of-Flight Mass Spectrometry for the Sensitive Determination of Monoterpenes. 1-15	0
119	Changes in anthropogenic precursor emissions drive shifts in the ozone seasonal cycle throughout the northern midlatitude troposphere. 2022 , 22, 3507-3524	O
118	Formation of secondary organic aerosols from anthropogenic precursors in laboratory studies. 2022 , 5,	2
117	Influence of seasonal variability on source characteristics of VOCs at Houston industrial area. 2022 , 277, 119077	o
116	New evidence for the importance of non-stomatal pathways in ozone deposition during extreme heat and dry anomalies.	2
115	Assessment of background ozone concentrations in China and implications for using region-specific volatile organic compounds emission abatement to mitigate air pollution 2022 , 119254	
114	Simulation of Isoprene Emission with Satellite Microwave Emissivity Difference Vegetation Index as Water Stress Factor in Southeastern China during 2008. 2022 , 14, 1740	
113	Synergistic effects of biogenic volatile organic compounds and soil nitric oxide emissions on summertime ozone formation in China 2022 , 154218	
112	The pinene scaffold: its occurrence, chemistry, synthetic utility, and pharmacological importance 2022 , 12, 11346-11375	1
111	A quantitative structure activity relationship (QSAR) model for predicting the rate constant of the reaction between VOCs and NO3 radicals. 2022 , 136413	O
110	Diurnal Variations of Isoprene, Monoterpenes, and Toluene Oxidation Products in Aerosols at a Rural Site of Guanzhong Plain, Northwest China. 2022 , 13, 634	
109	Table_1.DOCX. 2020 ,	
108	Table_1.DOCX. 2018 ,	
107	Data_Sheet_2.CSV. 2019 ,	
106	Data_Sheet_3.CSV. 2019 ,	
105	Data_Sheet_4.pdf. 2019 ,	

104	Assessment of Air Quality and Meteorological Changes Induced by Future Vegetation in Madrid. 2022 , 13, 690	2
103	Oxidation product characterization from ozonolysis of the diterpene & amp;lt;i>ent</i>-kaurene. 2022 , 22, 5619-5637	O
102	Leaf-level metabolic changes in response to drought affect daytime CO2 emission and isoprenoid synthesis.	
101	Rate constant and mechanism of the OH-initiated degradation of 3-penten-2-one in the atmosphere. 2022 , 1213, 113737	
100	State of science in carbon budget assessments for temperate forests and grasslands. 2022 , 237-270	
99	An experimental study of the reactivity of terpinolene and & amp;lt;i></i>-caryophyllene with the nitrate radical. 2022 , 22, 6411-6434	
98	Spatial and Temporal Analysis of Hcho Response to Drought in South Korea.	
97	An Overview of the Isoprenoid Emissions From Tropical Plant Species. 2022 , 13,	O
96	Source and variability of formaldehyde (HCHO) at northern high latitudes: an integrated satellite, aircraft, and model study. 2022 , 22, 7163-7178	1
95	Characteristics of biogenic volatile organic compounds emitted from major species of street trees and urban forests. 2022 , 13, 101470	1
94	Sperm flow cytometric parameters, antioxidant status, and testicular histomorphology in roosters fed diets supplemented with camphor. 2022 , 102014	
93	Biogenic Volatile Organic Compounds and Protein Expressions of Chamaecyparis formosensis and Chamaecyparis obtusa var. formosana Leaves under Different Light Intensities and Temperatures. 2022 , 11, 1535	
92	Pathogenic Mechanisms of Secondary Organic Aerosols.	1
91	Exposure to naphthalene and pinene-derived secondary organic aerosol induced divergent changes in transcript levels of BEAS-2B cells. 2022 , 166, 107366	3
90	Aerosol mass spectrometry of neutral species based on a tunable vacuum ultraviolet free electron laser. 2022 , 24, 16484-16492	О
89	A floating chamber system for VOC sea-to-air flux measurement near the sea surface. 2022 , 194,	
88	MethanolâA Poor Biosignature Gas in Exoplanet Atmospheres. 2022 , 933, 6	О
87	Atmospheric Formaldehyde Monitored by TROPOMI Satellite Instrument throughout 2020 over S^ B Paulo State, Brazil. 2022 , 14, 3032	

86	Impacts of Changes in Land Use and Land Cover Between 2001 and 2018 on Summertime O 3 Formation in North China Plain and Surrounding Areasâ Case Study. 2022 , 127,	
85	High-resolution Lagrangian inverse modeling of CO 2 emissions over the Paris region during the first 2020 lockdown period.	o
84	NMVOC emissions and their formation into secondary organic aerosols over India using WRF-Chem model. 2022 , 287, 119254	O
83	TransClim (v1.0): a chemistryâllimate response model for assessing the effect of mitigation strategies for road traffic on ozone. 2022 , 15, 5883-5903	
82	Aerosol processes. 2022 , 135-185	
81	The Application of In Situ Methods to Monitor VOC Concentrations in Urban Areasâl Bibliometric Analysis and Measuring Solution Review. 2022 , 14, 8815	
80	Molecular signatures of organic particulates as tracers of emission sources.	
79	Palladium-Doped Single-Walled Carbon Nanotubes as a New Adsorbent for Detecting and Trapping Volatile Organic Compounds: A First Principle Study. 2022 , 12, 2572	O
78	Computational chemistry of cluster: Understanding the mechanism of atmospheric new particle formation at the molecular level. 2022 , 136109	
77	Comparison and evaluation of updates to WRF-Chem (v3.9) biogenic emissions using MEGAN. 2022 , 15, 6311-6339	
76	Theoretical Investigations of the OH-Initialized Oxidation of 4-Methyl-3-Penten-2-One in the Atmosphere.	0
75	Stability of Terpenoid-Derived Secondary Ozonides in Aqueous Organic Media. 2022 , 126, 5386-5397	2
74	Investigation of the Gas-Phase Reaction of Nopinone with OH Radicals: Experimental and Theoretical Study. 2022 , 13, 1247	
73	How Have Divergent Global Emission Trends Influenced Long-Range Transported Ozone to North America?. 2022 , 127,	1
72	Inventory of Chinaâ⊠ Net Biome Productivity since the 21st Century. 2022 , 11, 1244	O
71	Measurement of enantiomer percentages for five monoterpenes from six conifer species by cartridge-tube-based passive sampling adsorptionâthermal desorption (ps-ATD). 2022 , 15, 4651-4661	O
70	Multivariate model-based investigation of the temperature dependence of ozone concentration in Finnish boreal forest. 2022 , 289, 119315	
69	Preventing biogenic secondary organic aerosols formation in India. 2022 , 290, 119352	O

68	Spatial and temporal analysis of HCHO response to drought in South Korea. 2022, 852, 158451	0
67	Molecular characteristics, sources and influencing factors of isoprene and monoterpenes secondary organic aerosol tracers in the marine atmosphere over the Arctic Ocean. 2022 , 853, 158645	O
66	Emissions of Biogenic Volatile Organic Compounds from Adjacent Boreal Fen and Bog as Impacted by Vegetation and a Period of Drought.	0
65	Emissions from the Mediterranean Vegetation. 2022 , 25-49	1
64	The research hotspots and trends of volatile organic compound emissions from anthropogenic and natural sources: A systematic quantitative review. 2023 , 216, 114386	О
63	AmPIF4 negatively regulates the blue light-induced synthesis of volatile terpenoids in snapdragon.	O
62	The ozoneâdlimate penalty over South America and Africa by 2100. 2022 , 22, 12331-12352	0
61	Biodiesel Emissions: A State-of-the-Art Review on Health and Environmental Impacts. 2022 , 15, 6854	1
60	Secondary Organic Aerosol Mass Yields from NO3 Oxidation of \oplus -Pinene and \oplus Carene: Effect of RO2 Radical Fate.	1
59	Review of technologies and their applications for the speciated detection of RO2 radicals. 2022,	O
58	Effects of Nitrogen Oxides on the Production of Reactive Oxygen Species and Environmentally Persistent Free Radicals from ∃-Pinene and Naphthalene Secondary Organic Aerosols.	1
57	Comparison of particle number size distribution trends in ground measurements and climate models. 2022 , 22, 12873-12905	O
56	Large Eddy Simulation for Investigating Coupled Forest Canopy and Turbulence Influences on Atmospheric Chemistry. 2022 , 14,	1
55	BTEX in Ambient Air of India: a Scoping Review of their Concentrations, Sources, and impact. 2022 , 233,	O
54	Winter season Southern Ocean distributions of climate-relevant trace gases. 2022 , 19, 5021-5040	0
53	Spatial and Temporal Patterns in Atmospheric Deposition of Dissolved Organic Carbon. 2022 , 36,	O
52	Reviews and syntheses: VOC emissions from soil cover in boreal and temperate natural ecosystems of the Northern Hemisphere. 2022 , 19, 4715-4746	О
51	Sunlight can convert atmospheric aerosols into a glassy solid state and modify their environmental impacts. 2022 , 119,	1

50	Emissions of biogenic volatile organic compounds from adjacent boreal fen and bog as impacted by vegetation composition. 2022 , 159809	О
49	Effects of NO2 and SO2 on the secondary organic aerosol formation from beta-pinene photooxidation. 2022 ,	O
48	Seasonal characteristics of biogenic secondary organic aerosol tracers in a deciduous broadleaf forest in northern Japan. 2023 , 311, 136785	1
47	Spatiotemporal distribution and influencing factors of secondary organic aerosols in the summer atmosphere from the Bering Sea to the western North Pacific. 2023 , 859, 160138	O
46	Impacts of Drought and Rehydration Cycles on Isoprene Emissions in Populus nigra Seedlings. 2022 , 19, 14528	O
45	Evaluation of isoprene light response curves for bryophyte-dominated ecosystems and implications for atmospheric composition.	O
44	Effects of soil drought and nitrogen deposition on BVOC emissions and their O3 and SOA formation for Pinus thunbergii. 2022 , 120693	O
43	Secondary organic aerosol formation from mixed volatile organic compounds: Effect of RO2 chemistry and precursor concentration. 2022 , 5,	O
42	Contrasting terpene emissions from canopy and understory vegetation in response to increases in nitrogen deposition and seasonal changes in precipitation. 2023 , 317, 120800	0
41	A meta-analysis on plant volatile organic compound emissions of different plant species and responses to environmental stress. 2023 , 318, 120886	1
40	The First Seasonal Snowfall Impacts Plant Photosynthesis and Monoterpene Emissions. 2022, 49,	0
39	Origin, evolution, and future of isoprene and nitric oxide interactions within leaves.	O
38	Evaluation of isoprene nitrate chemistry in detailed chemical mechanisms. 2022, 22, 14783-14798	О
37	Atmospheric degradation mechanisms and kinetics for OH-initiated oxidation of trans-#ocimene.	O
36	Emissions of isoprenoids from dominant tree species in subtropical China. 5,	О
35	A global climatology of ice-nucleating particles under cirrus conditions derived from model simulations with MADE3 in EMAC. 2022 , 22, 15887-15907	O
34	Isothermal evaporation of ∃-pinene secondary organic aerosol particles formed under low NOx and high NOx conditions. 2023 , 23, 203-220	О
33	Environmental Education for High School Studentsâlhvestigation of Air Quality with Low-Cost Sensors. 2023 , 139-161	O

32	Minor contributions of daytime monoterpenes are major contributors to atmospheric reactivity. 2023 , 20, 45-55	0
31	Evaluation of biogenic emissions from three different vegetation distributions in South Korea. 2023 , 296, 119588	o
30	Modeling the biogenic isoprene emission and its impact on ozone pollution in Zhejiang province, China. 2023 , 865, 161212	0
29	A new NMVOC speciated inventory for a reactivity-based approach to support ozone control strategies in Spain. 2023 , 867, 161449	О
28	Evolution of Ozone Pollution in China: What Track Will It Follow?. 2023, 57, 109-117	0
27	Aerosol Effects on Clear-Sky Shortwave Heating in the Asian Monsoon Tropopause Layer.	О
26	Modeling daytime and nighttime secondary organic aerosol formation via multiphase reactions of biogenic hydrocarbons. 2023 , 23, 1209-1226	O
25	Mangrove's species are weak isoprenoid emitters. 2023 , 283, 108256	О
24	Impacts of land cover changes on biogenic emission and its contribution to ozone and secondary organic aerosol in China. 2023 , 23, 4311-4325	O
23	Observations of biogenic volatile organic compounds over a mixed temperate forest during the summer to autumn transition. 2023 , 23, 4123-4148	О
22	Aqueous-phase photo-oxidation of selected green leaf volatiles initiated by OH radicals: Products and atmospheric implications. 2023 , 879, 162622	O
21	Size distributions of molecular markers for biogenic secondary organic aerosol in urban Beijing. 2023 , 327, 121569	О
20	Regional Sources and Seasonal Variability of Rainwater Dissolved Organic and Inorganic Nitrogen at a Mid-Atlantic, USA Coastal Site. 2023 , 128,	0
19	Optimizing the Isoprene Emission Model MEGAN With Satellite and Ground-Based Observational Constraints. 2023 , 128,	О
18	Chemical and dynamical identification of emission outflows during the HALO campaign EMeRGe in Europe and Asia. 2023 , 23, 1893-1918	O
17	Isoprene and monoterpene simulations using the chemistryâllimate model EMAC (v2.55) with interactive vegetation from LPJ-GUESS (v4.0). 2023 , 16, 885-906	О
16	Impact of trees on gas concentrations and condensables in a 2-D street canyon using CFD coupled to chemistry modeling. 2023 , 323, 121210	0
15	Molecular and Structural Characterization of Isomeric Compounds in Atmospheric Organic Aerosol Using Ion Mobility-Mass Spectrometry. 2023 , 127, 1656-1674	О

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14	LiMYB108 is involved in floral monoterpene biosynthesis induced by light intensity in Lilium âBiberiaâ[12023, 42, 763-773	О
13	Research status of volatile organic compound (VOC) removal technology and prospect of new strategies: a review.	O
12	Concentrations of dissolved dimethyl sulfide (DMS), methanethiol and other trace gases in context of microbial communities from the temperate Atlantic to the Arctic Ocean. 2023 , 20, 851-867	1
11	High emission rates and strong temperature response make boreal wetlands a large source of isoprene and terpenes. 2023 , 23, 2683-2698	O
10	An inconsistency in aviation emissions between CMIP5 and CMIP6 and the implications for short-lived species and their radiative forcing. 2023 , 16, 1459-1466	O
9	Theoretical Study of Hydroxylation of ⊞- and Pinene by a Cytochrome P450 Monooxygenase Model. 2023 , 24, 5150	O
8	Acute ozone exposure decreases terpene emissions from Canary Island pines. 2023, 333, 109416	O
7	The Role of Midlatitude Cyclones in the Emission, Transport, Production, and Removal of Aerosols in the Northern Hemisphere. 2023 , 128,	O
6	Organic synthesis in the study of terpene-derived oxidation products in the atmosphere.	0
5	Effects of biogenic volatile organic compounds and anthropogenic NOx emissions on O3 and PM2.5 formation over the northern region of Thailand. 11,	O
4	Influence of Organized Turbulence on OH Reactivity at a Deciduous Forest. 2023, 50,	O
3	Rapid Detection of Potential Natural Food Preservatives and Identification of Artemisia Species via High-Sensitivity Photoionization Mass Spectrometry.	O
2	Contribution of regional aerosol nucleation to low-level CCN in an Amazonian deep convective environment: results from a regionally nested global model. 2023 , 23, 4431-4461	О
1	Characterizing isoprene production in cyanobacteria âlınsights into the effects of light, temperature, and isoprene on Synechocystis sp. PCC 6803. 2023 , 129068	O