CITATION REPORT List of articles citing



DOI: 10.1038/ngeo905 Nature Geoscience, 2010, 3, 525-532.

Source: https://exaly.com/paper-pdf/48514181/citation-report.pdf

Version: 2024-04-28

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
449	Kohlenstoffhaushalt von 🎚 osystemen. 2004 , 1-22		
448	GEOCHEMISTRY ARTICLES [August 2010. 2010 , 41, e251-e275		
447	High-frequency measurements of methane ebullition over a growing season at a temperate peatland site. <i>Geophysical Research Letters</i> , 2011 , 38, n/a-n/a	4.9	43
446	Carbon litrogen interactions on land at global scales: current understanding in modelling climate biosphere feedbacks. 2011 , 3, 311-320		179
445	Reactive nitrogen in the environment and its effect on climate change. 2011 , 3, 281-290		167
444	Representing human behaviour and decisional processes in land system models as an integral component of the earth system. 2011 , 21, 840-843		26
443	Late Quaternary fire regimes of Australasia. 2011 , 30, 28-46		201
442	Improving assessment and modelling of climate change impacts on global terrestrial biodiversity. 2011 , 26, 249-59		230
441	Holocene carbon flux histories of the world peatlands: Global carbon-cycle implications. 2011 , 21, 761-	774	173
440	Aerosol mass spectrometer constraint on the global secondary organic aerosol budget. <i>Atmospheric Chemistry and Physics</i> , 2011 , 11, 12109-12136	6.8	349
439	General overview: European Integrated project on Aerosol Cloud Climate and Air Quality interactions (EUCAARI) Integrating aerosol research from nano to global scales. <i>Atmospheric Chemistry and Physics</i> , 2011 , 11, 13061-13143	6.8	231
438	Contrasting winter and summer VOC mixing ratios at a forest site in the Western Mediterranean Basin: the effect of local biogenic emissions. <i>Atmospheric Chemistry and Physics</i> , 2011 , 11, 13161-13179	6.8	67
437	The first estimates of global nucleation mode aerosol concentrations based on satellite measurements. <i>Atmospheric Chemistry and Physics</i> , 2011 , 11, 10791-10801	6.8	24
436	Simulated effects of changes in direct and diffuse radiation on canopy scale isoprene emissions from vegetation following volcanic eruptions. <i>Atmospheric Chemistry and Physics</i> , 2011 , 11, 11723-1173	1 ^{6.8}	15
435	Photosynthetic responses of 13 grassland species across 11 years of free-air CO2 enrichment is modest, consistent and independent of N supply. <i>Global Change Biology</i> , 2011 , 17, 2893-2904	11.4	63
434	Non-CO2 greenhouse gases and climate change. 2011 , 476, 43-50		647
433	COSMO-CLM2: a new version of the COSMO-CLM model coupled to the Community Land Model. 2011 , 37, 1889-1907		61

432	Geologic constraints on earth system sensitivity to CO₂ during the Cretaceous and early Paleogene. 2011 ,		4
431	Geochemistry. Soil nitrites influence atmospheric chemistry. <i>Science</i> , 2011 , 333, 1586-7	33.3	26
430	The Atmospheric Chemistry and Climate Model Intercomparison Project (ACCMIP): overview and description of models, simulations and climate diagnostics. 2012 ,		6
429	Regional feedbacks under changing climate and land-use conditions. 2012,		5
428	Robustness and uncertainty in terrestrial ecosystem carbon response to CMIP5 climate change projections. 2012 , 7, 044008		186
427	Seasonal variation in vertical volatile compounds air concentrations within a remote hemiboreal mixed forest. <i>Atmospheric Chemistry and Physics</i> , 2012 , 12, 3909-3926	6.8	33
426	Determinants and predictability of global wildfire emissions. <i>Atmospheric Chemistry and Physics</i> , 2012 , 12, 6845-6861	6.8	36
425	Modelling terrestrial nitrous oxide emissions and implications for climate feedback. 2012 , 196, 472-488		87
424	Bibliography. 2012 , 531-621		
423	Measuring dissolved organic carbon 🛭 3C in freshwaters using total organic carbon cavity ring-down spectroscopy (TOC-CRDS). 2012 , 10, 309-315		10
422	A new atmospherically relevant oxidant of sulphur dioxide. 2012 , 488, 193-6		372
421	Geobiological constraints on Earth system sensitivity to COlduring the Cretaceous and Cenozoic. 2012 , 10, 298-310		71
420	Research and Development Priorities Towards Recarbonization of the Biosphere. 2012 , 533-544		1
419	Predictability of biomass burning in response to climate changes. 2012 , 26, n/a-n/a		161
418	Atmospheric fluxes of organic N and P to the global ocean. 2012 , 26,		152
417	Sensitivity of biogenic isoprene emissions to past, present, and future environmental conditions and implications for atmospheric chemistry. 2012 , 117, n/a-n/a		53
416	Assessing climate model projections: State of the art and philosophical reflections. 2012 , 43, 258-276		15
415	Cloud condensation nuclei production associated with atmospheric nucleation: a synthesis based on existing literature and new results. <i>Atmospheric Chemistry and Physics</i> , 2012 , 12, 12037-12059	6.8	216

414	Determining Robust Impacts of Land-Use-Induced Land Cover Changes on Surface Climate over North America and Eurasia: Results from the First Set of LUCID Experiments. 2012 , 25, 3261-3281	259
413	Hydroxyl radical buffered by isoprene oxidation over tropical forests. <i>Nature Geoscience</i> , 2012 , 5, 190-19 2 8.3	146
412	Land-Use and Land-Cover Changes. 2012 ,	20
411	The effects of tropospheric ozone on net primary productivity and implications for climate change. 2012 , 63, 637-61	518
410	Governing processes for reactive nitrogen compounds in the European atmosphere. 2012 , 9, 4921-4954	62
409	Role of land surface processes and diffuse/direct radiation partitioning in simulating the European climate. 2012 , 9, 1695-1707	31
408	The Earth system feedbacks that matter for contemporary climate. 102-128	3
407	Use of a process-based model for assessing the methane budgets of global terrestrial ecosystems and evaluation of uncertainty. 2012 , 9, 759-773	134
406	Global air quality and climate. 2012 , 41, 6663-83	334
405	Ecosystem impacts of geoengineering: a review for developing a science plan. 2012 , 41, 350-69	51
404	Interactive responses of old-field plant growth and composition to warming and precipitation. Global Change Biology, 2012 , 18, 1754-1768	129
403	Forests under climate change and air pollution: gaps in understanding and future directions for research. 2012 , 160, 57-65	82
402	Regionalizing global climate models. 2012 , 32, 321-337	53
401	Vegetation-mediated feedback in water, carbon, nitrogen and phosphorus cycles. 2013 , 28, 599-614	11
400	Biology, Controls and Models of Tree Volatile Organic Compound Emissions. 2013,	24
399	Modeling burned area in Europe with the Community Land Model. 2013 , 118, 265-279	30
398	Ecosystem Services of Energy Exchange and Regulation. 2013 , 81-92	1
397	Cumulative response of ecosystem carbon and nitrogen stocks to chronic COlexposure in a subtropical oak woodland. 2013 , 200, 753-766	38

396	Factors Contributing to the Formation of an Urban Heat Island in Putrajaya, Malaysia. 2013 , 105, 840-85	0	21
395	Severe testing of climate change hypotheses. 2013 , 44, 433-441		7
394	Air Pollution Risks to Northern European Forests in a Changing Climate. 2013, 77-99		14
393	Gaseous Exchange Between Forests and the Atmosphere. 2013 , 19-36		9
392	How Important is Vegetation Phenology for European Climate and Heat Waves?. 2013 , 26, 10077-10100)	18
391	Volatile isoprenoid emissions from plastid to planet. 2013 , 197, 49-57		116
390	Plant respiration and photosynthesis in global-scale models: incorporating acclimation to temperature and CO2. <i>Global Change Biology</i> , 2013 , 19, 45-63	11.4	307
389	Net greenhouse gas balance in response to nitrogen enrichment: perspectives from a coupled biogeochemical model. <i>Global Change Biology</i> , 2013 , 19, 571-88	11.4	70
388	Environmental and physical controls on northern terrestrial methane emissions across permafrost zones. <i>Global Change Biology</i> , 2013 , 19, 589-603	11.4	231
387	Multiple greenhouse-gas feedbacks from the land biosphere under future climate change scenarios. 2013 , 3, 666-672		161
386	Catchment productivity controls CO2 emissions from lakes. 2013 , 3, 391-394		137
385	Warming-induced increase in aerosol number concentration likely to moderate climate change. <i>Nature Geoscience</i> , 2013 , 6, 438-442	18.3	206
384	New handbook for standardised measurement of plant functional traits worldwide. 2013, 61, 167		1983
383	Estimating the Permafrost-Carbon Climate Response in the CMIP5 Climate Models Using a Simplified Approach. 2013 , 26, 4897-4909		51
382	Plant Materials for Novel Ecosystems. 2013 , 212-227		2
381	Dynamic Global Vegetation Models. 2013 , 670-689		19
380	The impacts of climate change and human activities on biogeochemical cycles on the Qinghai-Tibetan Plateau. <i>Global Change Biology</i> , 2013 , 19, 2940-55	11.4	428
379	Sensitivity analysis of a process-based ecosystem model: Pinpointing parameterization and structural issues. 2013 , 118, 505-528		81

378	Evaluation of terrestrial carbon cycle models for their response to climate variability and to CO2 trends. <i>Global Change Biology</i> , 2013 , 19, 2117-32	1.4	481
377	Implications of Future Water Use Efficiency for Ecohydrological Responses to Climate Change and Spatial Heterogeneity of Atmospheric CO2 in China. 2013 , 24, 451		3
376	Photochemical reflectance index as an indirect estimator of foliar isoprenoid emissions at the ecosystem level. 2013 , 4, 2604		29
375	Warming/cooling effects of cropland greenness changes during 1982\(\mathbb{Q}\)006 in the North China Plain. 2013 , 8, 024038		32
374	Evaluation of vegetation cover and land-surface albedo in MPI-ESM CMIP5 simulations. 2013 , 5, 48-57		110
373	A lower and more constrained estimate of climate sensitivity using updated observations and detailed radiative forcing time series. 2013 ,		1
372	Implications of accounting for land use in simulations of ecosystem carbon cycling in Africa. 2013, 4, 385-	407	96
371	The Atmospheric Chemistry and Climate Model Intercomparison Project (ACCMIP): overview and description of models, simulations and climate diagnostics. 2013 , 6, 179-206		304
370	The impact of nitrogen and phosphorous limitation on the estimated terrestrial carbon balance and warming of land use change over the last 156 yr. 2013 , 4, 333-345		30
369	Modeling biomass burning and related carbon emissions during the 21st century in Europe. 2013 , 118, 1732-1747		29
368	The use of dynamic global vegetation models for simulating hydrology and the potential integration of satellite observations. 2013 , 37, 63-97		34
367	Changes in the frequency and return level of high ozone pollution events over the eastern United States following emission controls. 2013 , 8, 014012		25
366	Pre-industrial to end 21st century projections of tropospheric ozone from the Atmospheric Chemistry and Climate Model Intercomparison Project (ACCMIP). <i>Atmospheric Chemistry and Physics</i> , 2013 , 13, 2063-2090	ó.8	420
365	Isoprene emission variability through the twentieth century. <i>Journal of Geophysical Research D:</i> Atmospheres, 2013 , 118, 13,606-13,613	l·4	24
364	The effect of climate and climate change on ammonia emissions in Europe. <i>Atmospheric Chemistry and Physics</i> , 2013 , 13, 117-128	5.8	57
363	Long-term measurements of aerosol and carbon monoxide at the ZOTTO tall tower to characterize polluted and pristine air in the Siberian taiga. <i>Atmospheric Chemistry and Physics</i> , 2013 , 13, 12271-12298 $^{\circ}$	5.8	40
362	Volatile organic compounds in the western Mediterranean basin: urban and rural winter measurements during the DAURE campaign. <i>Atmospheric Chemistry and Physics</i> , 2013 , 13, 4291-4306	5.8	36
361	Secondary aerosol formation from stress-induced biogenic emissions and possible climate feedbacks. <i>Atmospheric Chemistry and Physics</i> , 2013 , 13, 8755-8770	5.8	69

360	Climate sensitivity in the Anthropocene. 2013 , 139, 1121-1131	20
359	Natural aerosoldlimate feedbacks suppressed by anthropogenic aerosol. <i>Geophysical Research Letters</i> , 2013 , 40, 5316-5319	27
358	Aircraft and tower measurements of CO2 concentration in the planetary boundary layer and the lower free troposphere over southern taiga in West Siberia: Long-term records from 2002 to 2011. Journal of Geophysical Research D: Atmospheres, 2013, 118, 9489-9498	34
357	Long-term ozone changes and associated climate impacts in CMIP5 simulations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013 , 118, 5029-5060	200
356	Ammonia emissions from deciduous forest after leaf fall. 2013 , 10, 4577-4589	22
355	Insights into mechanisms governing forest carbon response to nitrogen deposition: a modeldata comparison using observed responses to nitrogen addition. 2013 , 10, 3869-3887	70
354	Global Latitudinal-Asymmetric Vegetation Growth Trends and Their Driving Mechanisms: 1982 1 009. 2013 , 5, 1484-1497	98
353	Nitrogen feedbacks increase future terrestrial ecosystem carbon uptake in an individual-based dynamic vegetation model. 2014 , 11, 6131-6146	44
352	The role of phosphorus dynamics in tropical forests 🗈 modeling study using CLM-CNP. 2014 , 11, 1667-1681	137
351	Sensitivity of global and regional terrestrial carbon storage to the direct CO2 effect and climate change based on the CMIP5 model intercomparison. 2014 , 9, e95282	17
350	Global and regional effects of land-use change on climate in 21st century simulations with interactive carbon cycle. 2014 , 5, 309-319	50
349	Nitrogen inputs and losses in response to chronic CO₂ exposure in a subtropical oak woodland. 2014 , 11, 3323-3337	7
348	Towards decision-based global land use models for improved understanding of the Earth system. 2014 , 5, 117-137	68
347	Impact of human population density on fire frequency at the global scale. 2014 , 11, 1085-1102	83
346	A lower and more constrained estimate of climate sensitivity using updated observations and detailed radiative forcing time series. 2014 , 5, 139-175	45
345	Simulation of tropospheric chemistry and aerosols with the climate model EC-Earth. 2014 , 7, 2435-2475	39
344	Asymmetry and uncertainties in biogeophysical climate Degetation feedback over a range of CO₂ forcings. 2014 , 11, 17-32	8
343	Causal relationships versus emergent patterns in the global controls of fire frequency. 2014 , 11, 5087-5101	88

Is U.S. climatic diversity well represented within the existing federal protection network?. 2014, 24, 1898-907 10 342 Co-benefits, trade-offs, barriers and policies for greenhouse gas mitigation in the agriculture, 341 11.4 107 forestry and other land use (AFOLU) sector. Global Change Biology, 2014, 20, 3270-90 Evaluation of CMIP5 earth system models in reproducing leaf area index and vegetation cover over 340 15 the Tibetan Plateau. 2014, 28, 1041-1060 Climate-driven changes in chemical weathering and associated phosphorus release since 1850: 26 339 4.9 Implications for the land carbon balance. Geophysical Research Letters, 2014, 41, 3553-3558 Contrasting effects of increased carbon input on boreal SOM decomposition with and without 338 19 presence of living root system of Pinus sylvestris L.. 2014, 377, 145-158 A fully integrated isoprenoid emissions model coupling emissions to photosynthetic characteristics. 337 51 2014, 37, 1965-80 The role of vegetation in methane flux to the atmosphere: should vegetation be included as a 336 91 distinct category in the global methane budget?. **2014**, 119, 1-24 Aerosols in the convective boundary layer: Shortwave radiation effects on the coupled 335 32 4.4 land-atmosphere system. Journal of Geophysical Research D: Atmospheres, 2014, 119, 5845-5863 Plant growth enhancement by elevated CO2 eliminated by joint water and nitrogen limitation. 18.3 334 202 Nature Geoscience, 2014, 7, 920-924 Ozone The persistent menace: interactions with the N cycle and climate change. 2014, 9-10, 9-19 80 333 Linking plant and ecosystem functional biogeography. Proceedings of the National Academy of 332 11.5 188 Sciences of the United States of America, 2014, 111, 13697-702 Human land-use-driven reduction of forest volatiles cools global climate. 2014, 4, 907-910 331 100 Global Carbon Cycle. 2014, 330 2 Role of management strategies and environmental factors in determining the emissions of 329 14 biogenic volatile organic compounds from urban greenspaces. 2014, 48, 6237-46 328 Terrestrial and Inland Water Systems. 271-360 12 On the role of plant volatiles in anthropogenic global climate change. Geophysical Research Letters, 327 4.9 37 2014, 41, 8563-8569 Toward a better integration of biological data from precipitation manipulation experiments into 326 32 Earth system models. 2014, 52, 412-434 The AeroCom evaluation and intercomparison of organic aerosol in global models. Atmospheric 6.8 280 Chemistry and Physics, **2014**, 14, 10845-10895

324	Temperature influence on the natural aerosol budget over boreal forests. <i>Atmospheric Chemistry and Physics</i> , 2014 , 14, 8295-8308	13
323	Potential climate forcing of land use and land cover change. <i>Atmospheric Chemistry and Physics</i> , 2014 , 14, 12701-12724	49
322	Biotic stress: a significant contributor to organic aerosol in Europe?. <i>Atmospheric Chemistry and Physics</i> , 2014 , 14, 13643-13660	29
321	From emissions to ambient mixing ratios: online seasonal field measurements of volatile organic compounds over a Norway spruce-dominated forest in central Germany. <i>Atmospheric Chemistry and 6.8 Physics</i> , 2014 , 14, 6495-6510	22
320	Strong chemistry-climate feedbacks in the Pliocene. <i>Geophysical Research Letters</i> , 2014 , 41, 527-533 4.9	33
319	The significance of land-atmosphere interactions in the Earth system [LEAPS achievements and perspectives. 2015 , 12, 69-84	22
318	IDENTIFYING ACTIVE FIRE IN SOUTHWESTERN NIGERIA WITH MODIS DATA AND GEOGRAPHICAL INFORMATION SYSTEMS. 2015 , 41, 81-91	1
317	Climate change alters leaf anatomy, but has no effects on volatile emissions from Arctic plants. 2015 , 38, 2048-60	19
316	Relationship between sunshine duration and temperature trends across Europe since the second half of the twentieth century. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015 , 120, 10,823-10,836 ^{4.4}	22
315	Ecosystem-scale volatile organic compound fluxes during an extreme drought in a broadleaf temperate forest bf the Missouri Ozarks (central USA). Global Change Biology, 2015 , 21, 3657-74	59
314	Low historical nitrogen deposition effect on carbon sequestration in the boreal zone. 2015 , 120, 2542-2561	20
313	Cumulative ozone effect on canopy stomatal resistance and the impact on boundary layer dynamics and CO2 assimilation at the diurnal scale: A case study for grassland in the Netherlands. 2015 , 120, 1348-1365	11
312	Introduction: The Pan-Eurasian Experiment (PEEX) Imultidisciplinary, multiscale and multicomponent research and capacity-building initiative. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 13085-13096	35
311	How emissions, climate, and land use change will impact mid-century air quality over the United States: a focus on effects at national parks. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 2805-2823	80
310	Chemical characterization of biogenic secondary organic aerosol generated from plant emissions under baseline and stressed conditions: inter- and intra-species variability for six coniferous 6.8 species. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 3629-3646	10
309	An evaluation of ozone dry deposition in global scale chemistry climate models. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 6419-6436 6.8	85
308	The MCM v3.3.1 degradation scheme for isoprene. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 11433-16459	227
307	Effects of fire and CO2 on biogeography and primary production in glacial and modern climates. 2015 , 208, 987-94	22

306	Water use and yield of bioenergy poplar in future climates: modelling the interactive effects of elevated atmospheric CO2 and climate on productivity and water use. 2015 , 7, 958-973		3
305	Atmospheric carbonyl sulfide sources from anthropogenic activity: Implications for carbon cycle constraints. <i>Geophysical Research Letters</i> , 2015 , 42, 3004-3010	4.9	67
304	Quality of the Governing Temperature Variables in WRF in relation to Simulation of Primary Biological Aerosols. 2015 , 2015, 1-15		9
303	Large variability in ecosystem models explains uncertainty in a critical parameter for quantifying GPP with carbonyl sulphide. 2015 , 67, 26329		13
302	The Role of Plant-Microbe Interactions and Their Exploitation for Phytoremediation of Air Pollutants. 2015 , 16, 25576-604		83
301	Nitrogen Availability Reduces CMIP5 Projections of Twenty-First-Century Land Carbon Uptake*. 2015 , 28, 2494-2511		65
300	Adjustments in the Forcing-Feedback Framework for Understanding Climate Change. 2015 , 96, 217-228		198
299	Peatland paleohydrology in the southern West Siberian Lowlands: Comparison of multiple testate amoeba transfer functions, sites, and Sphagnum 🛭 3C values. 2015 , 25, 1425-1436		15
298	Balancing the environmental benefits of reforestation in agricultural regions. 2015 , 17, 301-317		84
297	Nitrogen and phosphorous limitation reduces the effects of land use change on land carbon uptake or emission. 2015 , 10, 014001		18
296	Field measurements of biogenic volatile organic compounds in the atmosphere by dynamic solid-phase microextraction and portable gas chromatography-mass spectrometry. 2015 , 115, 214-222		25
295	Evolution and variation of atmospheric carbon dioxide concentration over terrestrial ecosystems as derived from eddy covariance measurements. 2015 , 114, 75-82		27
294	Comparative ecology of vascular plant, bryophyte and testate amoeba communities in four Sphagnum peatlands along an altitudinal gradient in Switzerland. 2015 , 54, 48-59		16
293	Historical and future quantification of terrestrial carbon sequestration from a Greenhouse-Gas-Value perspective. 2015 , 32, 153-164		14
292	Carbon cycle feedbacks and future climate change. 2015 , 373,		45
291	A simplified, data-constrained approach to estimate the permafrost carbon-climate feedback. 2015 , 373,		125
290	The CH3CHOO Criegee intermediateLand its anion: Isomers, infrared spectra, and W3-F12 energetics. 2015 , 621, 193-198		5
289	Effect of land-use change and management on biogenic volatile organic compound emissionsselecting climate-smart cultivars. 2015 , 38, 1896-912		14

(2016-2015)

288	Rapid carbon turnover beneath shrub and tree vegetation is associated with low soil carbon stocks at a subarctic treeline. <i>Global Change Biology</i> , 2015 , 21, 2070-81	11.4	78
287	Sensitivity of biogenic volatile organic compounds to land surface parameterizations and vegetation distributions in California. 2016 , 9, 1959-1976		19
286	Current challenges of implementing land-use and land-cover change in climate assessments. 2016,		
285	Mapping Global Forest Aboveground Biomass with Spaceborne LiDAR, Optical Imagery, and Forest Inventory Data. 2016 , 8, 565		76
284	Nitrogen, Chemistry, and Climate. 594-605		
283	Aerosols, Chemistry, and Climate. 606-627		
282	Climate, CO₂ and human population impacts on global wildfire emissions. 2016 , 13, 267-282		73
281	Nutrient constraints on terrestrial carbon fixation: The role of nitrogen. 2016 , 203, 95-109		23
280	Effect of climate data on simulated carbon and nitrogen balances for Europe. 2016 , 121, 1352-1371		6
279	Aqueous phase oligomerization of tunsaturated carbonyls and acids investigated using ion mobility spectrometry coupled to mass spectrometry (IMS-MS). 2016 , 130, 153-162		10
278	Freshwater biota and rising pCO2?. 2016 , 19, 98-108		93
277	Partitioning soil respiration across four age classes of loblolly pine (Pinus taeda L.) on the Virginia Piedmont. 2016 , 378, 173-180		11
276	An analysis of global terrestrial carbon, water and energy dynamics using the carbon litrogen coupled CLASS-CTEMN+ model. 2016 , 336, 36-56		4
275	Detection of deep stratospheric intrusions by cosmogenic 35S. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 11131-11136	11.5	16
274	Environmental Impacts on Plant Volatile Emission. 2016 , 35-59		25
273	Hydrologic control of carbon cycling and aged carbon discharge in the Congo River basin. <i>Nature Geoscience</i> , 2016 , 9, 687-690	18.3	46
272	Characterizing the drivers of seedling leaf gas exchange responses to warming and altered precipitation: indirect and direct effects. 2016 , 8,		6
271	Circumpolar distribution and carbon storage of thermokarst landscapes. 2016 , 7, 13043		238

270	Ecosystems and Climate. 1-20		1
269	Future vegetationdlimate interactions in Eastern Siberia: an assessment of the competing effects of CO₂ and secondary organic aerosols. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 5243-5262	6.8	13
268	Conceptual design of a measurement network of the global change. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 1017-1028	6.8	24
267	Global tropospheric hydroxyl distribution, budget and reactivity. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 12477-12493	6.8	173
266	Pan-Eurasian Experiment (PEEX): towards a holistic understanding of the feedbacks and interactions in the land日tmosphereBceanBociety continuum in the northern Eurasian region. Atmospheric Chemistry and Physics, 2016, 16, 14421-14461	6.8	43
265	Influence of dynamic vegetation on carbon-nitrogen cycle feedback in the Community Land Model (CLM4). 2016 , 11, 124029		7
264	Is land surface processes representation a possible weak link in current Regional Climate Models?. 2016 , 11, 074027		30
263	Net ecosystem exchange of CO2 with rapidly changing high Arctic landscapes. <i>Global Change Biology</i> , 2016 , 22, 1185-200	11.4	26
262	Social Science/Natural Science Perspectives on Wildfire and Climate Change. 2016 , 10, 67-86		8
261	Key knowledge and data gaps in modelling the influence of CO concentration on the terrestrial carbon sink. 2016 , 203, 3-15		33
260	Boreal and temperate trees show strong acclimation of respiration to warming. 2016 , 531, 633-6		153
259	Assessing nitrogen controls on carbon, water and energy exchanges in major plant functional types across North America using a carbon and nitrogen coupled ecosystem model. 2016 , 323, 12-27		8
258	A model based investigation of the relative importance of CO2-fertilization, climate warming, nitrogen deposition and land use change on the global terrestrial carbon uptake in the historical period. 2016 , 47, 173-190		40
257	Reanalysis of global terrestrial vegetation trends from MODIS products: Browning or greening?. 2017 , 191, 145-155		167
256	Pollution to solution: Capture and sequestration of carbon dioxide (CO2) and its utilization as a renewable energy source for a sustainable future. 2017 , 71, 112-126		304
255	Environmental conditions regulate the impact of plants on cloud formation. 2017 , 8, 14067		45
254	Global isoprene and monoterpene emissions under changing climate, vegetation, CO2 and land use. 2017 , 155, 35-45		69
253	Grand Challenges in Understanding the Interplay of Climate and Land Changes. 2017 , 21, 1-43		17

(2017-2017)

252	Peak growing season gross uptake of carbon in North America is largest in the Midwest USA. 2017 , 7, 450-454		27
251	Stomatal Function across Temporal and Spatial Scales: Deep-Time Trends, Land-Atmosphere Coupling and Global Models. 2017 , 174, 583-602		78
250	Mechanisms of nitrogen deposition effects on temperate forest lichens and trees. 2017, 8, e01717		32
249	Large historical growth in global terrestrial gross primary production. 2017 , 544, 84-87		150
248	Coupling dissolved organic carbon, CO2 and productivity in boreal lakes. 2017, 62, 945-953		18
247	Reduced CO2 fertilization effect in temperate C3 grasslands under more extreme weather conditions. 2017 , 7, 137-141		71
246	Elevated carbon dioxide has the potential to impact alarm cue responses in some freshwater fishes. 2017 , 51, 59-72		23
245	Eligible reference cities in relation to BVOC-derived O 3 pollution. 2017 , 28, 73-80		3
244	Emerging role of wetland methane emissions in driving 21st century climate change. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 9647-9652	11.5	124
243	Statistical modelling predicts almost complete loss of major periglacial processes in Northern Europe by 2100. 2017 , 8, 515		19
242	Air quality and health effects of biogenic volatile organic compounds emissions from urban green spaces and the mitigation strategies. 2017 , 230, 849-861		52
241	Environmental feedbacks in temperate aquatic ecosystems under global change: why do we need to consider chemical stressors?. 2017 , 17, 2079-2096		7
240	Nitrogen-induced terrestrial eutrophication: cascading effects and impacts on ecosystem services. 2017 , 8, e01877		32
239	Isoprene and ⊕inene deposition to grassland mesocosms. 2017 , 410, 313-322		11
238	Leaf anatomy, BVOC emission and CO2 exchange of arctic plants following snow addition and summer warming. 2017 , 119, 433-445		17
237	Ectomycorrhizal fungal response to warming is linked to poor host performance at the boreal-temperate ecotone. <i>Global Change Biology</i> , 2017 , 23, 1598-1609	11.4	65
236	The MICE facility - a new tool to study plant-soil C cycling with a holistic approach. 2017 , 53, 286-297		3
235	4. Microbiology of Antarctic Edaphic and Lithic Habitats. 2017 , 47-72		1

234	Direct oceanic emissions unlikely to account for the missing source of atmospheric carbonyl sulfide. Atmospheric Chemistry and Physics, 2017 , 17, 385-402	36
233	AerChemMIP: quantifying the effects of chemistry and aerosols in CMIP6. 2017 , 10, 585-607	119
232	Global consequences of afforestation and bioenergy cultivation on ecosystem service indicators. 2017 , 14, 4829-4850	27
231	Projecting the CO2 and Climatic Change Effects on the Net Primary Productivity of the Urban Ecosystems in Phoenix, AZ in the 21st Century under Multiple RCP (Representative Concentration Pathway) Scenarios. 2017 , 9, 1366	2
230	The effect of climateBarbon cycle feedbacks on emission metrics. 2017 , 12, 034019	11
229	Current challenges of implementing anthropogenic land-use and land-cover change in models contributing to climate change assessments. 2017 , 8, 369-386	53
228	Development and evaluation of an ozone deposition scheme for coupling to a terrestrial biosphere model. 2017 , 14, 45-71	15
227	Integrating impacts on climate change and biodiversity from forest harvest in Norway. 2018 , 89, 411-421	13
226	Aerosol-Climate Interactions During the Last Glacial Maximum. 2018 , 4, 99-114	14
225	Modeling emissions for three-dimensional atmospheric chemistry transport models. 2018 , 68, 763-800	38
224	The impact of Earth system feedbacks on carbon budgets and climate response. 2018 , 376,	16
223	The Present and Future of Secondary Organic Aerosol Direct Forcing on Climate. 2018 , 4, 84-98	31
222	Responses of global terrestrial water use efficiency to climate change and rising atmospheric CO2 concentration in the twenty-first century. 2018 , 11, 558-582	7
221	Fire intensity drives post-fire temporal pattern of soil carbon accumulation in Australian fire-prone forests. 2018 , 610-611, 1113-1124	21
220	Substantial large-scale feedbacks between natural aerosols and climate. <i>Nature Geoscience</i> , 2018 , 11, 44-48	26
219	Nutrient-rich plants emit a less intense blend of volatile isoprenoids. 2018 , 220, 773-784	27
218	Biological consequences of weak acidification caused by elevated carbon dioxide in freshwater ecosystems. 2018 , 806, 1-12	35
217	Climate feedbacks in the Earth system and prospects for their evaluation. 2018 ,	1

(2018-2018)

216	Blue Water Trade-Offs With Vegetation in a CO2-Enriched Climate. <i>Geophysical Research Letters</i> , 2018 , 45, 3115-3125	4.9	34
215	Regional-Scale Data Assimilation of a Terrestrial Ecosystem Model: Leaf Phenology Parameters Are Dependent on Local Climatic Conditions. 2018 , 6,		3
214	Large but decreasing effect of ozone on the European carbon sink. 2018 , 15, 4245-4269		28
213	Build a global Earth observatory. 2018 , 553, 21-23		50
212	Spatiotemporal Patterns of Vegetation Greenness Change and Associated Climatic and Anthropogenic Drivers on the Tibetan Plateau during 2000\(\bar{L}\)015. 2018 , 10, 1525		36
211	Enhanced response of global wetland methane emissions to the 2015-2016 El Ni\(\textit{\textit{B}}\)-Southern Oscillation event. 2018 , 13,		34
210	SoilPlantAtmosphere Interactions. 2018, 29-60		3
209	Top-Down NO Emissions of European Cities Based on the Downwind Plume of Modelled and Space-Borne Tropospheric NOIColumns. 2018 , 18,		15
208	Aerosols in atmospheric chemistry and biogeochemical cycles of nutrients. 2018 , 13, 063004		49
207	Total OH Reactivity Changes Over the Amazon Rainforest During an El Niö Event. 2018 , 1,		9
206	Quantifying climate feedbacks in polar regions. 2018 , 9, 1919		147
205	Field measurements of biogenic volatile organic compounds in the atmosphere using solid-phase microextraction Arrow. 2018 , 11, 881-893		24
204	Major perturbations in the Earth's forest ecosystems. Possible implications for global warming. 2018 , 185, 544-571		44
203	The biomass burning contribution to climatellarbon-cycle feedback. 2018, 9, 663-677		15
202	Comprehensive Evaluation of Machine Learning Techniques for Estimating the Responses of Carbon Fluxes to Climatic Forces in Different Terrestrial Ecosystems. 2018 , 9, 83		9
201	Estimating Tree Height and Diameter at Breast Height (DBH) from Digital Surface Models and Orthophotos Obtained with an Unmanned Aerial System for a Japanese Cypress (Chamaecyparis obtusa) Forest. 2018 , 10, 13		72
200	Effect of Secondary Circulations on the SurfaceAtmosphere Exchange of Energy at an Isolated Semi-arid Forest. 2018 , 169, 209-232		8
199	Enhanced global primary production by biogenic aerosol via diffuse radiation fertilization. <i>Nature Geoscience</i> , 2018 , 11, 640-644	18.3	59

198	Untangling methodological and scale considerations in growth and productivity trend estimates of Canadall forests. 2018 , 13, 093001	21
197	A Unique Combination of Aerodynamic and Surface Properties Contribute to Surface Cooling in Restored Wetlands of the Sacramento-San Joaquin Delta, California. 2018 , 123, 2072-2090	22
196	A Biogeochemical Compromise: The High Methane Cost of Sequestering Carbon in Restored Wetlands. <i>Geophysical Research Letters</i> , 2018 , 45, 6081-6091	50
195	A comparison of the biogenic volatile organic compound emissions from the fine roots of 15 tree species in Japan and Taiwan. 2018 , 23, 242-251	5
194	Efficiency of Soil, Plant and Microbes for Healthy Plant Immunity and Sustainable Agricultural System. 2019 , 325-346	8
193	Estimating and tracking the remaining carbon budget for stringent climate targets. 2019 , 571, 335-342	136
192	Reviews and syntheses: influences of landscape structure and land uses on local to regional climate and air quality. 2019 , 16, 2369-2408	10
191	ESD Reviews: Climate feedbacks in the Earth system and prospects for their evaluation. 2019 , 10, 379-452	31
190	Radiative Forcing of Climate: The Historical Evolution of the Radiative Forcing Concept, the Forcing Agents and their Quantification, and Applications. 2019 , 59, 14.1-14.101	34
189	Significant feedbacks of wetland methane release on climate change and the causes of their uncertainty. 2019 , 14, 084027	15
188	How waviness in the circulation changes surface ozone: a viewpoint using local finite-amplitude wave activity. 2019 ,	
187	Sensitivity of organic aerosol simulation scheme on biogenic organic aerosol concentrations in climate projections. 2019 ,	
186	Climate Impacts from Afforestation and Deforestation in Europe. 2019 , 23, 1-27	22
185	The CRI v2.2 reduced degradation scheme for isoprene. 2019 , 212, 172-182	14
184	Climate Sensitivity From Both Physical and Carbon Cycle Feedbacks. <i>Geophysical Research Letters</i> , 2019 , 46, 7554-7564	6
183	Fully Automated Online Dynamic In-Tube Extraction for Continuous Sampling of Volatile Organic Compounds in Air. 2019 , 91, 8507-8515	11
182	First oxidation products from the reaction of hydroxyl radicals with isoprene for pristine environmental conditions. 2019 , 2,	28
181	Do Uncertainties in the Reconstruction of Land Cover Affect the Simulation of Air Temperature and Rainfall in the CORDEX Region of East Asia?. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019 , 4.4 124, 3647-3670	10

(2020-2019)

180	Volatile emissions from thawing permafrost soils are influenced by meltwater drainage conditions. <i>Global Change Biology</i> , 2019 , 25, 1704-1716	11.4	9
179	How waviness in the circulation changes surface ozone: a viewpoint using local finite-amplitude wave activity. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 12917-12933	6.8	1
178	Biogenic secondary organic aerosol sensitivity to organic aerosol simulation schemes in climate projections. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 13209-13226	6.8	5
177	Machine learning and artificial intelligence to aid climate change research and preparedness. 2019 , 14, 124007		86
176	Current[fossil fuel infrastructure does not yet commit us to 1.5 LC warming. 2019, 10, 101		75
175	Electron shuttling mediated by humic substances fuels anaerobic methane oxidation and carbon burial in wetland sediments. 2019 , 650, 2674-2684		56
174	Ozone risk assessment of grapevine Cabernet Sauvignon Lusing open-top chambers. 2020 , 260, 108874		3
173	Responses of soil organic carbon and nitrogen to land-use changes in a semiarid region of northwest China. 2020 , 34, 188-206		1
172	Air pollution dispersal in high density urban areas: Research on the triadic relation of wind, air pollution, and urban form. 2020 , 54, 101941		49
171	Interannual variation of terrestrial carbon cycle: Issues and perspectives. <i>Global Change Biology</i> , 2020 , 26, 300-318	11.4	83
170	Modelling the effect of the 2018 summer heatwave and drought on isoprene emissions in a UK woodland. <i>Global Change Biology</i> , 2019 , 26, 2320	11.4	9
169	Atmospheric CO2 mitigation technologies: carbon capture utilization and storage. 2020 , 21, 34-43		76
168	Urban form and air pollution disperse: Key indexes and mitigation strategies. 2020, 57, 101955		22
167	The Canadian model for peatlands (CaMP): A peatland carbon model for national greenhouse gas reporting. 2020 , 431, 109164		10
166	Short-lived climate forcers have long-term climate impacts via the carbondlimate feedback. 2020 , 10, 851-855		12
165	Collembola communities and soil conditions in forest plantations established in an intensively managed agricultural area. 2020 , 32, 1819		4
164	Xylem Anatomical Variability in White Spruce at Treeline Is Largely Driven by Spatial Clustering. 2020 , 11, 581378		5
163	N₂O changes from the Last Glacial Maximum to the preindustrial [Part12: terrestrial N₂O emissions and carbonBitrogen cycle interactions. 2020 , 17, 3511-	3543	3

162	Past climates inform our future. <i>Science</i> , 2020 , 370,	3.3	70
161	Soil Uptake of Volatile Organic Compounds: Ubiquitous and Underestimated?. 2020 , 125, e2020JG005773	:	12
160	Global karst vegetation regime and its response to climate change and human activities. 2020 , 113, 10620	8	15
159	Reduction of structural impacts and distinction of photosynthetic pathways in a global estimation of GPP from space-borne solar-induced chlorophyll fluorescence. 2020 , 240, 111722		47
158	Bayesian Reconstruction of Past Land Cover From Pollen Data: Model Robustness and Sensitivity to Auxiliary Variables. 2020 , 7, e2018EA00057		3
157	Invasive earthworms unlock arctic plant nitrogen limitation. 2020 , 11, 1766		10
156	Deposition of Dinene oxidation products on plant surfaces affects plant VOC emission and herbivore feeding and oviposition. 2020 , 263, 114437		4
155	Effects of rising atmospheric CO levels on physiological response of cyanobacteria and cyanobacterial bloom development: A review. 2021 , 754, 141889		6
154	Research agenda for the Russian Far East and utilization of multi-platform comprehensive environmental observations. 2021 , 14, 311-337		6
153	Global response of terrestrial gross primary productivity to climate extremes. 2021 , 750, 142337		6
152	Complete or overcompensatory thermal acclimation of leaf dark respiration in African tropical trees. 2021 , 229, 2548-2561		10
151	Terrestrial ecosystem model studies and their contributions to AsiaFlux. 2021 , 77, 81-95		1
150	Implementation of nitrogen cycle in the CLASSIC land model. 2021 , 18, 669-706		3
149	Ozone: Risk assessment, environmental, and health hazard. 2021 , 301-312		
148	Estimates of energy partitioning, evapotranspiration, and net ecosystem exchange of CO2 for an urban lawn and a tallgrass prairie in the Denver metropolitan area under contrasting conditions. 2021 , 24, 1201		1
147	Climate impacts of U.S. forest loss span net warming to net cooling. 2021 , 7,		6
146	Disentangling the Regional Climate Impacts of Competing Vegetation Responses to Elevated Atmospheric CO. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021 , 126, e2020JD034108	4	2
145	Acyclic Terpenes Reduce Secondary Organic Aerosol Formation from Emissions of a Riparian Shrub. 2021 , 5, 1242-1253		2

144	Total OH reactivity over the Amazon rainforest: variability with temperature, wind, rain, altitude, time of day, season, and an overall budget closure. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 6231-6256	3
143	Uncertainty of land surface model and land use data on WRF model simulations over China. 2021 , 57, 1833-1851	6
142	Diversification of terpenoid emissions proposes a geographic structure based on climate and pathogen composition in Japanese cedar. <i>Scientific Reports</i> , 2021 , 11, 8307	3
141	An Improvement of SPME-Based Sampling Technique to Collect Volatile Organic Compounds from at the Environmental Level. 2021 , 11,	O
140	Climate-induced increase in terrestrial carbon storage in the Yangtze River Economic Belt. 2021 , 11, 7211-72	252
139	Ozone Continues to Increase in East Asia Despite Decreasing NO2: Causes and Abatements. 2021 , 13, 2177	5
138	Atmospheric and ecosystem big data providing key contributions in reaching United Nations Sustainable Development Goals. 2021 , 5, 277-305	2
137	South American fires and their impacts on ecosystems increase with continued emissions. e8	6
136	Climate sensitivity and drought seasonality determine post-drought growth recovery of Quercus petraea and Quercus robur in Europe. 2021 , 784, 147222	13
135	COS-derived GPP relationships with temperature and light help explain high-latitude atmospheric CO seasonal cycle amplification. <i>Proceedings of the National Academy of Sciences of the United</i> States of America, 2021 , 118,	9
134	Ecosystem-atmosphere carbon and water exchanges of subtropical evergreen and deciduous forests in India. 2021 , 495, 119371	5
133	Projected Land Evaporation and Its Response to Vegetation Greening Over China Under Multiple Scenarios in the CMIP6 Models. 2021 , 126, e2021JG006327	Ο
132	Spatially explicit changes in forest biomass carbon of China over the past 4 decades: Coupling long-term inventory and remote sensing data. 2021 , 316, 128274	1
131	Does root respiration of subtropical Chinese fir seedlings acclimate to seasonal temperature variation or experimental soil warming?. 2021 , 308-309, 108612	O
130	Analysis of vegetation dynamics in the Qinling-Daba Mountains region from MODIS time series data. 2021 , 129, 108029	3
129	Differential effects of nitrogen vs. phosphorus limitation on terrestrial carbon storage in two subtropical forests: A Bayesian approach. 2021 , 795, 148485	3
128	Effects of elevated ozone on the emission of volatile isoprenoids from flowers and leaves of rose (Rosa sp.) varieties. 2021 , 291, 118141	О
127	Estimation of the relative contributions of forest areal expansion and growth to China's forest stand biomass carbon sequestration from 1977 to 2018. 2021 , 300, 113757	2

126	Assessment of pre-industrial to present-day anthropogenic climate forcing in UKESM1. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 1211-1243	7
125	Climate-driven chemistry and aerosol feedbacks in CMIP6 Earth system models. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 1105-1126 6.8	10
124	Using satellite data to identify the methane emission controls of South Sudan's wetlands. 2021 , 18, 557-572	9
123	Global Modelling of Volatile Organic Compound Emissions. 2013, 451-487	11
122	Climate Feedbacks Linking the Increasing Atmospheric CO2 Concentration, BVOC Emissions, Aerosols and Clouds in Forest Ecosystems. 2013 , 489-508	28
121	State-of-the-Art of BVOC Research: What Do We Have and What Have We Missed? A Synthesis. 2013 , 509-528	7
120	Climate System Dynamics and Modelling. 2015,	19
119	Stimulation of soil respiration by elevated CO is enhanced under nitrogen limitation in a decade-long grassland study. <i>Proceedings of the National Academy of Sciences of the United States</i> 11.5 of America, 2020 , 117, 33317-33324	8
118	Biogeophysical and biogeochemical impacts of land-use change simulated by MIROC-ES2L. 2020, 7,	5
117	Storage/Turnover rate of inorganic carbon and its dissolvable part in the profile of saline/alkaline soils. 2013 , 8, e82029	13
116	Soil respiration under different land uses in Eastern China. 2015 , 10, e0124198	14
115	Simulating the vegetation-producing process in small watersheds in the Loess Plateau of China. 2012 , 4, 300-309	4
114	Long Term Analysis of Optical and Radiative Properties of Aerosols in the Amazon Basin. 2020, 20, 139-154	4
113	Contrasting winter and summer VOC mixing ratios at a forest site in the Western Mediterranean Basin: the effect of local biogenic emissions.	5
112	Climate versus emission drivers of methane lifetime from 1860🛭 100.	5
111	Pre-industrial to end 21st century projections of tropospheric ozone from the Atmospheric Chemistry and Climate Model Intercomparison Project (ACCMIP).	8
110	The effect of climate and climate change on ammonia emissions in Europe.	3
109	Volatile organic compounds in the Western Mediterranean Basin: urban and rural winter measurements during the DAURE campaign.	2

108	Determinants and predictability of global wildfire emissions.	1
107	Secondary aerosol formation from stress-induced biogenic emissions and possible climate feedbacks.	1
106	Chemical characterization of biogenic SOA generated from plant emissions under baseline and stressed conditions: inter- and intra-species variability for six coniferous species.	2
105	How emissions, climate, and land use change will impact mid-century air quality over the United States: a focus on effects at National Parks.	1
104	The AeroCom evaluation and intercomparison of organic aerosol in global models.	11
103	Conceptual design of a measurement network of the global change.	3
102	The MCM v3.3 degradation scheme for isoprene.	17
101	Understanding the uncertainty in global forest carbon turnover. 2020 , 17, 3961-3989	20
100	Biogenic volatile organic compound ambient mixing ratios and emission rates in the Alaskan Arctic tundra 2020 , 17, 6219-6236	6
99	Asymmetry and uncertainties in biogeophysical climate Degetation feedback over a range of CO ₂ forcings.	1
98	Impact of human population density on fire frequency at the global scale.	8
97	Insights into mechanisms governing forest carbon response to nitrogen deposition: a model-data comparison using observed responses to nitrogen addition.	6
96	Nitrogen feedbacks increase future terrestrial ecosystem carbon uptake in an individual-based dynamic vegetation model.	7
95	Causal relationships vs. emergent patterns in the global controls of fire frequency.	6
94	Nitrogen inputs and losses in response to chronic CO ₂ exposure in a sub-tropical oak woodland.	1
93	The Habitable Zone of Inhabited Planets.	4
92	Climate, CO ₂ , and demographic impacts on global wildfire emissions.	4
91	Role of land surface processes and diffuse/direct radiation partitioning in simulating the European climate.	3

90	Use and uncertainty evaluation of a process-based model for assessing the methane budgets of global terrestrial ecosystems.	2
89	Future challenges of representing land-processes in studies on land-atmosphere interactions.	2
88	Governing processes for reactive nitrogen compounds in the atmosphere in relation to ecosystem, climatic and human health impacts.	2
87	Climate sensitivity in the Anthropocene.	1
86	The impact of nitrogen and phosphorous limitation on the estimated terrestrial carbon balance and warming of land use change over the last 156 yr.	1
85	Global and regional effects of land-use change on climate in 21st century simulations with interactive carbon cycle.	11
84	Digital photography for assessing the link between vegetation phenology and CO₂ exchange in two contrasting northern ecosystems. 2016 , 5, 417-426	14
83	Simulation of tropospheric chemistry and aerosols with the climate model EC-Earth.	5
82	Significance of the organic aerosol driven climate feedback in the boreal area. 2021 , 12, 5637	5
81	Direct and Indirect Effects of Environmental Limitations on White Spruce Xylem Anatomy at Treeline. 2021 , 12, 748055	
80	Reclamation of urban brownfields through phytoremediation: Implications for building sustainable and resilient towns. 2021 , 65, 127364	4
79	Simulated effects of changes in direct and diffuse radiation on canopy scale isoprene emissions from vegetation following volcanic eruptions.	
78	Seasonal variation in vertical volatile compounds air concentrations within a remote hemiboreal mixed forest.	
77	The first estimates of global nucleation mode aerosol concentrations based on satellite measurements.	1
76	Future Challenges. 2012 , 117-174	
75	Cloud condensation nuclei production associated with atmospheric nucleation: a synthesis based on existing literature and new results.	
74	Ammonia emissions from beech forest after leaf fall Imeasurements and modelling.	
73	Long-term measurements of aerosols and carbon monoxide at the ZOTTO tall tower to characterize polluted and pristine air in the Siberian Taiga.	

From emissions to ambient mixing ratios: on-line seasonal field measurements of volatile organic 1 72 compounds over a Norway spruce dominated forest in central Germany. Temperature influence on the natural aerosol budget over boreal forests. How well can we predict soil respiration with climate indicators, now and in the future?. 70 Biotic stress: a significant contributor to organic aerosol in Europe?. 69 68 Biogenic Volatile Organic Compound Emissions. 2015, 47-57 Climate System Dynamics and Modelling. 2015, 317-340 67 Introduction: The Pan-Eurasian Experiment (PEEX) [multi-disciplinary, multi-scale and 66 multi-component research and capacity building initiative. 65 Climate System Dynamics and Modelling. 2015, 247-284 Climate System Dynamics and Modelling. 2015, 287-316 64 63 Climate System Dynamics and Modelling. 2015, 178-246 Climate System Dynamics and Modelling. 2015, 133-177 62 Climate System Dynamics and Modelling. 2015, 341-352 61 60 Climate System Dynamics and Modelling. 2015, 73-132 Climate System Dynamics and Modelling. 2015, 1-29 59 Climate System Dynamics and Modelling. 2015, 285-286 58 Climate System Dynamics and Modelling. **2015**, 30-72 57 Climate System Dynamics and Modelling. 2015, xi-xii 56 Land Covers and Climate Impacts on Land Surface Temperature in Putrajaya, Malaysia. 2018, 3, 78-88 55

54	Advances in Bio-based Polymer Membranes for CO2 Separation. 2019 , 277-307		Ο
53	Brazilian biomes distribution: Past and future. 2022 , 585, 110717		2
52	Introducing a dynamic photosynthetic model of photoinhibition, heat, and water stress in the next-generation land surface model ACASA. 2022 , 312, 108702		0
51	In-vitro oxidative potential and inflammatory response of ambient PM in a rural region of Northwest China: Association with chemical compositions and source contribution. 2021 , 205, 112466		2
50	Improving Global Gross Primary Productivity Estimation by Fusing Multi-Source Data Products.		
49	Chemical looping mechanisms for sequestration of greenhouse gases for biofuel and biomaterials. 2022 , 85-109		
48	Air Pollution and Greenhouse Gases Emissions: Implications in Food Production and Food Security. 2022 , 107-133		
47	Actions to halt biodiversity loss generally benefit the climate Global Change Biology, 2022,	11.4	7
46	Advances and challenges in climate modeling. Climatic Change, 2022, 170, 1	4.5	1
45	Ecosystem fluxes during drought and recovery in an experimental forest <i>Science</i> , 2021 , 374, 1514-1518	833.3	4
44	Equal abundance of summertime natural and wintertime anthropogenic Arctic organic aerosols <i>Nature Geoscience</i> , 2022 , 15, 196-202	18.3	6
43	Role of water in unexpectedly large changes in emission flux of volatile organic compounds in soils under dynamic temperature conditions <i>Scientific Reports</i> , 2022 , 12, 4418	4.9	
42	Improving global gross primary productivity estimation by fusing multi-source data products <i>Heliyon</i> , 2022 , 8, e09153	3.6	О
41	Overview: Recent advances in the understanding of the northern Eurasian environments and of the urban air quality in China la Pan-Eurasian Experiment (PEEX) programme perspective. <i>Atmospheric Chemistry and Physics</i> , 2022 , 22, 4413-4469	6.8	1
40	Cryptogamic organisms are a substantial source and sink for volatile organic compounds in the Amazon region. <i>Communications Earth & Environment</i> , 2021 , 2,	6.1	0
39	An analysis of 30 years of surface ozone concentrations in Austria: temporal evolution, changes in precursor emissions and chemical regimes, temperature dependence, and lessons for the future. <i>Environmental Science Atmospheres</i> ,		Ο
38	Convergence in water use efficiency within plant functional types across contrasting climates <i>Nature Plants</i> , 2022 ,	11.5	0
37	Data_Sheet_1.pdf. 2018 ,		

36 Presentation_1.pdf. 2018,

35	Data_Sheet_1.PDF. 2018 ,		
34	Data_Sheet_1.docx. 2020 ,		
33	Remotely Sensed Carbonyl Sulfide Constrains Model Estimates of Amazon Primary Productivity. <i>Geophysical Research Letters</i> , 2022 , 49,	.9	2
32	Reduced global fire activity due to human demography slows global warming by enhanced land carbon uptake <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022 , 119, e2101186119	1.5	О
31	Beyond CO2 equivalence: The impacts of methane on climate, ecosystems, and health. Environmental Science and Policy, 2022 , 134, 127-136	.2	3
30	The Potential Impact of a Clean Energy Society On Air Quality. <i>Earth</i> Future,	.9	O
29	Observation-Based Evaluation of Local Climate Effect of Terrestrial Vegetation in Temperate Zones. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022 , 127,	·4	
28	Terrestrial carbon cycle: a tipping edge of climate change between atmosphere and biosphere ecosystems. <i>Environmental Science Atmospheres</i> ,		
27	Amplified warming from physiological responses to carbon dioxide reduces the potential of vegetation for climate change mitigation. <i>Communications Earth & Environment</i> , 2022 , 3,	.1	1
26	FOCI-MOPS v1 Integration of marine biogeochemistry within the Flexible Ocean and Climate Infrastructure version 1 (FOCI 1) Earth system model. 2022 , 15, 5987-6024		
25	Evolution of Uncertainty in Terrestrial Carbon Storage in Earth System Models from CMIP5 to CMIP6. 2022 , 35, 5483-5499		1
24	Global patterns and controls of the soil microbial biomass response to elevated CO2. 2022 , 428, 116153		О
23	Aerosol in the Earth system. 2022 , 53-99		O
22	Analysis of the effect of abiotic stressors on BVOC emissions from urban green infrastructure in northern Germany. 2022 , 2, 1132-1151		1
21	Past rapid warmings as a constraint on greenhouse-gas climate feedbacks. 2022 , 3,		O
20	Atmospheric Particles Are Major Sources of Aged Anthropogenic Organic Carbon in Marginal Seas. 2022 , 56, 14198-14207		2
19	LPJ-GUESS/LSMv1.0: a next-generation land surface model with high ecological realism. 2022 , 15, 6709-67	745	1

18	Comparison of particle number size distribution trends in ground measurements and climate models. 2022 , 22, 12873-12905	O
17	Large Eddy Simulation for Investigating Coupled Forest Canopy and Turbulence Influences on Atmospheric Chemistry. 2022 , 14,	1
16	Social status and air quality in Barcelona: A socio-ecological approach. 2022 , 87, 104210	0
15	Quantitative Land-Cover Reconstructions for China over the Past 6000 Years. 2022,	O
14	Identifying the spatiotemporal pattern and driving factors of vegetation dynamics in Shaanxi Province, China. 1-27	0
13	Growth and actual leaf temperature modulate CO2 responsiveness of monoterpene emissions from holm oak in opposite ways. 2022 , 19, 4945-4963	O
12	Spatial variations and influencing factors of soil organic carbon under different land use types in the alpine region of Qinghai-Tibet Plateau. 2023 , 220, 106706	1
11	A Comparison of Machine Learning and Geostatistical Approaches for Mapping Forest Canopy Height over the Southeastern US Using ICESat-2. 2022 , 14, 5651	Ο
10	Incorporating human behaviour into Earth system modelling.	0
9	Isoprene Epoxydiol-Derived Sulfated and Nonsulfated Oligomers Suppress Particulate Mass Loss during Oxidative Aging of Secondary Organic Aerosol.	O
8	Temporal patterns of soil carbon emission in tropical forests under long-term nitrogen deposition. 2022 , 15, 1002-1010	1
7	Changes in biodiversity impact atmospheric chemistry through plant volatiles and particles.	O
6	Optimal Preservation Effort and Carbon Emission Reduction Decision of Three-Level Cold Chain System with Low-Carbon Advertising Effect. 2023 , 13, 1818	0
5	Fractional vegetation cover ratio estimated from radiative transfer modeling outperforms spectral indices to assess fire severity in several Mediterranean plant communities. 2023 , 290, 113542	O
4	From remotely-sensed solar-induced chlorophyll fluorescence to ecosystem structure, function, and service: Part IIHarnessing data.	0
3	Spruce bark beetles (Ips typographus) cause up to 700 times higher bark BVOC emission rates compared to healthy Norway spruce (Picea abies). 2023 , 20, 803-826	O
2	Beyond Cleansing: Ecosystem Services Related to Phytoremediation. 2023 , 12, 1031	0
1	Occurrence, Area Burned, and Seasonality Trends of Forest Fires in the Natural Subregions of Alberta over 1959 2 021. 2023 , 6, 96	Ο