

László Haszpra

List of Publications by Year in descending order

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Version: 2024-02-01

66
papers

2,795
citations

236612

25
h-index

197535

49
g-index

87
all docs

87
docs citations

87
times ranked

3624
citing authors

#	ARTICLE	IF	CITATIONS
1	A recent build-up of atmospheric CO ₂ over Europe. Part 1: observed signals and possible explanations. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 62, 1.	0.8	40
2	Technical note: A high-resolution inverse modelling technique for estimating surface CO ₂ fluxes based on the NIES-TM FLEXPART coupled transport model and its adjoint. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 1245-1266.	1.9	23
3	Uncertainty of hourly-average concentration values derived from non-continuous measurements. <i>Atmospheric Measurement Techniques</i> , 2021, 14, 3561-3571.	1.2	0
4	Stable isotope data of daily precipitation during the period of 2013–2017 from K-puszta (regional) Tj ETQq0 0 0 ggBT /Overlock 10 Tff	0.5	1
5	Identification of Potential Methane Source Regions in Europe Using $\delta^{13}C$ CH ₄ Measurements and Trajectory Modeling. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2020JD033963.	1.2	5
6	The fingerprint of the summer 2018 drought in Europe on ground-based atmospheric CO ₂ measurements. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2020, 375, 20190513.	1.8	31
7	Analysis of the 21-years long carbon dioxide flux dataset from a Central European tall tower site. <i>Agricultural and Forest Meteorology</i> , 2020, 290, 108027.	1.9	6
8	Estimation of greenhouse gas emission factors based on observed covariance of CO ₂ , CH ₄ , N ₂ O and CO mole fractions. <i>Environmental Sciences Europe</i> , 2019, 31, .	2.6	9
9	First results of tall tower based nitrous oxide flux monitoring over an agricultural region in Central Europe. <i>Atmospheric Environment</i> , 2018, 176, 240-251.	1.9	12
10	Inverse modelling of European CH ₄ emissions during 2006–2012 using different inverse models and reassessed atmospheric observations. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 901-920.	1.9	77
11	Temporal Variation of Atmospheric Fossil and Modern CO ₂ Excess at a Central European Rural Tower Station between 2008 and 2014. <i>Radiocarbon</i> , 2018, 60, 1285-1299.	0.8	18
12	Stable isotope compositions of speleothems from the last interglacial – Spatial patterns of climate fluctuations in Europe. <i>Quaternary Science Reviews</i> , 2017, 161, 68-80.	1.4	36
13	Moisture source diagnostics and isotope characteristics for precipitation in east Hungary: implications for their relationship. <i>Hydrological Sciences Journal</i> , 2017, 62, 2049-2060.	1.2	25
14	Terrestrial ecosystem process model Biome-BGCMuSo v4.0: summary of improvements and new modeling possibilities. <i>Geoscientific Model Development</i> , 2016, 9, 4405-4437.	1.3	50
15	Top-down estimates of European CH ₄ and N ₂ O emissions based on four different inverse models. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 715-736.	1.9	92
16	One-Year-Long Continuous and Synchronous Data Set of Fossil Carbon in Atmospheric PM _{2.5} and Carbon Dioxide in Debrecen, Hungary. <i>Radiocarbon</i> , 2015, 57, 991-1002.	0.8	6
17	How well do tall-tower measurements characterize the CO ₂ mole fraction distribution in the planetary boundary layer?. <i>Atmospheric Measurement Techniques</i> , 2015, 8, 1657-1671.	1.2	8
18	TransCom N ₂ O model inter-comparison – Part 2: Atmospheric inversion estimates of N ₂ O emissions. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 6177-6194.	1.9	49

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19	Regional inversion of CO ₂ ecosystem fluxes from atmospheric measurements: reliability of the uncertainty estimates. Atmospheric Chemistry and Physics, 2013, 13, 9039-9056.	1.9	60
20	Variation of CO ₂ mole fraction in the lower free troposphere, in the boundary layer and at the surface. Atmospheric Chemistry and Physics, 2012, 12, 8865-8875.	1.9	19
21	European Emissions of Halogenated Greenhouse Gases Inferred from Atmospheric Measurements. Environmental Science & Technology, 2012, 46, 217-225.	4.6	48
22	Development of the Biome-BGC model for simulation of managed herbaceous ecosystems. Ecological Modelling, 2012, 226, 99-119.	1.2	70
23	Global CO ₂ fluxes inferred from surface air-sample measurements and from TCCON retrievals of the CO ₂ total column. Geophysical Research Letters, 2011, 38, n/a-n/a.	1.5	85
24	Inverse modelling of European N ₂ O emissions: assimilating observations from different networks. Atmospheric Chemistry and Physics, 2011, 11, 2381-2398.	1.9	63
25	Evidence for Nearly Complete Decoupling of Very Stable Nocturnal Boundary Layer Overland. Boundary-Layer Meteorology, 2011, 138, 163-170.	1.2	7
26	Model-Based Biospheric Greenhouse Gas Balance of Hungary. , 2011, , 295-330.		3
27	History and Sites of Atmospheric Greenhouse Gas Monitoring in Hungary. , 2011, , 9-27.		8
28	Trends and Temporal Variations of Major Greenhouse Gases at a Rural Site in Central Europe. , 2011, , 29-47.		3
29	Arable Lands. , 2011, , 157-197.		3
30	Arable Lands. , 2011, , 263-293.		0
31	Regional Climate Change and Fluctuations as Reflected in the Atmospheric Carbon Dioxide Concentration. , 2011, , 49-62.		0
32	Models and Their Adaptation. , 2011, , 201-228.		0
33	Fossil fuel CO ₂ estimation by atmospheric ¹⁴ C measurement and CO ₂ mixing ratios in the city of Debrecen, Hungary. Journal of Radioanalytical and Nuclear Chemistry, 2010, 286, 471-476.	0.7	12
34	Seven years of recent European net terrestrial carbon dioxide exchange constrained by atmospheric observations. Global Change Biology, 2010, 16, 1317-1337.	4.2	223
35	Climate variability as reflected in a regional atmospheric CO ₂ record. Tellus, Series B: Chemical and Physical Meteorology, 2010, 62, 417-426.	0.8	7
36	Atmospheric Fossil Fuel CO ₂ Measurement Using a Field Unit in a Central European City During the Winter of 2008/09. Radiocarbon, 2010, 52, 835-845.	0.8	12

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37	Climate control of terrestrial carbon exchange across biomes and continents. Environmental Research Letters, 2010, 5, 034007.	2.2	137
38	CO ₂ surface fluxes at grid point scale estimated from a global 21 year reanalysis of atmospheric measurements. Journal of Geophysical Research, 2010, 115, .	3.3	276
39	Productivity, Respiration, and Light-Response Parameters of World Grassland and Agroecosystems Derived From Flux-Tower Measurements. Rangeland Ecology and Management, 2010, 63, 16-39.	1.1	133
40	Modelling of carbon isotope discrimination by vegetation. Photosynthetica, 2009, 47, 457-470.	0.9	2
41	Spatial representativeness of tall tower eddy covariance measurements using remote sensing and footprint analysis. Agricultural and Forest Meteorology, 2009, 149, 795-807.	1.9	71
42	Modelling photochemical air pollutant formation in Hungary using an adaptive grid technique. International Journal of Environment and Pollution, 2009, 36, 44.	0.2	11
43	Effect of the soil wetness state on the stomatal ozone fluxes over Hungary. International Journal of Environment and Pollution, 2009, 36, 180.	0.2	6
44	Trends and temporal variations of major greenhouse gases at a rural site in Central Europe. Atmospheric Environment, 2008, 42, 8707-8716.	1.9	50
45	Comparing atmospheric transport models for future regional inversions over Europe – Part 1: mapping the atmospheric CO ₂ signals. Atmospheric Chemistry and Physics, 2007, 7, 3461-3479.	1.9	148
46	Partitioning European grassland net ecosystem CO ₂ exchange into gross primary productivity and ecosystem respiration using light response function analysis. Agriculture, Ecosystems and Environment, 2007, 121, 93-120.	2.5	305
47	Parameter estimation for grassland carbon cycle using nonlinear inversion of Biome-BGC. Cereal Research Communications, 2007, 35, 453-456.	0.8	4
48	Tracking changes in carbon monoxide budget over Europe between 1995 and 2000. Atmospheric Environment, 2005, 39, 7297-7306.	1.9	13
49	Long-term tall tower carbon dioxide flux monitoring over an area of mixed vegetation. Agricultural and Forest Meteorology, 2005, 132, 58-77.	1.9	56
50	Regional carbon dioxide fluxes from mixing ratio data. Tellus, Series B: Chemical and Physical Meteorology, 2004, 56, 301-311.	0.8	66
51	The assessment of the seasonal contribution of the anthropogenic sources to the carbon monoxide budget in Europe. Atmospheric Environment, 2004, 38, 4147-4154.	1.9	11
52	Modelling ozone fluxes over Hungary. Atmospheric Environment, 2004, 38, 6211-6222.	1.9	19
53	Simulation of the dispersion of nuclear contamination using an adaptive Eulerian grid model. Journal of Environmental Radioactivity, 2004, 75, 59-82.	0.9	32
54	Spectral analysis of boundary layer ozone data from the EUROTRAC TOR network. Journal of Geophysical Research, 2004, 109, .	3.3	10

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55	Carbon exchange of grass in Hungary. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2003, 55, 187-196.	0.8	29
56	Stable isotope compositions of CO ₂ in background air and at polluted sites in Hungary. <i>Rapid Communications in Mass Spectrometry</i> , 2002, 16, 797-804.	0.7	25
57	Measuring system for the long-term monitoring of biosphere/atmosphere exchange of carbon dioxide. <i>Journal of Geophysical Research</i> , 2001, 106, 3057-3069.	3.3	72
58	The Simulation of Photochemical Smog Episodes in Hungary and Central Europe Using Adaptive Gridding Models. <i>Lecture Notes in Computer Science</i> , 2001, , 67-76.	1.0	5
59	On the representativeness of carbon dioxide measurements. <i>Journal of Geophysical Research</i> , 1999, 104, 26953-26960.	3.3	27
60	On the Spatial Distribution and Seasonal Variation of Lower-Troposphere Ozone over Europe. <i>Journal of Atmospheric Chemistry</i> , 1997, 28, 11-28.	1.4	101
61	Non-methane hydrocarbon measurements in a road tunnel in Budapest. , 1996, , 177-186.		2
62	Carbon dioxide concentration measurements at a rural site in Hungary. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 1995, 47, 17-22.	0.8	9
63	Non-methane hydrocarbon and aldehyde measurements in Budapest, Hungary. <i>Atmospheric Environment Part A General Topics</i> , 1991, 25, 2103-2110.	1.3	25
64	Elemental concentrations and regional signatures in atmospheric aerosols over Hungary. <i>Physica Scripta</i> , 1988, 37, 299-304.	1.2	12
65	On density of precipitation chemistry networks. <i>Environmental Monitoring and Assessment</i> , 1985, 5, 185-197.	1.3	0
66	On the atmospheric sulfur budget over Europe. <i>Atmospheric Environment</i> , 1978, 12, 2273-2277.	1.1	12