

Rostislav Kouznetsov

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

1,039
citations

471371

17
h-index

454834

30
g-index

58
all docs

58
docs citations

58
times ranked

1811
citing authors

#	ARTICLE	IF	CITATIONS
1	Cleaner fuels for ships provide public health benefits with climate tradeoffs. <i>Nature Communications</i> , 2018, 9, 406.	5.8	279
2	Construction of the SILAM Eulerian atmospheric dispersion model based on the advection algorithm of Michael Galperin. <i>Geoscientific Model Development</i> , 2015, 8, 3497-3522.	1.3	110
3	Current state of the global operational aerosol multi-model ensemble: An update from the International Cooperative for Aerosol Prediction (ICAP). <i>Quarterly Journal of the Royal Meteorological Society</i> , 2019, 145, 176-209.	1.0	66
4	A methodology for evaluation of vertical dispersion and dry deposition of atmospheric aerosols. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	61
5	Estimating lockdown-induced European NO ₂ changes using satellite and surface observations and air quality models. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 7373-7394.	1.9	55
6	ARIA digital anamorphosis: Digital transformation of health and care in airway diseases from research to practice. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2021, 76, 168-190.	2.7	46
7	Innovative Strategies for Observations in the Arctic Atmospheric Boundary Layer (ISOBAR) – The Hailuoto 2017 Campaign. <i>Atmosphere</i> , 2018, 9, 268.	1.0	45
8	Wind and turbulence in the urban boundary layer analysis from acoustic remote sensing data and fit to analytical relations. <i>Meteorologische Zeitschrift</i> , 2007, 16, 393-406.	0.5	43
9	Ensemble forecasts of air quality in eastern China – Part 1: Model description and implementation of the MarcoPolo – Panda prediction system, version 1. <i>Geoscientific Model Development</i> , 2019, 12, 33-67.	1.3	39
10	Multi-model ensemble simulations of olive pollen distribution in Europe in 2014: current status and outlook. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 12341-12360.	1.9	25
11	Uncertainty of eddy covariance flux measurements over an urban area based on two towers. <i>Atmospheric Measurement Techniques</i> , 2018, 11, 5421-5438.	1.2	25
12	Ensemble forecasts of air quality in eastern China – Part 2: Evaluation of the MarcoPolo – Panda prediction system, version 1. <i>Geoscientific Model Development</i> , 2019, 12, 1241-1266.	1.3	25
13	The Innovative Strategies for Observations in the Arctic Atmospheric Boundary Layer Project (ISOBAR): Unique Finescale Observations under Stable and Very Stable Conditions. <i>Bulletin of the American Meteorological Society</i> , 2021, 102, E218-E243.	1.7	23
14	Determination of the turbulent fluxes of heat and momentum in the ABL by ground-based remote-sensing techniques (a Review). <i>Meteorologische Zeitschrift</i> , 2007, 16, 325-335.	0.5	21
15	Differential impact of government lockdown policies on reducing air pollution levels and related mortality in Europe. <i>Scientific Reports</i> , 2022, 12, 726.	1.6	20
16	A demonstration project of Global Alliance against Chronic Respiratory Diseases: Prediction of interactions between air pollution and allergen exposure – the Mobile Airways Sentinel Network-Impact of air POLLution on Asthma and Rhinitis approach. <i>Chinese Medical Journal</i> , 2020, 133, 1561-1567.	0.9	19
17	Spatio-temporal monitoring and modelling of birch pollen levels in Belgium. <i>Aerobiologia</i> , 2019, 35, 703-717.	0.7	18
18	The vertical structure of turbulent momentum flux in the lower part of the atmospheric boundary layer. <i>Meteorologische Zeitschrift</i> , 2007, 16, 367-373.	0.5	15

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19	The Composite Shape and Structure of Braid Patterns in Kelvinâ€™Helmholtz Billows Observed with a Sodar. <i>Journal of Atmospheric and Oceanic Technology</i> , 2013, 30, 2704-2711.	0.5	12
20	Snow Samples Combined With Long-Range Transport Modeling to Reveal the Origin and Temporal Variability of Black Carbon in Seasonal Snow in SodankylÄ (67Å°N). <i>Frontiers in Earth Science</i> , 2020, 8, .	0.8	12
21	Simulating age of air and the distribution of SF<sub>6</sub> in the stratosphere with the SILAM model. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 5837-5859.	1.9	10
22	Recent meteorological and marine studies to support nuclear power plant safety in Finland. <i>Energy</i> , 2018, 165, 1102-1118.	4.5	9
23	Sodar Observation of the ABL Structure and Waves over the Black Sea Offshore Site. <i>Atmosphere</i> , 2019, 10, 811.	1.0	8
24	Technical note: Intermittent reduction of the stratospheric ozone over northern Europe caused by a storm in the Atlantic Ocean. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 1839-1847.	1.9	8
25	Modelling grass pollen levels in Belgium. <i>Science of the Total Environment</i> , 2021, 753, 141903.	3.9	7
26	Properties and temporal variability of summertime temperature inversions over <scp>D</scp>ronning <scp>M</scp> and <scp>L</scp> and, <scp>A</scp>ntarctica. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2017, 143, 582-595.	1.0	6
27	A note on precision-preserving compression of scientific data. <i>Geoscientific Model Development</i> , 2021, 14, 377-389.	1.3	4
28	The effect of accounting for public holidays on the skills of the atmospheric composition model SILAM v.5.7. <i>Geoscientific Model Development</i> , 2021, 14, 7459-7475.	1.3	1
29	Reconstructing multi-decadal airborne birch pollen levels based on NDVI data and a pollen transport model. <i>Agricultural and Forest Meteorology</i> , 2022, 320, 108942.	1.9	1
30	Bioaerosols in the atmosphere at two sites in Northern Europe in spring 2021: Outline of an experimental campaign. <i>Environmental Research</i> , 2022, 214, 113798.	3.7	1
31	Impact of the COVID-19 lockdown policies on reducing air pollution levels and related deaths in Europe. <i>ISEE Conference Abstracts</i> , 2021, 2021, .	0.0	0
32	Spatio-Temporal Modeling of Grass and Birch Pollen in Belgium. <i>Springer Proceedings in Complexity</i> , 2021, , 113-118.	0.2	0