

Throstur Thorsteinsson

List of Publications by Year in descending order

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Version: 2024-02-01

43
papers

1,682
citations

331259

21
h-index

301761

39
g-index

48
all docs

48
docs citations

48
times ranked

2355
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Determination of time- and height-resolved volcanic ash emissions and their use for quantitative ash dispersion modeling: the 2010 Eyjafjallajökull eruption. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 4333-4351. | 1.9 | 333 |
| 2 | High-latitude dust in the Earth system. <i>Reviews of Geophysics</i> , 2016, 54, 447-485. | 9.0 | 207 |
| 3 | High levels of particulate matter in Iceland due to direct ash emissions by the Eyjafjallajökull eruption and resuspension of deposited ash. <i>Journal of Geophysical Research</i> , 2012, 117, . | 3.3 | 85 |
| 4 | Ice nucleation properties of volcanic ash from Eyjafjallajökull. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 9911-9926. | 1.9 | 75 |
| 5 | The role of crystal fabric in flow near an ice divide. <i>Journal of Glaciology</i> , 2007, 53, 277-288. | 1.1 | 61 |
| 6 | Health effects following the Eyjafjallajökull volcanic eruption: a cohort study. <i>BMJ Open</i> , 2012, 2, e001851. | 0.8 | 53 |
| 7 | Fabric development with nearest-neighbor interaction and dynamic recrystallization. <i>Journal of Geophysical Research</i> , 2002, 107, ECV 3-1-ECV 3-13. | 3.3 | 51 |
| 8 | Impact of dust deposition on the albedo of Vatnajökull ice cap, Iceland. <i>Cryosphere</i> , 2017, 11, 741-754. | 1.5 | 50 |
| 9 | Dust storm contributions to airborne particulate matter in Reykjavík, Iceland. <i>Atmospheric Environment</i> , 2011, 45, 5924-5933. | 1.9 | 49 |
| 10 | Bed topography and lubrication inferred from surface measurements on fast-flowing ice streams. <i>Journal of Glaciology</i> , 2003, 49, 481-490. | 1.1 | 46 |
| 11 | Strain-rate enhancement at Dye 3, Greenland. <i>Journal of Glaciology</i> , 1999, 45, 338-345. | 1.1 | 45 |
| 12 | Accessibility of protected areas and visitor behaviour: A case study from Iceland. <i>Journal of Outdoor Recreation and Tourism</i> , 2018, 24, 1-10. | 1.3 | 45 |
| 13 | Ice microstructure and fabric: an up-to-date approach for measuring textures. <i>Journal of Glaciology</i> , 2006, 52, 619-630. | 1.1 | 43 |
| 14 | A survey of early health effects of the Eyjafjallajökull 2010 eruption in Iceland: a population-based study. <i>BMJ Open</i> , 2012, 2, e000343. | 0.8 | 43 |
| 15 | Interactions between the atmosphere, cryosphere, and ecosystems at northern high latitudes. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 2015-2061. | 1.9 | 42 |
| 16 | Insulation effects of Icelandic dust and volcanic ash on snow and ice. <i>Arabian Journal of Geosciences</i> , 2016, 9, 1. | 0.6 | 37 |
| 17 | An analytical approach to deformation of anisotropic ice-crystal aggregates. <i>Journal of Glaciology</i> , 2001, 47, 507-516. | 1.1 | 33 |
| 18 | Pathways of high-latitude dust in the North Atlantic. <i>Earth and Planetary Science Letters</i> , 2017, 459, 170-182. | 1.8 | 32 |

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|----|--|-----|-----------|
| 19 | The effects of volcanic eruptions on the frequency of particulate matter suspension events in Iceland. <i>Journal of Aerosol Science</i> , 2019, 128, 99-113. | 1.8 | 31 |
| 20 | The crossover stress, anisotropy and the ice flow law at Siple Dome, West Antarctica. <i>Journal of Glaciology</i> , 2011, 57, 39-52. | 1.1 | 27 |
| 21 | Emergency Hospital Visits in Association with Volcanic Ash, Dust Storms and Other Sources of Ambient Particles: A Time-Series Study in Reykjavík, Iceland. <i>International Journal of Environmental Research and Public Health</i> , 2015, 12, 4047-4059. | 1.2 | 26 |
| 22 | Spatial and temporal scales of anisotropic effects in ice-sheet flow. <i>Annals of Glaciology</i> , 2003, 37, 40-48. | 2.8 | 22 |
| 23 | Shoreline erosion and aeolian deposition along a recently formed hydro-electric reservoir, Bláindulákn, Iceland. <i>Geomorphology</i> , 2010, 114, 542-555. | 1.1 | 22 |
| 24 | Association between Daily Hydrogen Sulfide Exposure and Incidence of Emergency Hospital Visits: A Population-Based Study. <i>PLoS ONE</i> , 2016, 11, e0154946. | 1.1 | 20 |
| 25 | Sliding versus till deformation in the fast motion of an ice stream over a viscous till. <i>Journal of Glaciology</i> , 2000, 46, 633-640. | 1.1 | 19 |
| 26 | Spatial distribution of residential wood combustion emissions in the Nordic countries: How well national inventories represent local emissions?. <i>Atmospheric Environment</i> , 2021, 264, 118712. | 1.9 | 18 |
| 27 | Folding in strongly anisotropic layers near ice-sheet centers. <i>Annals of Glaciology</i> , 2002, 35, 480-486. | 2.8 | 17 |
| 28 | Statistical assessment and modeling of the effects of weather conditions on H ₂ S plume dispersal from Icelandic geothermal power plants. <i>Geothermics</i> , 2013, 45, 31-40. | 1.5 | 17 |
| 29 | Properties of dust source material and volcanic ash in Iceland. <i>Sedimentology</i> , 2020, 67, 3067-3087. | 1.6 | 16 |
| 30 | Increased respiratory morbidity associated with exposure to a mature volcanic plume from a large Icelandic fissure eruption. <i>Nature Communications</i> , 2021, 12, 2161. | 5.8 | 16 |
| 31 | Anisotropic radio-wave scattering from englacial water regimes, Málrdalsjökull, Iceland. <i>Journal of Glaciology</i> , 2007, 53, 473-478. | 1.1 | 14 |
| 32 | Repeated extreme particulate matter episodes due to fireworks in Iceland and stakeholders' response. <i>Journal of Cleaner Production</i> , 2019, 236, 117511. | 4.6 | 14 |
| 33 | Association of air pollution and use of glyceryl trinitrate against angina pectoris: a population-based case-crossover study. <i>Environmental Health</i> , 2013, 12, 38. | 1.7 | 12 |
| 34 | The dynamic effects of sediment availability on the relationship between wind speed and dust concentration. <i>Earth Surface Processes and Landforms</i> , 2018, 43, 2484-2492. | 1.2 | 12 |
| 35 | Strain-rate enhancement at Dye 3, Greenland. <i>Journal of Glaciology</i> , 1999, 45, 338-345. | 1.1 | 10 |
| 36 | Large wildfire in Iceland in 2006: Size and intensity estimates from satellite data. <i>International Journal of Remote Sensing</i> , 2011, 32, 17-29. | 1.3 | 9 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Mitigation of Suspendable Road Dust in a Subpolar, Oceanic Climate. Sustainability, 2021, 13, 9607. | 1.6 | 9 |
| 38 | An Icelandic translation and validation of the revised 19-value Portrait Values Questionnaire. Personality and Individual Differences, 2016, 101, 428-434. | 1.6 | 6 |
| 39 | Participatory Approach to Gap Analysis between Policy and Practice Regarding Air Pollution in Ger Areas of Ulaanbaatar, Mongolia. Sustainability, 2020, 12, 3309. | 1.6 | 5 |
| 40 | Influence of Weather Conditions on Particulate Matter Suspension following the 2010 Eyjafjallajökull Volcanic Eruption. Earth Interactions, 2020, 24, 1-16. | 0.7 | 4 |
| 41 | Protect Me from What I Want: Understanding Excessive Polluting Behavior and the Willingness to Act. Sustainability, 2020, 12, 5867. | 1.6 | 2 |
| 42 | Anisotropy and Flow of Ice. , 0, , 315-317. | | 1 |
| 43 | Medication use in populations exposed to the 2010 Eyjafjallajökull eruption: an interrupted time series analysis. BMJ Open, 2022, 12, e059375. | 0.8 | 0 |