

GS30420 Volcanic Activity: Hazard and Environmental Change

[View Online](#)

1.

Papale P, Marzocchi W. Volcanic threats to global society. *Science*. 2019 Mar 22;363(6433):1275–6.

2.

Francis P, Oppenheimer C. *Volcanoes - 10 copies in the library*. 2nd ed. Oxford: Oxford University Press; 2004.

3.

Chester DK. *Volcanoes and society*. London: E. Arnold; 1994.

4.

Papale P, Shroder JF, editors. *Volcanic hazards, risks and disasters* [Electronic resource]. Oxford: Elsevier; 2014. Available from:
<http://www.vlebooks.com/vleweb/product/openreader?id=AberystUni&isbn=9780123964762>

5.

Jo
,
n
Steingri
,

msson. *Fires of the earth: the Laki eruption, 1783-1784*.
Reykjavi

k: Nordic Volcanological Institute; 1998.

6.

Marti

J, Ernst G. Volcanoes and the environment [Electronic resource]. Cambridge: Cambridge University Press; 2005. Available from:
<http://www.vlebooks.com/vleweb/product/openreader?id=AberystUni&isbn=9780511331343>

7.

Oppenheimer C. Eruptions that shook the world [Electronic resource]. Cambridge: Cambridge University Press; 2011. Available from:
<http://www.vlebooks.com/vleweb/product/openreader?id=AberystUni&isbn=9781139111751>

8.

Lessons from recent Icelandic eruptions [Internet]. Available from:
https://www.chathamhouse.org/sites/default/files/public/Research/Energy,%20Environment%20and%20Development/r0112_highimpact.pdf

9.

Fahrenkamp-Uppenbrink J. Preparing for the next supereruption. Science. 2019 Mar 22;363(6433):1296.16-1298. doi:10.1126/science.363.6433.1296-p

10.

Decker RW, Decker B. Volcanoes. 3rd ed. New York: W. H. Freeman; 1998.

11.

Firth CR, McGuire B. Volcanoes in the Quaternary. Geological Society special publication. London: Geological Society; 1999.

12.

McCoy F, Heiken G. Volcanic hazards and disasters in human antiquity. Special paper / Geological Society of America. Boulder, Colo: Geological Society of America; 2000.

13.

Rothery DA. Volcanoes, earthquakes and tsunamis [Electronic resource]. [New] ed. London: Teach Yourself; 2010. Available from:
<http://www.vlebooks.com/vleweb/product/openreader?id=AberystUni&isbn=9781444127416>

14.

Rosi M, Hyams J. Volcanoes. A Firefly guide. Toronto: Firefly Books; 2003.

15.

Scarth A. Volcanoes: an introduction. London: U C L Press; 1994.

16.

Scarth A. Vulcan's fury: man against the volcano. New Haven: Yale University Press; 1999.

17.

Sigurdsson H. Encyclopedia of volcanoes. San Diego: Academic Press; 2000.

18.

Winchester S. Krakatoa: the day the world exploded, 27 August 1883. London: Penguin Books; 2004.

19.

Alwyn Scarth. La catastrophe: Mount Pelée and the destruction of Saint-Pierre, Martinique - Alwyn Scarth - Google Books [Internet]. Terra, 2002. Available from:
http://books.google.co.uk/books/about/La_catastrophe.html?id=SxROAQAAIAAJ&redir_esc=y

20.

The Economics of Natural Disasters - cesifo-forum-v11-y2010-i2-p014-024.pdf [Internet]. Available from:
<https://www.econstor.eu/bitstream/10419/166388/1/cesifo-forum-v11-y2010-i2-p014-024.pdf>

21.

Sinabung volcano: how culture shapes community resilience [Internet]. Available from:
<https://www.emerald.com/insight/content/doi/10.1108/DPM-05-2018-0160/full/pdf?title=sinabung-volcano-how-culture-shapes-community-resilience> doi:10.1108/DPM-05-2018-0160

22.

Barclay J, Few R, Armijos MT, Phillips JC, Pyle DM, Hicks A, et al. Livelihoods, Wellbeing and the Risk to Life During Volcanic Eruptions. *Frontiers in Earth Science*. 2019 Aug 14;7. doi:10.3389/feart.2019.00205

23.

Armijos MT, Phillips J, Wilkinson E, Barclay J, Hicks A, Palacios P, et al. Adapting to changes in volcanic behaviour: Formal and informal interactions for enhanced risk management at Tungurahua Volcano, Ecuador. *Global Environmental Change*. 2017 Jul;45:217–26. doi:10.1016/j.gloenvcha.2017.06.002

24.

Few R, Armijos MT, Barclay J. Living with Volcan Tungurahua: The dynamics of vulnerability during prolonged volcanic activity. *Geoforum*. 2017 Mar;80:72–81. doi:10.1016/j.geoforum.2017.01.006

25.

Jonathan Stone. Risk reduction through community-based monitoring: the vigías of Tungurahua, Ecuador. *Journal of Applied Volcanology* [Internet]. 2014;3(1). Available from: <https://appliedvolc.biomedcentral.com/articles/10.1186/s13617-014-0011-9>

26.

Andreastuti S, Paripurno E, Gunawan H, Budianto A, Syahbana D, Pallister J. Character of community response to volcanic crises at Sinabung and Kelud volcanoes. *Journal of Volcanology and Geothermal Research*. 2019 Sep;382:298–310. doi:10.1016/j.jvolgeores.2017.01.022

27.

Few R, Armijos MT, Barclay J. Living with Volcan Tungurahua: The dynamics of vulnerability during prolonged volcanic activity. *Geoforum*. 2017 Mar;80:72–81. doi:10.1016/j.geoforum.2017.01.006

28.

Haynes K, Barclay J, Pidgeon N. The issue of trust and its influence on risk communication during a volcanic crisis. *Bulletin of Volcanology*. 2008 Mar;70(5):605–21. doi:10.1007/s00445-007-0156-z

29.

Hizbaron DR, Hadmoko DS, Mei ETW, Murti SH, Laksani MRT, Tiyanasyah AF, et al. Towards measurable resilience: Mapping the vulnerability of at-risk community at Kelud Volcano, Indonesia. *Applied Geography*. 2018 Aug;97:212–27. doi:10.1016/j.apgeog.2018.06.012

30.

Barclay J, Haynes K, Mitchell T, Solana C, Teeuw R, Darnell A, et al. Framing volcanic risk communication within disaster risk reduction: finding ways for the social and physical sciences to work together. Geological Society, London, Special Publications. 2008 Jan 1;305(1):163–77. doi:10.1144/SP305.14

31.

Simkin T, Siebert L, Blong R. Volcano Fatalities--Lessons from the Historical Record. *Science*. 2001 Jan 12;291(5502):255-255. doi:10.1126/science.291.5502.255

32.

Pallister J, Wessels R, Griswold J, McCausland W, Kartadinata N, Gunawan H, et al. Monitoring, forecasting collapse events, and mapping pyroclastic deposits at Sinabung volcano with satellite imagery. *Journal of Volcanology and Geothermal Research*. 2019 Sep;382:149-63. doi:10.1016/j.jvolgeores.2018.05.012

33.

Journal of Volcanology and Geothermal Research: Special issue on Sinabung and Kelud [Internet]. Vol. 382. 2019;382. Available from: <https://www.sciencedirect.com/journal/journal-of-volcanology-and-geothermal-research/vol/382/suppl/C>

34.

Delos Reyes PJ, Bornas MaAV, Dominey-Howes D, Pidlaoan AC, Magill CR, Solidum, Jr. RU. A synthesis and review of historical eruptions at Taal Volcano, Southern Luzon, Philippines. *Earth-Science Reviews*. 2018 Feb;177:565-88. doi:10.1016/j.earscirev.2017.11.014

35.

Witham CS. Volcanic disasters and incidents: A new database. *Journal of Volcanology and Geothermal Research*. 2005 Dec;148(3-4):191-233. doi:10.1016/j.jvolgeores.2005.04.017

36.

Le Pennec JL, Ramón P, Robin C, Almeida E. Combining historical and ¹⁴C data to assess pyroclastic density current hazards in Baños city near Tungurahua volcano (Ecuador). *Quaternary International*. 2016 Feb;394:98-114. doi:10.1016/j.quaint.2015.06.052

37.

Pistolesi M, Cioni R, Rosi M, Aguilera E. Lahar hazard assessment in the southern drainage system of Cotopaxi volcano, Ecuador: Results from multiscale lahar simulations.

Geomorphology. 2014 Feb;207:51–63. doi:10.1016/j.geomorph.2013.10.026

38.

Pistolesi M, Cioni R, Rosi M, Aguilera E. Lahar hazard assessment in the southern drainage system of Cotopaxi volcano, Ecuador: Results from multiscale lahar simulations. Geomorphology. 2014 Feb;207:51–63. doi:10.1016/j.geomorph.2013.10.026

39.

Pistolesi M, Cioni R, Rosi M, Cashman KV, Rossotti A, Aguilera E. Evidence for lahar-triggering mechanisms in complex stratigraphic sequences: the post-twelfth century eruptive activity of Cotopaxi Volcano, Ecuador. Bulletin of Volcanology. 2013 Mar;75(3). doi:10.1007/s00445-013-0698-1

40.

Barberi F, Martini M, Rosi M. Nevado del Ruiz volcano (Colombia): pre-eruption observations and the November 13, 1985 catastrophic event. Journal of Volcanology and Geothermal Research. 1990 Jul;42(1–2):1–12. doi:10.1016/0377-0273(90)90066-O

41.

Künzler M, Huggel C, Ramírez JM. A risk analysis for floods and lahars: case study in the Cordillera Central of Colombia. Natural Hazards. 2012 Oct;64(1):767–96. doi:10.1007/s11069-012-0271-9

42.

Dibben C, Chester DK. Human vulnerability in volcanic environments: the case of Furnas, São Miguel, Azores. Journal of Volcanology and Geothermal Research. 1999 Sep;92(1–2):133–50. doi:10.1016/S0377-0273(99)00072-4

43.

Fearnley CJ, Bird DK, Haynes K, McGuire WJ, Jolly G, editors. Observing the Volcano World: Volcano Crisis Communication [Electronic resource]. 1st ed. 2018. Cham: Springer International Publishing; 2018. Available from: <http://eu.alma.exlibrisgroup.com/view/action/uresolver.do?operation=resolveService&pack>

age_service_id=3783283660002418&institutionId=2418&customerId=2415

44.

Leonard GS, Johnston DM, Paton D, Christianson A, Becker J, Keys H. Developing effective warning systems: Ongoing research at Ruapehu volcano, New Zealand. *Journal of Volcanology and Geothermal Research*. 2008 May;172(3-4):199-215.
doi:10.1016/j.jvolgeores.2007.12.008

45.

De la Cruz-Reyna S, Tilling RI. Scientific and public responses to the ongoing volcanic crisis at Popocatepetl Volcano, Mexico: Importance of an effective hazards-warning system. *Journal of Volcanology and Geothermal Research*. 2008 Feb;170(1-2):121-34.
doi:10.1016/j.jvolgeores.2007.09.002

46.

Hazard information management during the autumn 2004 reawakening of Mount St. Helens volcano, Washington: Chapter 24 in *A volcano rekindled: the renewed eruption of Mount St. Helens, 2004-2006* [Internet]. Available from:
<http://pubs.er.usgs.gov/publication/pp175024>

47.

Communicating eruption and hazard forecasts on Vesuvius, Southern Italy [Internet]. Available from:
http://www.ucl.ac.uk/volcanoscope/files/pdf%20files/Solana%20et%20al_Hazard%20Perception_Vesuvius_JVGR_2008.pdf

48.

Chester DK, Duncan AM, Sangster H. Human responses to eruptions of Etna (Sicily) during the late-Pre-Industrial Era and their implications for present-day disaster planning. *Journal of Volcanology and Geothermal Research*. 2012 May;225-226:65-80.
doi:10.1016/j.jvolgeores.2012.02.017

49.

Allibone R, Cronin SJ, Charley DT, Neall VE, Stewart RB, Oppenheimer C. Dental fluorosis linked to degassing of Ambrym volcano, Vanuatu: a novel exposure pathway. *Environmental Geochemistry and Health*. 2012 Apr;34(2):155–70. doi:10.1007/s10653-010-9338-2

50.

Connor CB. Exploring links between physical and probabilistic models of volcanic eruptions: The Soufrière Hills Volcano, Montserrat. *Geophysical Research Letters*. 2003;30(13). doi:10.1029/2003GL017384

51.

Expert judgment and the Montserrat Volcano eruption [Internet]. Available from: <http://dutiosc.twi.tudelft.nl/~risk/extrfiles/EJcourse/Sheets/Aspinall%20&%20Cooke%20PSAM4%203-9.pdf>

52.

Bias S, Bonadonna C. A fast GIS-based risk assessment for tephra fallout: the example of Cotopaxi volcano, Ecuador. *Natural Hazards*. 2013 Jan;65(1):477–95. doi:10.1007/s11069-012-0378-z

53.

Evidence---based volcanology: application to eruption crises [Internet]. Available from: http://www.geo.mtu.edu/~raman/VTimeSer/Bayesian_files/aspinall_etal_evidence_based_volcanology_application_eruption_crisis_Galeras.pdf

54.

Barberi F, Carapezza ML, Valenza M, Villari L. The control of lava flow during the 1991–1992 eruption of Mt. Etna. *Journal of Volcanology and Geothermal Research*. 1993 May;56(1–2):1–34. doi:10.1016/0377-0273(93)90048-V

55.

A new approach to assess long---term lava flow hazard and risk using GIS and low---cost remote sensing: the case of Mount Cameroon, West Africa [Internet]. Available from:

<http://www.tandfonline.com/doi/pdf/10.1080/01431160802167873>

56.

Chester DK, Dikken CJL, Duncan AM. Volcanic hazard assessment in western Europe. *Journal of Volcanology and Geothermal Research*. 2002 Jun;115(3-4):411-35. doi:10.1016/S0377-0273(02)00210-X

57.

Recent structural evolution of the Cumbre Vieja volcano, La Palma, Canary Islands: volcanic rift zone reconfiguration as a precursor to volcano flank instability [Internet]. Available from: <http://www.geo.arizona.edu/~andyf/LaPalma/Rift%20Zone.pdf>

58.

Fearnley CJ, McGuire WJ, Davies G, Twigg J. Standardisation of the USGS Volcano Alert Level System (VALS): analysis and ramifications. *Bulletin of Volcanology*. 2012 Nov;74(9):2023-36. doi:10.1007/s00445-012-0645-6

59.

Newhall C, Hoblitt R. Constructing event trees for volcanic crises. *Bulletin of Volcanology*. 2002 Mar;64(1):3-20. doi:10.1007/s004450100173

60.

Tilling RI, Lipman PW. Lessons in reducing volcano risk. *Nature*. 1993 Jul 22;364(6435):277-80. doi:10.1038/364277a0

61.

Bias S, Bonadonna C. A fast GIS-based risk assessment for tephra fallout: the example of Cotopaxi volcano, Ecuador. *Natural Hazards*. 2013 Jan;65(1):477-95. doi:10.1007/s11069-012-0378-z

62.

Countries | UNITAR [Internet]. Available from: <https://unitar.org/maps/countries>

63.

Sparks RSJ, Aspinall WP. Volcanic activity: Frontiers and challenges in forecasting, prediction and risk assessment. In: The state of the planet: frontiers and challenges in geophysics [Internet]. Washington, DC: American Geophysical Union; 2004. p. 359–73. Available from: <https://doi.org/10.1029/150GM28>

64.

Takehiro H. School-community collaboration in disaster education in a primary school near Merapi volcano in Java Island. In: AIP Conference Proceedings [Internet]. Author(s); 2016. Available from: <http://aip.scitation.org/doi/abs/10.1063/1.4947418> doi:10.1063/1.4947418

65.

Sandri L, Thouret JC, Constantinescu R, Blass S, Tonini R. Long-term multi-hazard assessment for El Misti volcano (Peru). Bulletin of Volcanology. 2014 Feb;76(2). doi:10.1007/s00445-013-0771-9

66.

Solikhin A, Thouret JC, Liew SC, Gupta A, Sayudi DS, Oehler JF, et al. High-spatial-resolution imagery helps map deposits of the large (VEI 4) 2010 Merapi Volcano eruption and their impact. Bulletin of Volcanology. 2015 Mar;77(3). doi:10.1007/s00445-015-0908-0

67.

Bakkour D, Enjolras G, Thouret JC, Kast R, Mei ETW, Prihatminingtyas B. The adaptive governance of natural disaster systems: Insights from the 2010 mount Merapi eruption in Indonesia. International Journal of Disaster Risk Reduction. 2015 Sep;13:167–88. doi:10.1016/j.ijdr.2015.05.006

68.

Shaw R, Pulhin JM, Pereira JJ. Climate change adaptation and disaster risk reduction: an Asian perspective, Vol. 5 [Electronic resource]. 1st ed. v. 5. Bradford, U.K.: Emerald Group

Pub. Ltd; 2010. Available from:

http://eu.alma.exlibrisgroup.com/view/action/uresolver.do?operation=resolveService&package_service_id=4047952180002418&institutionId=2418&customerId=2415

69.

Angela K Diefenbach. Variations in community exposure to lahar hazards from multiple volcanoes in Washington State (USA). *Journal of Applied Volcanology* [Internet]. 2015;4(1). Available from: <https://appliedvolc.biomedcentral.com/articles/10.1186/s13617-015-0024-z>

70.

Assessing hazards to aviation from sulfur dioxide emitted by explosive Icelandic eruptions - Schmidt et al, 2014, JGR, *Assessing_SO2_aviation_hazards.pdf* [Internet]. Available from: http://eprints.whiterose.ac.uk/82709/1/Schmidt%20et%20al%2C%202014%2C%20JGR%2C%20Assessing_SO2_aviation_hazards.pdf

71.

Anja Schmidt, Claire S. Witham, Nicolas Theys, Nigel A. D. Richards, Thorvaldur Thordarson, Kate Szpek, Wuhu Feng, Matthew C. Hort, Alan M. Woolley, Andrew R. Jones, Alison L. Redington, Ben T. Johnson, Chris L. Hayward, Kenneth S. Carslaw. Assessing hazards to aviation from sulfur dioxide emitted by explosive Icelandic eruptions. *Journal of Geophysical Research: Atmospheres*. 2014;119(24):14,180-14,196. doi:10.1002/2014JD022070

72.

Longo BM, Rossignol A, Green JB. Cardiorespiratory health effects associated with sulphurous volcanic air pollution. *Public Health*. 2008 Aug;122(8):809-20. doi:10.1016/j.puhe.2007.09.017

73.

Olsson J, Stipp SLS, Dalby KN, Gislason SR. Rapid release of metal salts and nutrients from the 2011 Grímsvötn, Iceland volcanic ash. *Geochimica et Cosmochimica Acta*. 2013 Dec;123:134-49. doi:10.1016/j.gca.2013.09.009

74.

Cooper CL, Swindles GT, Savov IP, Schmidt A, Bacon KL. Evaluating the relationship between climate change and volcanism. *Earth-Science Reviews*. 2018 Feb;177:238–47. doi:10.1016/j.earscirev.2017.11.009

75.

Robock A. Volcanic eruptions and climate. *Reviews of Geophysics*. 2000 May;38(2):191–219. doi:10.1029/1998RG000054

76.

Robock A. Climatic impact of volcanic emissions. In: *The State of the Planet: Frontiers and Challenges in Geophysics* [Internet]. [Place of publication not identified]: American Geophysical Union; 2004. p. 125–34. Available from: <https://doi.org/10.1029/150GM11>

77.

Sigl M, Winstrup M, McConnell JR, Welten KC, Plunkett G, Ludlow F, et al. Timing and climate forcing of volcanic eruptions for the past 2,500 years. *Nature*. 2015 Jul;523(7562):543–9. doi:10.1038/nature14565

78.

McConnell JR, Burke A, Dunbar NW, Köhler P, Thomas JL, Arienzo MM, et al. Synchronous volcanic eruptions and abrupt climate change ~17.7 ka plausibly linked by stratospheric ozone depletion. *Proceedings of the National Academy of Sciences*. 2017 Sep 19;114(38):10035–40. doi:10.1073/pnas.1705595114

79.

Miller GH, Geirsdóttir Á, Zhong Y, Larsen DJ, Otto-Bliesner BL, Holland MM, et al. Abrupt onset of the Little Ice Age triggered by volcanism and sustained by sea-ice/ocean feedbacks. *Geophysical Research Letters*. 2012 Jan;39(2):n/a-n/a. doi:10.1029/2011GL050168

80.

Bethke I, Outten S, Otterå OH, Hawkins E, Wagner S, Sigl M, et al. Potential volcanic impacts on future climate variability. *Nature Climate Change*. 2017 Nov;7(11):799–805. doi:10.1038/nclimate3394

81.

Matthew Toohey. Volcanic stratospheric sulfur injections and aerosol optical depth from 500 BCE to 1900 CE. *Earth System Science Data* [Internet]. 9(2):809–809. Available from: <https://go.gale.com/ps/i.do?&id=GALE|A513556448&v=2.1&u=uniaber&p;it=r&p=AONE&sw=w>

82.

Timmreck C. Modeling the climatic effects of large explosive volcanic eruptions. *Wiley Interdisciplinary Reviews: Climate Change*. 2012 Nov;3(6):545–64. doi:10.1002/wcc.192

83.

Sun C, Plunkett G, Liu J, Zhao H, Sigl M, McConnell JR, et al. Ash from Changbaishan Millennium eruption recorded in Greenland ice: Implications for determining the eruption's timing and impact. *Geophysical Research Letters*. 2014 Jan 28;41(2):694–701. doi:10.1002/2013GL058642

84.

Wilson RM. Variation of surface air temperatures in relation to El Niño and cataclysmic volcanic eruptions, 1796–1882. *Journal of Atmospheric and Solar-Terrestrial Physics*. 1999 Nov;61(17):1307–19. doi:10.1016/S1364-6826(99)00055-3

85.

Oman L, Robock A, Stenchikov GL, Thordarson T. High-latitude eruptions cast shadow over the African monsoon and the flow of the Nile. *Geophysical Research Letters*. 2006 Sep;33(18):n/a–n/a. doi:10.1029/2006GL027665

86.

Manning JG, Ludlow F, Stine AR, Boos WR, Sigl M, Marlon JR. Volcanic suppression of Nile

summer flooding triggers revolt and constrains interstate conflict in ancient Egypt. *Nature Communications*. 2017 Dec;8(1). doi:10.1038/s41467-017-00957-y

87.

Arfeuille F, Weisenstein D, Mack H, Rozanov E, Peter T, Brönnimann S. Volcanic forcing for climate modeling: a new microphysics-based data set covering years 1600–present. *Climate of the Past*. 2014 Feb 20;10(1):359–75. doi:10.5194/cp-10-359-2014

88.

Sadler JP, Grattan JP. Volcanoes as agents of past environmental change. *Global and Planetary Change*. 1999 Jul;21(1–3):181–96. doi:10.1016/S0921-8181(99)00014-4

89.

D'Arrigo R, Wilson R, Anchukaitis KJ. Volcanic cooling signal in tree ring temperature records for the past millennium. *Journal of Geophysical Research: Atmospheres*. 2013 Aug 27;118(16):9000–10. doi:10.1002/jgrd.50692

90.

H. Tuffen and R. Betts. Volcanism and climate: chicken and egg (or vice versa)? *Philosophical Transactions: Mathematical, Physical and Engineering Sciences* [Internet]. 2010;368(1919):2585–8. Available from: <http://www.jstor.org/stable/25753430>

91.

Abdullah, Mikrajuddin. Interpretation of Past Kingdoms Poems to Reconstruct the Physical Phenomena in the Past: Case of Great Tambora Eruption 1815 [Internet]. 2012. Available from: https://whel-primo.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=TN_arxiv1609.09225&context=PC&vid=44WHELF_ABW_VU1&lang=en_US&search_scope=Blended&adaptor=primo_central_multiple_fe&tab=blended&query=any,contains,tambora&offset=0

92.

Torrence R, Grattan J. Natural disasters and cultural change [Internet]. *One world*

archaeology. London: Routledge; 2002. Available from:
http://eu.alma.exlibrisgroup.com/view/action/uresolver.do?operation=resolveService&package_service_id=3037246860002418&institutionId=2418&customerId=2415

93.

Harington CR. The Year without a summer?: world climate in 1816. Ottawa: Canadian Museum of Nature; 1992.

94.

Oppenheimer C. Climatic, environmental and human consequences of the largest known historic eruption: Tambora volcano (Indonesia) 1815. Progress in Physical Geography. 2003 Jun 1;27(2):230-59. doi:10.1191/0309133303pp379ra

95.

Behringer W, Selwyn PE. Tambora and the year without a summer: how a volcano plunged the world into crisis. Medford, MA: Polity; 2019.

96.

Rössler O, Brönnimann S. The effect of the Tambora eruption on Swiss flood generation in 1816/1817. Science of The Total Environment. 2018 Jun;627:1218-27. doi:10.1016/j.scitotenv.2018.01.254

97.

Kandlbauer J, Sparks RSJ. New estimates of the 1815 Tambora eruption volume. Journal of Volcanology and Geothermal Research. 2014 Oct;286:93-100. doi:10.1016/j.jvolgeores.2014.08.020

98.

Stothers, Richard B. The great Tambora eruption in 1815 and its aftermath. Science [Internet]. 2012;224. Available from:
https://whel-primo.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=TN_gale_ofa3309276&context=PC&vid=44WHELF_ABW_VU1&lang=en_US&search_scope=Blended&adaptor=primo_central_multiple_fe&tab=blended&query=

any,contains,tambora&offset=0

99.

Gao C, Gao Y, Zhang Q, Shi C. Climatic aftermath of the 1815 Tambora eruption in China. *Journal of Meteorological Research*. 2017 Feb;31(1):28–38.
doi:10.1007/s13351-017-6091-9

100.

Cao, Shuji. Mt. Tambora, Climatic Changes, and China's Decline in the Nineteenth Century. *Journal of World History* [Internet]. 2012;23(3):587–607. Available from:
https://whel-primo.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=TN_museS1527805012300043&context=PC&vid=44WHELF_ABW_VU1&lang=en_US&search_scope=Blended&adaptor=primo_central_multiple_fe&tab=blended&query=any,contains,tambora&offset=0

101.

Kandlbauer J, Hopcroft PO, Valdes PJ, Sparks RSJ. Climate and carbon cycle response to the 1815 Tambora volcanic eruption. *Journal of Geophysical Research: Atmospheres*. 2013 Nov 27;118(22):12,497–12,507. doi:10.1002/2013JD019767

102.

Marshall, Lauren. Multi-model comparison of the volcanic sulfate deposition from the 1815 eruption of Mt. Tambora. *Atmospheric Chemistry and Physics*. 18(3):2307–28.
doi:<https://doi.org/10.5194/acp-18-2307-2018>

103.

After Tambora. *The Economist* [Internet]. 20150411. Available from:
<https://www.economist.com/news/briefing/21647958-two-hundred-years-ago-most-powerful-eruption-modern-history-made-itself-felt-around>

104.

Vakulenko NV, Sonechkin DM. Analysis of early instrumental air temperature observations before and after the Tambora volcano eruption. *Russian Meteorology and Hydrology*. 2017

Oct;42(10):677–84. doi:10.3103/S1068373917100089

105.

Alexander KE, Leavenworth WB, Willis TV, Hall C, Mattocks S, Bittner SM, et al. Tambora and the mackerel year: Phenology and fisheries during an extreme climate event. *Science Advances*. 2017 Jan;3(1). doi:10.1126/sciadv.1601635

106.

Lorenz S. Exploring the climate response to the Tambora in 1815 and the 1809 tropical eruption. *Quaternary International*. 2012 Nov;279–280. doi:10.1016/j.quaint.2012.08.770

107.

Flückiger S, Brönnimann S, Holzkämper A, Fuhrer J, Krämer D, Pfister C, et al. Simulating crop yield losses in Switzerland for historical and present Tambora climate scenarios. *Environmental Research Letters*. 2017 Jul 1;12(7). doi:10.1088/1748-9326/aa7246

108.

Cole-Dai J, Ferris D, Lanciki A, Savarino J, Baroni M, Thiemens MH. Cold decade (AD 1810–1819) caused by Tambora (1815) and another (1809) stratospheric volcanic eruption. *Geophysical Research Letters*. 2009 Nov 21;36(22). doi:10.1029/2009GL040882

109.

Yalcin K, Wake CP, Kreutz KJ, Germani MS, Whitlow SJ. Ice core evidence for a second volcanic eruption around 1809 in the Northern Hemisphere. *Geophysical Research Letters*. 2006;33(14). doi:10.1029/2006GL026013

110.

A. Guevara-Murua. Observations of a stratospheric aerosol veil from a tropical volcanic eruption in December 1808: is this the Unknown ~1809 eruption? *Climate of the Past* [Internet]. 10(5):1707–1707. Available from: <https://go.gale.com/ps/i.do?&id=GALE|A481428553&v=2.1&u=uniaber&am>

p;it=r&p=AONE&sw=w

111.

Gale General OneFile - Document - First eyewitness accounts of mystery volcanic eruption [Internet]. Available from:
<https://go.gale.com/ps/i.do?&id=GALE|A383506238&v=2.1&u=uniaber&p;it=r&p=ITOF&sw=w>

112.

Brá. Climatic effects and impacts of the 1815 eruption of Mount Tambora in the Czech Lands. *Climate of the Past* [Internet]. 2012;12(6). Available from:
https://whel-primo.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=TN_gale_ofa503206931&context=PC&vid=44WHELF_ABW_VU1&lang=en_US&search_scope=Blended&adaptor=primo_central_multiple_fe&tab=blended&query=any,contains,tambora&offset=0

113.

Veale L, Endfield GH. Situating 1816, the 'year without summer', in the UK. *The Geographical Journal*. 2016 Dec;182(4):318-30. doi:10.1111/geoj.12191

114.

Gertisser, R. The great 1815 eruption of Tambora and future risks from large-scale volcanism.(Report). *Geology Today* [Internet]. 2012;31(4). Available from:
https://whel-primo.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=TN_gale_ofa423720429&context=PC&vid=44WHELF_ABW_VU1&lang=en_US&search_scope=Blended&adaptor=primo_central_multiple_fe&tab=blended&query=any,contains,tambora&offset=0

115.

Hubbard Z. Paintings in the Year Without a Summer. *Philologia*. 2019 Apr 30;11(1). doi:10.21061/ph.173

116.

Robock A. The Climatic Aftermath. *Science*. 2002 Feb 15;295(5558):1242-4.
doi:10.1126/science.1069903

117.

Aquila V, Oman LD, Stolarski RS, Colarco PR, Newman PA. Dispersion of the volcanic sulfate cloud from a Mount Pinatubo-like eruption. *Journal of Geophysical Research: Atmospheres*. 2012 Mar 27;117(D6):n/a-n/a. doi:10.1029/2011JD016968

118.

Brian J. Soden. Global cooling after the eruption of Mount Pinatubo: A test of climate feedback by water vapor. (Reports). *Science [Internet]*. 296(5568):727-31. Available from: <https://go.gale.com/ps/i.do?p=AONE&u=uniaber&id=GALE|A86062245&v=2.1&it=r>

119.

Tang Q, Hess PG, Brown-Steiner B, Kinnison DE. Tropospheric ozone decrease due to the Mount Pinatubo eruption: Reduced stratospheric influx. *Geophysical Research Letters*. 2013 Oct 28;40(20):5553-8. doi:10.1002/2013GL056563

120.

Meehl GA, Teng H, Maher N, England MH. Effects of the Mount Pinatubo eruption on decadal climate prediction skill of Pacific sea surface temperatures. *Geophysical Research Letters*. 2015 Dec 28;42(24):10,840-10,846. doi:10.1002/2015GL066608

121.

Grattan J, Torrence R, World Archaeological Congress. Living under the shadow: cultural impacts of volcanic eruptions [Electronic resource]. Vol. 53. Walnut Creek, Calif: Left Coast Press; 2007. Available from:
http://eu.alma.exlibrisgroup.com/view/action/uresolver.do?operation=resolveService&package_service_id=3794712070002418&institutionId=2418&customerId=2415

122.

Franck Lavigne, Jean-Philippe Degeai, Jean-Christophe Komorowski, Sébastien Guillet, Vincent Robert, Pierre Lahitte, Clive Oppenheimer, Markus Stoffel, Céline M. Vidal, Surono, Indyo Pratomo, Patrick Wassmer, Irka Hajdas, Danang Sri Hadmoko and Edouard de Belizal. Source of the great A.D. 1257 mystery eruption unveiled, Samalas volcano, Rinjani Volcanic Complex, Indonesia. *Proceedings of the National Academy of Sciences of the United States of America* [Internet]. 2013;110(42). Available from: https://www.jstor.org/stable/23750657?seq=1#metadata_info_tab_contents

123.

Vidal CM, Métrich N, Komorowski JC, Pratomo I, Michel A, Kartadinata N, et al. The 1257 Samalas eruption (Lombok, Indonesia): the single greatest stratospheric gas release of the Common Era. *Scientific Reports*. 2016 Dec;6(1). doi:10.1038/srep34868

124.

Campbell BMS. GLOBAL CLIMATES, THE 1257 MEGA-ERUPTION OF SAMALAS VOLCANO, INDONESIA, AND THE ENGLISH FOOD CRISIS OF 1258. *Transactions of the Royal Historical Society*. 2017 Dec;27:87–121. doi:10.1017/S0080440117000056

125.

London's volcanic winter - *Current Archaeology* [Internet]. Available from: <https://www.archaeology.co.uk/articles/features/londons-volcanic-winter.htm>

126.

Guillet, S. Climate response to the 1257 Samalas eruption revealed 1 by proxy records [Internet]. 2017. Available from: <https://www.repository.cam.ac.uk/handle/1810/262757>

127.

YANG Z, LONG N, WANG Y, ZHOU X, LIU Y, SUN L. A great volcanic eruption around AD 1300 recorded in lacustrine sediment from Dongdao Island, South China Sea. *Journal of Earth System Science*. 2017 Feb;126(1). doi:10.1007/s12040-016-0790-y

128.

Alloway BV, Andreastuti S, Setiawan R, Miksic J, Hua Q. Archaeological implications of a widespread 13th Century tephra marker across the central Indonesian Archipelago. *Quaternary Science Reviews*. 2017 Jan;155:86–99. doi:10.1016/j.quascirev.2016.11.020

129.

Toohey M, Krüger K, Sigl M, Stordal F, Svensen H. Climatic and societal impacts of a volcanic double event at the dawn of the Middle Ages. *Climatic Change*. 2016 Jun;136(3–4):401–12. doi:10.1007/s10584-016-1648-7

130.

Pfister C, Schwarz-Zanetti G, Wegmann M, Luterbacher J. Winter air temperature variations in western Europe during the Early and High Middle Ages (AD 750–1300). *The Holocene*. 1998 Sep 1;8(5):535–52. doi:10.1191/095968398675289943

131.

Gräslund, BoPrice, Neil. Twilight of the gods? The dust veil event of AD 536 in critical perspective [Internet]. Vol. 86. 86(2):428–43. Available from: <https://search.proquest.com/docview/1021249071/9F226CEE94194FE3PQ/1?accountid=14783>

132.

cp-2017-147.pdf [Internet]. Available from: <https://www.clim-past-discuss.net/cp-2017-147/cp-2017-147.pdf>

133.

Baldini JUL, Brown RJ, Mawdsley N. Evaluating the link between the sulfur-rich Laacher See volcanic eruption and the Younger Dryas climate anomaly. *Climate of the Past*. 2018 Jul 4;14(7):969–90. doi:10.5194/cp-14-969-2018

134.

Dogar MM, Stenchikov G, Osipov S, Wyman B, Zhao M. Sensitivity of the regional climate in the Middle East and North Africa to volcanic perturbations. *Journal of Geophysical*

Research: Atmospheres. 2017 Aug 16;122(15):7922–48. doi:10.1002/2017JD026783

135.

Muhammad Mubashar Dogar. Ocean Sensitivity to Periodic and Constant Volcanism. Scientific Reports [Internet]. 2020;10(1):1–15. Available from: <https://doaj.org/article/905bab3aa68c4f97bbd9c963984ae3f1>

136.

Joanna Slawinska. Impact of Volcanic Eruptions on Decadal to Centennial Fluctuations of Arctic Sea Ice Extent during the Last Millennium and on Initiation of the Little Ice Age [Internet]. 2018 Feb 15. doi:JCLI-D-16-0498

137.

Brian Zambri, Allegra N. LeGrande, Alan Robock, Joanna Slawinska. Northern Hemisphere winter warming and summer monsoon reduction after volcanic eruptions over the last millennium. Journal of Geophysical Research: Atmospheres. 2017;122(15):7971–89. doi:10.1002/2017JD026728

138.

Papale P. Global time-size distribution of volcanic eruptions on Earth. Scientific Reports. 2018 Dec;8(1). doi:10.1038/s41598-018-25286-y

139.

Understanding the environmental impacts of large fissure eruptions: Aerosol and gas emissions from the 2014–2015 Holuhraun eruption (Iceland) - 1-s2.0-S0012821X17302911-main.pdf [Internet]. Available from: <https://discovery.ucl.ac.uk/id/eprint/10074536/1/1-s2.0-S0012821X17302911-main.pdf>

140.

Zambri B, Robock A, Mills MJ, Schmidt A. Modeling the 1783–1784 Laki Eruption in Iceland: 1. Aerosol Evolution and Global Stratospheric Circulation Impacts. Journal of Geophysical Research: Atmospheres. 2019 Jul 4. doi:10.1029/2018JD029553

141.

Zambri B, Robock A, Mills MJ, Schmidt A. Modeling the 1783–1784 Laki Eruption in Iceland: 2. Climate Impacts. *Journal of Geophysical Research: Atmospheres*. 2019 Jul 4. doi:10.1029/2018JD029554

142.

Anja Schmidt, Bart Ostro, Kenneth S. Carslaw, Marjorie Wilson, Thorvaldur Thordarson, Graham W. Mann and Adrian J. Simmons. Excess mortality in Europe following a future Laki-style Icelandic eruption. *Proceedings of the National Academy of Sciences of the United States of America* [Internet]. 2011;108(38):15710–5. Available from: http://www.jstor.org/stable/41352334?seq=1#page_scan_tab_contents

143.

Jo
,
n
, Steingri

msson. *Fires of the earth: the Laki eruption, 1783-1784*.
Reykjavi

k: Nordic Volcanological Institute; 1998.

144.

Grattan JP, Pyatt FB. Acid damage to vegetation following the Laki fissure eruption in 1783 — an historical review. *Science of The Total Environment*. 1994 Jul;151(3):241–7. doi:10.1016/0048-9697(94)90473-1

145.

Pollution and paradigms: lessons from Icelandic volcanism for - Pollution and paradigms1.pdf [Internet]. Available from: <http://cadair.aber.ac.uk/dspace/bitstream/handle/2160/234/Pollution%20and%20paradigms1.pdf?sequence=1>

146.

Atmospheric and environmental effects of the 1783---1784 Laki eruption: a review and reassessment [Internet]. Available from:
<http://seismo.berkeley.edu/~manga/LIPS/thordarson03.pdf>

147.

Lanciki A, Cole-Dai J, Thiemens MH, Savarino J. Sulfur isotope evidence of little or no stratospheric impact by the 1783 Laki volcanic eruption. *Geophysical Research Letters*. 2012 Jan;39(1):n/a-n/a. doi:10.1029/2011GL050075

148.

Effects of volcanic air pollution on health [Internet]. Available from:
https://www.researchgate.net/publication/12118448_Effects_of_volcanic_air_pollution_on_health

149.

Anja Schmidt, Bart Ostro, Kenneth S. Carslaw, Marjorie Wilson, Thorvaldur Thordarson, Graham W. Mann and Adrian J. Simmons. Excess mortality in Europe following a future Laki-style Icelandic eruption. *Proceedings of the National Academy of Sciences of the United States of America* [Internet]. 2011;108(38):15710-5. Available from:
http://www.jstor.org/stable/41352334?seq=1#page_scan_tab_contents

150.

Witham CS, Oppenheimer C. Mortality in England during the 1783?4 Laki Craters eruption. *Bulletin of Volcanology*. 2004 Dec;67(1):15-26. doi:10.1007/s00445-004-0357-7

151.

Non-climatic factors and the environmental impact of volcanic volatiles: Implications of the Laki fissure eruption of AD 1783 [Internet]. Available from:
https://www.researchgate.net/publication/249868764_Non-climatic_factors_and_the_environmental_impact_of_volcanic_volatiles_Implications_of_the_Laki_fissure_eruption_of_AD_1783

152.

Stone, Richard. Iceland's doomsday scenario? The more researchers learn about the unheralded Laki eruption of 1783, the more they see a need to prepare for a reprise that could include fluoride poisoning and widespread air pollution.(News Focus). Science [Internet]. 2010;306(5700). Available from: https://whel-primo.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=TN_gale_ofa126164075&context=PC&vid=44WHELF_ABW_VU1&lang=en_US&search_scope=Blended&adaptor=primo_central_multiple_fe&tab=blended&query=any,contains,%22laki%20eruption%22&offset=0

153.

Trigo RM, Vaquero JM, Stothers RB. Witnessing the impact of the 1783–1784 Laki eruption in the Southern Hemisphere. Climatic Change. 2010 Apr;99(3–4):535–46. doi:10.1007/s10584-009-9676-1

154.

D'Arrigo R, Seager R, Smerdon JE, LeGrande AN, Cook ER. The anomalous winter of 1783-1784: Was the Laki eruption or an analog of the 2009-2010 winter to blame? Geophysical Research Letters. 2011 Mar 16;38(5):n/a-n/a. doi:10.1029/2011GL046696

155.

Balkanski Y, Menut L, Garnier E, Wang R, Evangeliou N, Jourdain S, et al. Mortality induced by PM2.5 exposure following the 1783 Laki eruption using reconstructed meteorological fields. Scientific Reports. 2018 Dec;8(1). doi:10.1038/s41598-018-34228-7

156.

Thordarson T. Atmospheric and environmental effects of the 1783–1784 Laki eruption: A review and reassessment. Journal of Geophysical Research. 2003;108(D1). doi:10.1029/2001JD002042

157.

Brázdil R, Demarée GR, Deutsch M, Garnier E, Kiss A, Luterbacher J, et al. European floods during the winter 1783/1784: scenarios of an extreme event during the 'Little Ice Age'. Theoretical and Applied Climatology. 2010 Mar;100(1–2):163–89. doi:10.1007/s00704-009-0170-5

158.

Jacoby, Gc. Laki eruption of 1783, tree rings, and disaster for northwest Alaska Inuit. *Quaternary Science Reviews* [Internet]. 1999;18(12):1365–71. Available from: https://whel-primo.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=TN_wos000083568700004&context=PC&vid=44WHELF_ABW_VU1&lang=en_US&search_scope=Blended&adaptor=primo_central_multiple_fe&tab=blended&query=any,contains,%22laki%20eruption%22&offset=0

159.

Sonnek KM, Mårtensson T, Veibäck E, Tunved P, Grahn H, von Schoenberg P, et al. The impacts of a Laki-like eruption on the present Swedish society. *Natural Hazards*. 2017 Sep;88(3):1565–90. doi:10.1007/s11069-017-2933-0

160.

Fei J, Zhou J. The Possible Climatic Impact in China of Iceland's Eldgjá Eruption Inferred from Historical Sources. *Climatic Change*. 2006 Jun;76(3–4):443–57. doi:10.1007/s10584-005-9012-3

161.

Fei J, Zhou J. The Possible Climatic Impact in China of Iceland's Eldgjá Eruption Inferred from Historical Sources. *Climatic Change*. 2006 Jun;76(3–4):443–57. doi:10.1007/s10584-005-9012-3

162.

Fei J, Zhou J. The drought and locust plague of 942–944 AD in the Yellow River Basin, China. *Quaternary International*. 2016 Feb;394:115–22. doi:10.1016/j.quaint.2014.11.053

163.

Höskuldsson Á, Óskarsson N, Pedersen R, Grönvold K, Vogfjörð K, Ólafsdóttir R. The millennium eruption of Hekla in February 2000. *Bulletin of Volcanology*. 2007 Nov 23;70(2):169–82. doi:10.1007/s00445-007-0128-3

164.

Walker GPL, Self S, Wilson L. Tarawera 1886, New Zealand — A basaltic plinian fissure eruption. *Journal of Volcanology and Geothermal Research*. 1984 Jun;21(1-2):61-78. doi:10.1016/0377-0273(84)90016-7

165.

Jona Schellekens. Irish famines and English mortality in the eighteenth century. *The Journal of Interdisciplinary History* [Internet]. 27(1):29-43. Available from: <https://go.gale.com/ps/i.do?&id=GALE|A18579104&v=2.1&u=uniaber&it=r&p=AONE&sw=w>

166.

J. Lelieveld. The contribution of outdoor air pollution sources to premature mortality on a global scale. *Nature* [Internet]. 525(7569):367-85. Available from: <https://go.gale.com/ps/i.do?p=AONE&u=uniaber&id=GALE%7CA429410745&p;v=2.1&it=r>

167.

Gale General OneFile - Document - Air pollution 'causes more deaths than smoking' [Internet]. Available from: <https://go.gale.com/ps/i.do?&id=GALE|A578128317&v=2.1&u=uniaber&p;it=r&p=ITOF&sw=w>

168.

Anja Schmidt, Susan Leadbetter, Nicolas Theys, Elisa Carboni, Claire S. Witham, John A. Stevenson, Cathryn E. Birch, Thorvaldur Thordarson, Steven Turnock, Sara Barsotti, Lin Delaney, Wuhu Feng, Roy G. Grainger, Matthew C. Hort, Ármann Höskuldsson, Iolanda Ialongo, Evgenia Ilyinskaya, Thorsteinn Jóhannsson, Patrick Kenny, Tamsin A. Mather, Nigel A. D. Richards, Janet Shepherd. Satellite detection, long-range transport, and air quality impacts of volcanic sulfur dioxide from the 2014-2015 flood lava eruption at Bárðarbunga (Iceland). *Journal of Geophysical Research: Atmospheres*. 2015;120(18):9739-57. doi:10.1002/2015JD023638

169.

Anja Schmidt, Susan Leadbetter, Nicolas Theys, Elisa Carboni, Claire S. Witham, John A. Stevenson, Cathryn E. Birch, Thorvaldur Thordarson, Steven Turnock, Sara Barsotti, Lin Delaney, Wuhu Feng, Roy G. Grainger, Matthew C. Hort, Ármann Höskuldsson, Iolanda Ialongo, Evgenia Ilyinskaya, Thorsteinn Jóhannsson, Patrick Kenny, Tamsin A. Mather, Nigel A. D. Richards, Janet Shepherd. Satellite detection, long-range transport, and air quality impacts of volcanic sulfur dioxide from the 2014–2015 flood lava eruption at Bárðarbunga (Iceland). *Journal of Geophysical Research: Atmospheres*. 2015;120(18):9739–57. doi:10.1002/2015JD023638

170.

Rampino MR, Self S, Stothers RB. Volcanic Winters. *Annual Review of Earth and Planetary Sciences*. 1988 May;16(1):73–99. doi:10.1146/annurev.ea.16.050188.000445

171.

Harris B. The potential impact of super-volcanic eruptions on the Earth's atmosphere. *Weather*. 2008 Aug;63(8):221–5. doi:10.1002/wea.263

172.

Rampino M. Supereruptions as a Threat to Civilizations on Earth-like Planets. *Icarus*. 2002 Apr;156(2):562–9. doi:10.1006/icar.2001.6808

173.

Miller CF, Wark DA. SUPERVOLCANOES AND THEIR EXPLOSIVE SUPERERUPTIONS. *Elements*. 2008 Feb 1;4(1):11–5. doi:10.2113/GSELEMENTS.4.1.11

174.

Kent A. RESEARCH FOCUS: Tackling supervolcanoes: Big and fast? *Geology*. 2015 Nov;43(11):1039–40. doi:10.1130/focus112015.1

175.

Gualda GAR, Sutton SR. The Year Leading to a Supereruption. *PLOS ONE*. 2016 Jul 20;11(7). doi:10.1371/journal.pone.0159200

176.

Dunbar NW, Iverson NA, Van Eaton AR, Sigl M, Alloway BV, Kurbatov AV, et al. New Zealand supereruption provides time marker for the Last Glacial Maximum in Antarctica. Scientific Reports. 2017 Dec;7(1). doi:10.1038/s41598-017-11758-0

177.

Ryan C. Bay, Nathan Bramall and P. Buford Price. Bipolar Correlation of Volcanism with Millennial Climate Change. Proceedings of the National Academy of Sciences of the United States of America [Internet]. 2004;101(17). Available from: https://www.jstor.org/stable/3372084?seq=1#metadata_info_tab_contents

178.

Historical unrest at large calderas of the world [Internet]. Available from: <http://pubs.er.usgs.gov/publication/b1855>

179.

Anja Schmidt [Internet]. Available from: https://www.researchgate.net/profile/Anja_Schmidt

180.

Mastin LG, Van Eaton AR, Lowenstern JB. Modeling ash fall distribution from a Yellowstone supereruption. Geochemistry, Geophysics, Geosystems. 2014 Aug;15(8):3459–75. doi:10.1002/2014GC005469

181.

Leicher N, Giaccio B, Zanchetta G, Wagner B, Francke A, Palladino DM, et al. Central Mediterranean explosive volcanism and tephrochronology during the last 630 ka based on the sediment record from Lake Ohrid. Quaternary Science Reviews. 2019 Dec;226. doi:10.1016/j.quascirev.2019.106021

182.

The ~73 ka Toba super-eruption and its impact: History of a debate | Elsevier Enhanced Reader [Internet]. Available from:
<https://reader.elsevier.com/reader/sd/pii/S104061821100485X?token=8BF1083F8D14FAB06C16D7C57DD08CEFAA3F7D958B6428004B30024D0B707C5E11140A670864D0A693B6714D582E784E>

183.

Timmreck C, Graf HF, Zanchettin D, Hagemann S, Kleinen T, Krüger K. Climate response to the Toba super-eruption: Regional changes. *Quaternary International*. 2012 May;258:30–44. doi:10.1016/j.quaint.2011.10.008

184.

Oppenheimer C. Limited global change due to the largest known Quaternary eruption, Toba ~74 kyr BP? *Quaternary Science Reviews*. 2002 Aug;21(14–15):1593–609. doi:10.1016/S0277-3791(01)00154-8

185.

Rampino, M R. Bottleneck in human evolution and the Toba eruption. *Science (New York [Internet])*. 2014;262(5142). Available from:
https://whel-primo.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=TN_medline8266085&context=PC&vid=44WHELF_ABW_VU1&lang=en_US&search_scope=Blended&adaptor=primo_central_multiple_fe&tab=blended&query=any,contains,%22toba%20eruption%22&offset=0

186.

Robock A, Ammann CM, Oman L, Shindell D, Levis S, Stenchikov G. Did the Toba volcanic eruption of ~74 ka B.P. produce widespread glaciation? *Journal of Geophysical Research*. 2009 May 27;114(D10). doi:10.1029/2008JD011652

187.

Rampino MR, Ambrose SH. Volcanic winter in the Garden of Eden: The Toba supereruption and the late Pleistocene human population crash. In: *Special Paper 345: Volcanic Hazards and Disasters in Human Antiquity* [Internet]. Geological Society of America; 2000. p. 71–82. Available from: <http://specialpapers.gsapubs.org/cgi/doi/10.1130/0-8137-2345-0.71>
doi:10.1130/0-8137-2345-0.71

188.

Rampino MR, Self S. Bottleneck in Human Evolution and the Toba Eruption. *Science*. 1993 Dec 24;262(5142):1955–1955. doi:10.1126/science.8266085

189.

Wagner B, Leng MJ, Wilke T, Böhm A, Panagiotopoulos K, Vogel H, et al. Potential impact of the 74 ka Toba eruption on the Balkan region, SE Europe. *Climate of the Past Discussions*. 2013 Jun 19;9(3):3307–19. doi:10.5194/cpd-9-3307-2013

190.

Roberts RG, Storey M, Haslam M. Toba supereruption: Age and impact on East African ecosystems. *Proceedings of the National Academy of Sciences*. 2013 Aug 13;110(33):E3047–E3047. doi:10.1073/pnas.1308550110

191.

Smith, Eugene I. Humans thrived in South Africa through the Toba eruption about 74,000 years ago. [Internet]. 2018. doi:10.17863/CAM.23506

192.

Smith EI, Jacobs Z, Johnsen R, Ren M, Fisher EC, Oestmo S, et al. Humans thrived in South Africa through the Toba eruption about 74,000 years ago. *Nature*. 2018 Mar;555(7697):511–5. doi:10.1038/nature25967

193.

Oppenheimer S. A single southern exit of modern humans from Africa: Before or after Toba? *Quaternary International*. 2012 May;258:88–99. doi:10.1016/j.quaint.2011.07.049

194.

Lane, Christine S. Ash from the Toba supereruption in Lake Malawi shows no volcanic

winter in East Africa at 75 ka. Proceedings of the National Academy of Sciences of the United States of America [Internet]. 2013;110(20):8025–9. Available from: https://whel-primo.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=TN_faoagrisUS201600137554&context=PC&vid=44WHELF_ABW_VU1&lang=en_US&search_scope=Blended&adaptor=primo_central_multiple_fe&tab=blended&p;query=any,contains,%22supereruption%22&offset=0

195.

Petraglia MD, Ditchfield P, Jones S, Korisettar R, Pal JN. The Toba volcanic super-eruption, environmental change, and hominin occupation history in India over the last 140,000 years. Quaternary International. 2012 May;258:119–34. doi:10.1016/j.quaint.2011.07.042

196.

Petraglia M, Korisettar R, Boivin N, Clarkson C, Ditchfield P, Jones S, et al. Middle Paleolithic Assemblages from the Indian Subcontinent Before and After the Toba Super-Eruption. Science. 2007 Jul 6;317(5834):114–6. doi:10.1126/science.1141564

197.

Clarkson, Chris. Continuity and change in the lithic industries of the Jurreru Valley, India, before and after the Toba eruption.(Report). Quaternary International [Internet]. 2014;258. Available from: https://whel-primo.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=TN_gale_ofa285620226&context=PC&vid=44WHELF_ABW_VU1&lang=en_US&search_scope=Blended&adaptor=primo_central_multiple_fe&tab=blended&query=any,contains,%22toba%20eruption%22&offset=0

198.

Jones SC. Palaeoenvironmental response to the ~74 ka Toba ash-fall in the Jurreru and Middle Son valleys in southern and north-central India. Quaternary Research. 2010 Mar;73(2):336–50. doi:10.1016/j.yqres.2009.11.005

199.

Ambrose SH. Late Pleistocene human population bottlenecks, volcanic winter, and differentiation of modern humans. Journal of Human Evolution. 1998 Jun;34(6):623–51. doi:10.1006/jhev.1998.0219

200.

Williams MAJ, Ambrose SH, van der Kaars S, Ruehlemann C, Chattopadhyaya U, Pal J, et al. Environmental impact of the 73ka Toba super-eruption in South Asia. *Palaeogeography, Palaeoclimatology, Palaeoecology*. 2009 Dec;284(3-4):295-314. doi:10.1016/j.palaeo.2009.10.009

201.

Haslam M, Petraglia M. Comment on "Environmental impact of the 73ka Toba super-eruption in South Asia" by M.A.J. Williams, S.H. Ambrose, S. van der Kaars, C. Ruehlemann, U. Chattopadhyaya, J. Pal and P.R. Chauhan [*Palaeogeography, Palaeoclimatology, Palaeoecology* 284 (2009) 295-314]. *Palaeogeography, Palaeoclimatology, Palaeoecology*. 2010 Oct;296(1-2):199-203. doi:10.1016/j.palaeo.2010.03.057

202.

Williams MAJ, Ambrose SH, der Kaars S van, Ruehlemann C, Chattopadhyaya U, Pal J, et al. Reply to the comment on "Environmental impact of the 73ka Toba super-eruption in South Asia" by M. A. J. Williams, S. H. Ambrose, S. van der Kaars, C. Ruehlemann, U. Chattopadhyaya, J. Pal, P. R. Chauhan [*Palaeogeography, Palaeoclimatology, Palaeoecology* 284 (2009) 295-314]. *Palaeogeography, Palaeoclimatology, Palaeoecology*. 2010 Oct;296(1-2):204-11. doi:10.1016/j.palaeo.2010.05.043

203.

Haslam M, Clarkson C, Petraglia M, Korisettar R, Jones S, Shipton C, et al. The 74 ka Toba super-eruption and southern Indian hominins: archaeology, lithic technology and environments at Jwalapuram Locality 3. *Journal of Archaeological Science*. 2010 Dec;37(12):3370-84. doi:10.1016/j.jas.2010.07.034

204.

Petraglia , Michael D. Toba volcanic super-eruption, environmental change, and hominin occupation history in India over the last 140,000 years. *Quaternary international* [Internet]. 2014;258:119-34. Available from: https://whel-primo.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=TN_faoagrisUS201500210312&context=PC&vid=44WHELF_ABW_VU1&lang=en_US&search_scope=Blended&adaptor=primo_central_multiple_fe&tab=blended&p;query=any,contains,%22toba%20eruption%22&offset=0

205.

Tim Appenzeller. Eastern odyssey: humans had spread across Asia by 50,000 years ago. Everything else about our original exodus from Africa is up for debate. *Nature* [Internet]. 484(7396):24–7. Available from:
https://go.gale.com/ps/retrieve.do?tabID=T002&resultListType=RESULT_LIST&searchResultsType=SingleTab&searchType=AdvancedSearchForm¤tPosition=2&docId=GALE%7CA289432159&docType=Article&sort=Relevance&contentSegment=ZONE-MOD1&prodId=AONE&contentSet=GALE%7CA289432159&searchId=R5&userGroupName=uniaber&inPS=true

206.

Louys, Julien. Mammal community structure of Sundanese fossil assemblages from the Late Pleistocene, and a discussion on the ecological effects of the Toba eruption. *Quaternary International* [Internet]. 2014;258. Available from:
https://whel-primo.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=TN_gale_ofa285620234&context=PC&vid=44WHELF_ABW_VU1&lang=en_US&search_scope=Blended&adaptor=primo_central_multiple_fe&tab=blended&query=any,contains,%22toba%20eruption%22&offset=0

207.

Wagner B, Leng MJ, Wilke T, Böhm A, Panagiotopoulos K, Vogel H, et al. Potential impact of the 74 ka Toba eruption on the Balkan region, SE Europe. *Climate of the Past Discussions*. 2013 Jun 19;9(3):3307–19. doi:10.5194/cpd-9-3307-2013

208.

Huang, Cy. Cooling of the South China Sea by the Toba eruption and correlation with other climate proxies similar to 71,000 years ago. *Geophysical Research Letters* [Internet]. 2014;28(20):3915–8. Available from:
https://whel-primo.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=TN_wos000171588000023&context=PC&vid=44WHELF_ABW_VU1&lang=en_US&search_scope=Blended&adaptor=primo_central_multiple_fe&tab=blended&query=any,contains,%22toba%20eruption%22&offset=0

209.

Lane CS, Chorn BT, Johnson TC. Ash from the Toba supereruption in Lake Malawi shows no volcanic winter in East Africa at 75 ka. *Proceedings of the National Academy of Sciences*.

2013 May 14;110(20):8025–9. doi:10.1073/pnas.1301474110

210.

Nicholas J. G. Pearce. Origin of ash in the Central Indian Ocean Basin and its implication for the volume estimate of the 74,000 year BP Youngest Toba eruption. *Current Science* [Internet]. 889–93. Available from: [https://pure.aber.ac.uk/portal/en/publications/origin-of-ash-in-the-central-indian-ocean-basin-and-its-implication-for-the-volume-estimate-of-the-74000-year-bp-youngest-toba-eruption\(9a911aa8-2ae3-4edd-8c2f-bae37585268f\).html](https://pure.aber.ac.uk/portal/en/publications/origin-of-ash-in-the-central-indian-ocean-basin-and-its-implication-for-the-volume-estimate-of-the-74000-year-bp-youngest-toba-eruption(9a911aa8-2ae3-4edd-8c2f-bae37585268f).html)

211.

Quaternary International [Internet]. Vol. 258. 2012;258. Available from: <https://www.sciencedirect.com/journal/quaternary-international/vol/258>

212.

Paul Mellars, Kevin C. Gori, Martin Carr, Pedro A. Soares and Martin B. Richards. Genetic and archaeological perspectives on the initial modern human colonization of southern Asia. *Proceedings of the National Academy of Sciences of the United States of America* [Internet]. 2013;110(26). Available from: https://www.jstor.org/stable/42706546?seq=1#metadata_info_tab_contents

213.

Baldini JUL, Brown RJ, McElwaine JN. Was millennial scale climate change during the Last Glacial triggered by explosive volcanism? *Scientific Reports*. 2015 Dec;5(1). doi:10.1038/srep17442

214.

Costa A, Folch A, Macedonio G, Giaccio B, Isaia R, Smith VC. Quantifying volcanic ash dispersal and impact of the Campanian Ignimbrite super-eruption. *Geophysical Research Letters*. 2012 May 28;39(10):n/a–n/a. doi:10.1029/2012GL051605

215.

Allen JRM, Watts WA, Huntley B. Weichselian palynostratigraphy, palaeovegetation and

palaeoenvironment; the record from Lago Grande di Monticchio, southern Italy. *Quaternary International*. 2000 Nov;73-74:91-110. doi:10.1016/S1040-6182(00)00067-7

216.

Fitzsimmons KE, Hambach U, Veres D, Iovita R. The Campanian Ignimbrite Eruption: New Data on Volcanic Ash Dispersal and Its Potential Impact on Human Evolution. *PLoS ONE*. 2013 Jun 17;8(6). doi:10.1371/journal.pone.0065839

217.

Woo JYL, Kilburn CRJ. Intrusion and deformation at Campi Flegrei, southern Italy: Sills, dikes, and regional extension. *Journal of Geophysical Research*. 2010 Dec 24;115(B12). doi:10.1029/2009JB006913

218.

Fedele FG, Giaccio B, Isaia R, Orsi G. Ecosystem Impact of the Campanian Ignimbrite Eruption in Late Pleistocene Europe. *Quaternary Research*. 2002 May;57(3):420-4. doi:10.1006/qres.2002.2331

219.

Fedele FG, Giaccio B, Hajdas I. Timescales and cultural process at 40,000BP in the light of the Campanian Ignimbrite eruption, Western Eurasia. *Journal of Human Evolution*. 2008 Nov;55(5):834-57. doi:10.1016/j.jhevol.2008.08.012

220.

Pyle DM, Ricketts GD, Margari V, van Andel TH, Sinitsyn AA, Praslov ND, et al. Wide dispersal and deposition of distal tephra during the Pleistocene 'Campanian Ignimbrite/Y5' eruption, Italy. *Quaternary Science Reviews*. 2006 Nov;25(21-22):2713-28. doi:10.1016/j.quascirev.2006.06.008

221.

Morley MW, Woodward JC. The Campanian Ignimbrite (Y5) tephra at Crvena Stijena Rockshelter, Montenegro. *Quaternary Research*. 2011 May;75(3):683-96. doi:10.1016/j.yqres.2011.02.005

222.

Hoffecker JF, Holliday VT, Anikovich MV, Sinitsyn AA, Popov VV, Lisitsyn SN, et al. From the Bay of Naples to the River Don: the Campanian Ignimbrite eruption and the Middle to Upper Paleolithic transition in Eastern Europe. *Journal of Human Evolution*. 2008 Nov;55(5):858–70. doi:10.1016/j.jhevol.2008.08.018

223.

Andrei A. Sinitsyn. A Palaeolithic 'Pompeii' at Kostenki, Russia. (Research). *Antiquity* [Internet]. 77(295):9–15. Available from: https://go.gale.com/ps/retrieve.do?tabID=T002&resultListType=RESULT_LIST&searchResultsType=SingleTab&searchType=AdvancedSearchForm¤tPosition=1&docId=GALE%7CA100484921&docType=Article&sort=RELEVANCE&contentSegment=ZONE-MOD1&prodId=AONE&contentSet=GALE%7CA100484921&searchId=R1&userGroupName=uniaber&inPS=true

224.

Kathryn E Fitzsimmons. The Campanian Ignimbrite eruption: new data on volcanic ash dispersal and its potential impact on human evolution. *PLoS ONE* [Internet]. 2013;8(6). Available from: <https://doi.org/10.1371/journal.pone.0065998>

225.

Mellars P. The Neanderthal Problem Continued. *Current Anthropology*. 1999 Jun;40(3):341–64. doi:10.1086/200024

226.

John Lowe, Nick Barton, Simon Blockley, Christopher Bronk Ramsey, Victoria L. Cullen, William Davies, Clive Gamble, Katharine Grant, Mark Hardiman, Rupert Housley, Christine S. Lane, Sharen Lee, Mark Lewis, Alison MacLeod, Martin Menzies, Wolfgang Müller, Mark Pollard, Catherine Price, Andrew P. Roberts, Eelco J. Rohling, Chris Satow, Victoria C. Smith, Chris B. Stringer, Emma L. Tomlinson, Dustin White, Paul Albert, Ilenia Arienzo, Graeme Barker, Dušan Borić, Antonio Carandente, Lucia Civetta, Catherine Ferrier, Jean-Luc Guadelli, Panagiotis Karkanas, Margarita Koumouzelis, Ulrich C. Müller, Giovanni Orsi, Jörg Pross, Mauro Rosi, Ljiljana Shalamanov-Korobar, Nikolay Sirakov and Polychronis C. Tzedakis. Volcanic ash layers illuminate the resilience of Neanderthals and early modern humans to natural hazards. *Proceedings of the National Academy of Sciences of the United States of America* [Internet]. 2012;109(34). Available from: <https://doi.org/10.1073/pnas.1207887109>

https://www.jstor.org/stable/41700966?seq=1#metadata_info_tab_contents

227.

Black BA, Neely RR, Manga M. Campanian Ignimbrite volcanism, climate, and the final decline of the Neanderthals. *Geology*. 2015 May;43(5):411-4. doi:10.1130/G36514.1

228.

The timing and spatiotemporal patterning of Neanderthal disappearance. *Nature* [Internet]. 512(7514):306-10. Available from: <https://go.gale.com/ps/i.do?p=AONE&u=uniaber&id=GALE|A379640969&v=2.1&it=r>

229.

Paul Mellars. The earliest modern humans in Europe: the reanalysis of findings from two archaeological sites calls for a reassessment of when modern humans settled in Europe, and of Neanderthal cultural achievements. *Nature* [Internet]. 479(7374):483-6. Available from: <https://go.gale.com/ps/i.do?&id=GALE|A274027588&v=2.1&u=uniaber&it=r&p=AONE&sw=w>

230.

Mellars P. Neanderthals and the modern human colonization of Europe. *Nature*. 2004 Nov;432(7016):461-5. doi:10.1038/nature03103

231.

Mellars P, French JC. Tenfold Population Increase in Western Europe at the Neandertal-to-Modern Human Transition. *Science*. 2011 Jul 29;333(6042):623-7. doi:10.1126/science.1206930

232.

Mystery eruption traced to dangerous Italian volcano : Research Highlights [Internet]. Available from: <https://www.nature.com/articles/d41586-019-01462-6>

233.

Bruins HJ, Keller J, Klügel A, Kisch HJ, Katra I, van der Plicht J. Tephra in caves: Distal deposits of the Minoan Santorini eruption and the Campanian super-eruption. *Quaternary International*. 2019 Jan;499:135–47. doi:10.1016/j.quaint.2018.09.040

234.

Michael Staubwasser. Impact of climate change on the transition of Neanderthals to modern humans in Europe. *Proceedings of the National Academy of Sciences*. 2018 Sep 11;115(37):9116–21. doi:10.1073/pnas.1808647115

235.

João Zilhão. Neandertals and moderns mixed, and it matters. *Evolutionary Anthropology: Issues, News, and Reviews*. 2006;15(5):183–95. doi:10.1002/evan.20110

236.

M. Damaschke, R. Sulpizio, G. Zanchetta, B. Wagner, N. Nowaczyk, J. Rethemeyer. Tephrostratigraphic studies on a sediment core from Lake Prespa in the Balkans. *Climate of the Past* [Internet]. 2013;9(1):267–267. Available from: <https://go.gale.com/ps/i.do?id=GALE%7CA481436213&v=2.1&u=uniaber&i=t=r&p=AONE&sw=w>

237.

Villa P, Pollarolo L, Conforti J, Marra F, Biagioni C, Degano I, et al. From Neandertals to modern humans: New data on the Uluzzian. *PLOS ONE*. 2018 May 9;13(5). doi:10.1371/journal.pone.0196786

238.

Mannella G, Giaccio B, Zanchetta G, Regattieri E, Niespolo EM, Pereira A, et al. Palaeoenvironmental and palaeohydrological variability of mountain areas in the central Mediterranean region: A 190 ka-long chronicle from the independently dated Fucino palaeolake record (central Italy). *Quaternary Science Reviews*. 2019 Apr;210:190–210. doi:10.1016/j.quascirev.2019.02.032

239.

Garcia Garriga J, Martínez Molina K, Baena Preysler J. Neanderthal Survival in the North of the Iberian Peninsula? Reflections from a Catalan and Cantabrian Perspective. *Journal of World Prehistory*. 2012 Jul;25(2):81–121. doi:10.1007/s10963-012-9057-y

240.

Bond DPG, Grasby SE. On the causes of mass extinctions. *Palaeogeography, Palaeoclimatology, Palaeoecology*. 2017 Jul;478:3–29. doi:10.1016/j.palaeo.2016.11.005

241.

Lindström S, Sanei H, van de Schootbrugge B, Pedersen GK, Leshner CE, Tegner C, et al. Volcanic mercury and mutagenesis in land plants during the end-Triassic mass extinction. *Science Advances*. 2019 Oct;5(10). doi:10.1126/sciadv.aaw4018

242.

VAN DE SCHOOTBRUGGE B, WIGNALL PB. A tale of two extinctions: converging end-Permian and end-Triassic scenarios. *Geological Magazine*. 2016 Mar;153(2):332–54. doi:10.1017/S0016756815000643

243.

Deccan volcanism caused coupled pCO₂ and terrestrial temperature rises, and pre-impact extinctions in northern China - Zhang et al., accepted.pdf [Internet]. Available from: <http://eprints.whiterose.ac.uk/128432/1/Zhang%20et%20al.%2C%20accepted.pdf>

244.

Paul E. Olsen. Giant Lava Flows, Mass Extinctions, and Mantle Plumes. *Science* [Internet]. 284(5414):604–5. Available from: <https://go.gale.com/ps/i.do?&id=GALE|A54552300&v=2.1&u=uniaber&it=r&p=AONE&sw=w>

245.

Sobolev SV, Sobolev AV, Kuzmin DV, Krivolutsкая NA, Petrunin AG, Arndt NT, et al. Linking mantle plumes, large igneous provinces and environmental catastrophes. *Nature*. 2011 Sep;477(7364):312–6. doi:10.1038/nature10385

246.

Wignall PB. Large igneous provinces and mass extinctions. *Earth-Science Reviews*. 2001 Mar;53(1-2):1–33. doi:10.1016/S0012-8252(00)00037-4

247.

Wignall P. The Link between Large Igneous Province Eruptions and Mass Extinctions. *Elements*. 2005 Dec 1;1(5):293–7. doi:10.2113/gselements.1.5.293

248.

Ernst RE, Buchan KL, Campbell IH. Frontiers in large igneous province research. *Lithos*. 2005 Feb;79(3-4):271–97. doi:10.1016/j.lithos.2004.09.004

249.

Rampino MR, Caldeira K. Comparison of the ages of large-body impacts, flood-basalt eruptions, ocean-anoxic events and extinctions over the last 260 million years: a statistical study. *International Journal of Earth Sciences*. 2018 Mar;107(2):601–6. doi:10.1007/s00531-017-1513-6

250.

Saunders AD. Large Igneous Provinces: Origin and Environmental Consequences. *Elements*. 2005 Dec 1;1(5):259–63. doi:10.2113/gselements.1.5.259

251.

Sobolev SV, Sobolev AV, Kuzmin DV, Krivolutsкая NA, Petrunin AG, Arndt NT, et al. Linking mantle plumes, large igneous provinces and environmental catastrophes. *Nature*. 2011 Sep;477(7364):312–6. doi:10.1038/nature10385

252.

Grattan J. Pollution and paradigms: lessons from Icelandic volcanism for continental flood basalt studies. *Lithos*. 2005 Feb;79(3-4):343-53. doi:10.1016/j.lithos.2004.09.006

253.

Stone R. Back from the dead. *Science*. 2014 Dec 12;346(6215):1281-3. doi:10.1126/science.346.6215.1281

254.

Steven M. Holland. Ecological disruption precedes mass extinction. *Proceedings of the National Academy of Sciences of the United States of America* [Internet]. 2016;113(30). Available from: https://www.jstor.org/stable/26470935?Search=yes&resultItemClick=true&searchUri=%2Ftopic%2Fmass-extinction-events%2F%3Frefreqid%3Dexcelsior%253A4c7a3104ad8fb89411b0d3db9f073dbe&ab_segments=0%2Fbasic_SYC-5055%2Fcontrol&seq=1#metadata_info_tab_contents

255.

Grasby SE, Them TR, Chen Z, Yin R, Ardakani OH. Mercury as a proxy for volcanic emissions in the geologic record. *Earth-Science Reviews*. 2019 Sep;196. doi:10.1016/j.earscirev.2019.102880

256.

Courtillot V, Jaupart C, Manighetti I, Tapponnier P, Besse J. On causal links between flood basalts and continental breakup. *Earth and Planetary Science Letters*. 1999 Mar;166(3-4):177-95. doi:10.1016/S0012-821X(98)00282-9

257.

Age of the Emeishan flood magmatism and relations to Permian-Triassic boundary events [Internet]. Available from: [https://doi.org/10.1016/S0012-821X\(02\)00535-6](https://doi.org/10.1016/S0012-821X(02)00535-6)

258.

Black BA, Hauri EH, Elkins-Tanton LT, Brown SM. Sulfur isotopic evidence for sources of volatiles in Siberian Traps magmas. *Earth and Planetary Science Letters*. 2014 May;394:58–69. doi:10.1016/j.epsl.2014.02.057

259.

Black BA, Lamarque JF, Shields CA, Elkins-Tanton LT, Kiehl JT. Acid rain and ozone depletion from pulsed Siberian Traps magmatism. *Geology*. 2014 Jan;42(1):67–70. doi:10.1130/G34875.1

260.

Grasby SE, Sanei H, Beauchamp B. Catastrophic dispersion of coal fly ash into oceans during the latest Permian extinction. *Nature Geoscience*. 2011 Feb;4(2):104–7. doi:10.1038/ngeo1069

261.

Darcy E, Ogden and Norman H. Sleep. Explosive eruption of coal and basalt and the end-Permian mass extinction. *Proceedings of the National Academy of Sciences of the United States of America* [Internet]. 2012;109(1). Available from: https://www.jstor.org/stable/23076231?seq=1#metadata_info_tab_contents

262.

Percival LME, Witt MLI, Mather TA, Hermoso M, Jenkyns HC, Hesselbo SP, et al. Globally enhanced mercury deposition during the end-Pliensbachian extinction and Toarcian OAE: A link to the Karoo–Ferrar Large Igneous Province. *Earth and Planetary Science Letters*. 2015 Oct;428:267–80. doi:10.1016/j.epsl.2015.06.064

263.

Cui Y, Kump LR. Global warming and the end-Permian extinction event: Proxy and modeling perspectives. *Earth-Science Reviews*. 2015 Oct;149:5–22. doi:10.1016/j.earscirev.2014.04.007

264.

Darcy E. Ogden and Norman H. Sleep. Explosive eruption of coal and basalt and the end-Permian mass extinction. *Proceedings of the National Academy of Sciences of the United States of America* [Internet]. 2012;109(1). Available from:
https://www.jstor.org/stable/23076231?seq=1#metadata_info_tab_contents

265.

Ponomarenko AG. Insects during the time around the Permian—Triassic crisis. *Paleontological Journal*. 2016 Mar;50(2):174–86. doi:10.1134/S0031030116020052

266.

JUN SHEN, YONG LEI, THOMAS J. ALGEO, QINGLAI FENG, THOMAS SERVAIS, JIANXIN YU and LIAN ZHOU. VOLCANIC EFFECTS ON MICROPLANKTON DURING THE PERMIAN-TRIASSIC TRANSITION (SHANGSI AND XINMIN, SOUTH CHINA). *PALAIOS* [Internet]. 2013;28(7). Available from:
https://www.jstor.org/stable/43683731?seq=1#metadata_info_tab_contents

267.

Lawrence M. E. Percival, Micha Ruhl, Stephen P. Hesselbo, Hugh C. Jenkyns, Tamsin A. Mather and Jessica H. Whiteside. Mercury evidence for pulsed volcanism during the end-Triassic mass extinction. *Proceedings of the National Academy of Sciences of the United States of America* [Internet]. 2017;114(30). Available from:
https://www.jstor.org/stable/26486132?Search=yes&resultItemClick=true&searchUri=%2Ftopic%2Fmass-extinction-events%2F%3FsearchType%3DfacetSearch%26amp%3Bsd%3D%26amp%3Bed%3D%26amp%3Brefreqid%3Dexcelsior%253A4c7a3104ad8fb89411b0d3db9f073dbe%26amp%3Bpagemark%3DcGFnZU1hcms9NA%253D%253D%26amp%3Btopic%3Dmass-extinction-events%26amp%3Ballow_empty_query%3DTrue&ab_segments=0%2Fbasic_SYC-5055%2Fcontrol&seq=1#metadata_info_tab_contents

268.

Bercovici A, Cui Y, Forel MB, Yu J, Vajda V. Terrestrial paleoenvironment characterization across the Permian–Triassic boundary in South China. *Journal of Asian Earth Sciences*. 2015 Feb;98:225–46. doi:10.1016/j.jseaes.2014.11.016

269.

Sun Y, Joachimski MM, Wignall PB, Yan C, Chen Y, Jiang H, et al. Lethally Hot Temperatures

During the Early Triassic Greenhouse. *Science*. 2012 Oct 19;338(6105):366–70. doi:10.1126/science.1224126

270.

Keller G, Bhowmick PK, Upadhyay H, Dave A, Reddy AN, Jaiprakash BC, et al. Deccan volcanism linked to the Cretaceous-Tertiary boundary mass extinction: New evidence from ONGC wells in the Krishna-Godavari Basin. *Journal of the Geological Society of India*. 2011 Nov;78(5):399–428. doi:10.1007/s12594-011-0107-3

271.

Mateo P, Keller G, Puneekar J, Spangenberg JE. Early to Late Maastrichtian environmental changes in the Indian Ocean compared with Tethys and South Atlantic. *Palaeogeography, Palaeoclimatology, Palaeoecology*. 2017 Jul;478:121–38. doi:10.1016/j.palaeo.2017.01.027

272.

Fendley IM, Mittal T, Sprain CJ, Marvin-DiPasquale M, Tobin TS, Renne PR. Constraints on the volume and rate of Deccan Traps flood basalt eruptions using a combination of high-resolution terrestrial mercury records and geochemical box models. *Earth and Planetary Science Letters*. 2019 Oct;524. doi:10.1016/j.epsl.2019.115721

273.

Sayyed MRG, Hundekari SM. Preliminary comparison of ancient bole beds and modern soils developed upon the Deccan volcanic basalts around Pune (India): Potential for palaeoenvironmental reconstruction. *Quaternary International*. 2006 Nov;156–157:189–99. doi:10.1016/j.quaint.2006.05.030

274.

Negi JG, Agrawal PK, Pandey OP, Singh AP. A possible K-T boundary bolide impact site offshore near Bombay and triggering of rapid Deccan volcanism. *Physics of the Earth and Planetary Interiors*. 1993 Mar;76(3–4):189–97. doi:10.1016/0031-9201(93)90011-W

275.

Rampino MR. Relationship between impact-crater size and severity of related extinction episodes. *Earth-Science Reviews*. 2020 Feb;201. doi:10.1016/j.earscirev.2019.102990

276.

Multiple impacts across the Cretaceous–Tertiary boundary [Internet]. Available from: http://geoweb.princeton.edu/research/Paleontology/Keller_et_al._ESR_03.pdf

277.

Tandon SK. Records of the influence of Deccan volcanism on contemporary sedimentary environments in Central India. *Sedimentary Geology*. 2002 Mar;147(1–2):177–92. doi:10.1016/S0037-0738(01)00196-8

278.

Schulte P, Alegret L, Arenillas I, Arz JA, Barton PJ, Bown PR, et al. The Chicxulub Asteroid Impact and Mass Extinction at the Cretaceous-Paleogene Boundary. *Science*. 2010 Mar 5;327(5970):1214–8. doi:10.1126/science.1177265

279.

Keller G, Sahni A, Bajpai S. Deccan volcanism, the KT mass extinction and dinosaurs. *Journal of Biosciences*. 2009 Nov;34(5):709–28. doi:10.1007/s12038-009-0059-6

280.

Wacey D, Saunders M, Cliff J, Kilburn MR, Kong C, Barley ME, et al. Geochemistry and nano-structure of a putative ~3240 million-year-old black smoker biota, Sulphur Springs Group, Western Australia. *Precambrian Research*. 2014 Aug;249:1–12. doi:10.1016/j.precamres.2014.04.016

281.

Maltman C, Walter G, Yurkov V. A Diverse Community of Metal(lloid) Oxide Respiring Bacteria Is Associated with Tube Worms in the Vicinity of the Juan de Fuca Ridge Black Smoker Field. *PLOS ONE*. 2016 Feb 25;11(2). doi:10.1371/journal.pone.0149812

282.

Hodel F, Macouin M, Trindade RIF, Triantafyllou A, Ganne J, Chavagnac V, et al. Fossil black smoker yields oxygen isotopic composition of Neoproterozoic seawater. *Nature Communications*. 2018 Dec;9(1). doi:10.1038/s41467-018-03890-w

283.

Reigstad LJ, Jorgensen SL, Lauritzen SE, Schleper C, Urich T. Sulfur-Oxidizing Chemolithotrophic Proteobacteria Dominate the Microbiota in High Arctic Thermal Springs on Svalbard. *Astrobiology*. 2011 Sep;11(7):665–78. doi:10.1089/ast.2010.0551

284.

Earth-Science Reviews [Internet]. Vol. 149. 2015;149. Available from: <https://www.sciencedirect.com/journal/earth-science-reviews/vol/149>

285.

GLIKSON A. Asteroid/comet impact clusters, flood basalts and mass extinctions: Significance of isotopic age overlaps. *Earth and Planetary Science Letters*. 2005 Aug 15;236(3–4):933–7. doi:10.1016/j.epsl.2005.05.007

286.

Fraser NC, Sues HD. The beginning of the 'Age of Dinosaurs': a brief overview of terrestrial biotic changes during the Triassic. *Earth and Environmental Science Transactions of the Royal Society of Edinburgh*. 2010 Sep;101(3–4):189–200. doi:10.1017/S1755691011020019

287.

Percival LME, Ruhl M, Hesselbo SP, Jenkyns HC, Mather TA, Whiteside JH. Mercury evidence for pulsed volcanism during the end-Triassic mass extinction. *Proceedings of the National Academy of Sciences*. 2017 Jul 25;114(30):7929–34. doi:10.1073/pnas.1705378114

288.

Ernst RE, Youbi N. How Large Igneous Provinces affect global climate, sometimes cause

mass extinctions, and represent natural markers in the geological record. *Palaeogeography, Palaeoclimatology, Palaeoecology*. 2017 Jul;478:30–52. doi:10.1016/j.palaeo.2017.03.014

289.

Fantasia A, Adatte T, Spangenberg JE, Font E. Palaeoenvironmental changes associated with Deccan volcanism, examples from terrestrial deposits from Central India. *Palaeogeography, Palaeoclimatology, Palaeoecology*. 2016 Jan;441:165–80. doi:10.1016/j.palaeo.2015.06.032

290.

Grattan J, Torrence R, World Archaeological Congress. Living under the shadow: cultural impacts of volcanic eruptions [Electronic resource]. Vol. 53. Walnut Creek, Calif: Left Coast Press; 2007. Available from: http://eu.alma.exlibrisgroup.com/view/action/uresolver.do?operation=resolveService&package_service_id=3735715500002418&institutionId=2418&customerId=2415

291.

Cashman KV, Giordano G. Volcanoes and human history. *Journal of Volcanology and Geothermal Research*. 2008 Oct;176(3):325–9. doi:10.1016/j.jvolgeores.2008.01.036

292.

Grattan J. Aspects of Armageddon: An exploration of the role of volcanic eruptions in human history and civilization. *Quaternary International*. 2006 Jul;151(1):10–8. doi:10.1016/j.quaint.2006.01.019

293.

Riede F. Towards a science of past disasters. *Natural Hazards*. 2014 Mar;71(1):335–62. doi:10.1007/s11069-013-0913-6

294.

Torrence R. Social responses to volcanic eruptions: A review of key concepts. *Quaternary*

International. 2019 Jan;499:258–65. doi:10.1016/j.quaint.2018.02.033

295.

Riede F. Volcanic activity and human society. *Quaternary International*. 2016 Feb;394:1–5. doi:10.1016/j.quaint.2015.08.090

296.

Zanchetta G, Bini M, Di Vito MA, Sulpizio R, Sadori L. Tephrostratigraphy of paleoclimatic archives in central Mediterranean during the Bronze Age. *Quaternary International*. 2019 Jan;499:186–94. doi:10.1016/j.quaint.2018.06.012

297.

Torrence R. Volcanic disasters and agricultural intensification: A case study from the Willaumez Peninsula, Papua New Guinea. *Quaternary International*. 2012 Feb;249:151–61. doi:10.1016/j.quaint.2011.03.041

298.

Torrence R. Social resilience and long-term adaptation to volcanic disasters: The archaeology of continuity and innovation in the Willaumez Peninsula, Papua New Guinea. *Quaternary International*. 2016 Feb;394:6–16. doi:10.1016/j.quaint.2014.04.029

299.

Riede F. Changes in mid- and far-field human landscape use following the Laacher See eruption (c. 13,000 BP). *Quaternary International*. 2016 Feb;394:37–50. doi:10.1016/j.quaint.2014.07.008

300.

Oetelaar GA, Beaudoin AB. Evidence of cultural responses to the impact of the Mazama ash fall from deeply stratified archaeological sites in southern Alberta, Canada. *Quaternary International*. 2016 Feb;394:17–36. doi:10.1016/j.quaint.2014.08.015

301.

Pendea IF, Harmsen H, Keeler D, Zubrow EBW, Korosec G, Ruhl E, et al. Prehistoric human responses to volcanic tephra fall events in the Ust-Kamchatsk region, Kamchatka Peninsula (Kamchatsky Krai, Russian Federation) during the middle to late Holocene (6000–500 cal BP). *Quaternary International*. 2016 Feb;394:51–68. doi:10.1016/j.quaint.2015.07.033

302.

Gao C, Ludlow F, Amir O, Kostick C. Reconciling multiple ice-core volcanic histories: The potential of tree-ring and documentary evidence, 670–730 CE. *Quaternary International*. 2016 Feb;394:180–93. doi:10.1016/j.quaint.2015.11.098

303.

Torrence R, Grattan J. Natural disasters and cultural change [Internet]. One world archaeology. London: Routledge; 2002. Available from: http://eu.alma.exlibrisgroup.com/view/action/uresolver.do?operation=resolveService&package_service_id=3037304610002418&institutionId=2418&customerId=2415

304.

McGuire B. The archaeology of geological catastrophes. Geological Society special publication. Bath: Geological Society; 2000.

305.

Manning JG, Ludlow F, Stine AR, Boos WR, Sigl M, Marlon JR. Volcanic suppression of Nile summer flooding triggers revolt and constrains interstate conflict in ancient Egypt. *Nature Communications*. 2017 Dec;8(1). doi:10.1038/s41467-017-00957-y

306.

Chester DK, Duncan AM, Dibben CJL. The importance of religion in shaping volcanic risk perception in Italy, with special reference to Vesuvius and Etna. *Journal of Volcanology and Geothermal Research*. 2008 May;172(3–4):216–28. doi:10.1016/j.jvolgeores.2007.12.009

307.

Torrence R. Social responses to volcanic eruptions: A review of key concepts. *Quaternary International*. 2019 Jan;499:258–65. doi:10.1016/j.quaint.2018.02.033

308.

Riede F. Doing palaeo-social volcanology: Developing a framework for systematically investigating the impacts of past volcanic eruptions on human societies using archaeological datasets. *Quaternary International*. 2019 Jan;499:266–77. doi:10.1016/j.quaint.2018.01.027

309.

Giuseppe Mastrolorenzo, Pierpaolo Petrone, Lucia Pappalardo and Michael F. Sheridan. The Avellino 3780-yr-B.P. Catastrophe as a Worst-Case Scenario for a Future Eruption at Vesuvius. *Proceedings of the National Academy of Sciences of the United States of America* [Internet]. 2006;103(12). Available from: https://www.jstor.org/stable/30048947?seq=1#metadata_info_tab_contents

310.

Mastrolorenzo G, Pappalardo L. Hazard assessment of explosive volcanism at Somma-Vesuvius. *Journal of Geophysical Research*. 2010 Dec 31;115(B12). doi:10.1029/2009JB006871

311.

Haraldur Sigurdsson, Stanford Cashdollar and Stephen R. J. Sparks. The Eruption of Vesuvius in A. D. 79: Reconstruction from Historical and Volcanological Evidence. *American Journal of Archaeology* [Internet]. 1982;86(1):39–51. Available from: <http://www.jstor.org/stable/504292>

312.

Albore Livadie C, Pearce M, Delle Donne M, Pizzano N. The effects of the Avellino Pumice eruption on the population of the Early Bronze age Campanian plain (Southern Italy). *Quaternary International*. 2019 Jan;499:205–20. doi:10.1016/j.quaint.2018.03.035

313.

Milia A, Raspini A, Torrente MM. The dark nature of Somma-Vesuvius volcano: Evidence from the ~3.5ka B.P. Avellino eruption. *Quaternary International*. 2007 Oct;173–174:57–66. doi:10.1016/j.quaint.2007.03.001

314.

Albore Livadie C, Pearce M, Delle Donne M, Pizzano N. The effects of the Avellino Pumice eruption on the population of the Early Bronze age Campanian plain (Southern Italy). *Quaternary International*. 2019 Jan;499:205–20. doi:10.1016/j.quaint.2018.03.035

315.

Di Vito MA, Talamo P, de Vita S, Rucco I, Zanchetta G, Cesarano M. Dynamics and effects of the Vesuvius Pomici di Avellino Plinian eruption and related phenomena on the Bronze Age landscape of Campania region (Southern Italy). *Quaternary International*. 2019 Jan;499:231–44. doi:10.1016/j.quaint.2018.03.021

316.

Convertito V, Zollo A. Assessment of pre-crisis and syn-crisis seismic hazard at Campi Flegrei and Mt. Vesuvius volcanoes, Campania, southern Italy. *Bulletin of Volcanology*. 2011 Aug;73(6):767–83. doi:10.1007/s00445-011-0455-2

317.

Gurioli L, Sulpizio R, Cioni R, Sbrana A, Santacroce R, Luperini W, et al. Pyroclastic flow hazard assessment at Somma-Vesuvius based on the geological record. *Bulletin of Volcanology*. 2010 Nov;72(9):1021–38. doi:10.1007/s00445-010-0379-2

318.

Senatore MR, Ciarallo A, Stanley JD. Pompeii Damaged by Volcaniclastic Debris Flows Triggered Centuries Prior to the 79 A.D. Vesuvius Eruption. *Geoarchaeology*. 2014 Jan;29(1):1–15. doi:10.1002/gea.21458

319.

Mastrolorenzo G, Palladino DM, Vecchio G, Taddeucci J. The 472 AD Pollena eruption of Somma-Vesuvius (Italy) and its environmental impact at the end of the Roman Empire. *Journal of Volcanology and Geothermal Research*. 2002 Mar;113(1-2):19-36.
doi:10.1016/S0377-0273(01)00248-7

320.

Albore Livadie C, Pearce M, Delle Donne M, Pizzano N. The effects of the Avellino Pumice eruption on the population of the Early Bronze age Campanian plain (Southern Italy). *Quaternary International*. 2019 Jan;499:205-20. doi:10.1016/j.quaint.2018.03.035

321.

Driessen J. The Santorini eruption. An archaeological investigation of its distal impacts on Minoan Crete. *Quaternary International*. 2019 Jan;499:195-204.
doi:10.1016/j.quaint.2018.04.019

322.

Monaghan JJ, Bicknell PJ, Humble RJ. Volcanoes, Tsunamis and the demise of the Minoans. *Physica D: Nonlinear Phenomena*. 1994 Oct;77(1-3):217-28.
doi:10.1016/0167-2789(94)90135-X

323.

Pearson CL, Brewer PW, Brown D, Heaton TJ, Hodgins GWL, Jull AJT, et al. Annual radiocarbon record indicates 16th century BCE date for the Thera eruption. *Science Advances*. 2018 Aug;4(8). doi:10.1126/sciadv.aar8241

324.

Athanassas CD, Modis K, Alçiçek MC, Theodorakopoulou K. Contouring the Cataclysm: A Geographical Analysis of the Effects of the Minoan Eruption of the Santorini Volcano. *Environmental Archaeology*. 2018 Apr 3;23(2):160-76.
doi:10.1080/14614103.2017.1288885

325.

Bruins HJ, Keller J, Klügel A, Kisch HJ, Katra I, van der Plicht J. Tephra in caves: Distal

deposits of the Minoan Santorini eruption and the Campanian super-eruption. *Quaternary International*. 2019 Jan;499:135–47. doi:10.1016/j.quaint.2018.09.040

326.

Paolo Cherubini. The olive-branch dating of the Santorini eruption. *Antiquity* [Internet]. 88(339):267–74. Available from: https://go.gale.com/ps/retrieve.do?tabID=T002&resultListType=RESULT_LIST&searchResultsType=SingleTab&searchType=AdvancedSearchForm¤tPosition=1&docId=GALE%7CA363102251&docType=Report&sort=RELEVANCE&contentSegment=ZONE-MOD1&prodId=AONE&contentSet=GALE%7CA363102251&searchId=R1&userGroupName=uniaber&inPS=true

327.

Stratospheric Ozone destruction by the Bronze-Age Minoan eruption (Santorini Volcano, Greece) - srep12243.pdf [Internet]. Available from: <https://www.nature.com/articles/srep12243.pdf>

328.

Panagiotakopulu E, Higham T, Sarpaki A, Buckland P, Doumas C. Ancient pests: the season of the Santorini Minoan volcanic eruption and a date from insect chitin. *Naturwissenschaften*. 2013 Jul;100(7):683–9. doi:10.1007/s00114-013-1068-8

329.

Sturt W. Manning. Dating the Thera (Santorini) eruption: archaeological and scientific evidence supporting a high chronology. *Antiquity* [Internet]. 88(342):1164–80. Available from: <https://go.gale.com/ps/i.do?&id=GALE|A398627713&v=2.1&u=uniaber&it=r&p=AONE&sw=w>

330.

Trevisanato SI. Medical papyri describe the effects of the Santorini eruption on human health, and date the eruption to August 1603–March 1601 BC. *Medical Hypotheses*. 2007;68(2):446–9. doi:10.1016/j.mehy.2006.06.059

331.

Athanassas CD, Modis K, Alçiçek MC, Theodorakopoulou K. Contouring the Cataclysm: A Geographical Analysis of the Effects of the Minoan Eruption of the Santorini Volcano. *Environmental Archaeology*. 2018 Apr 3;23(2):160–76. doi:10.1080/14614103.2017.1288885

332.

Knappett, Carl Rivers, Ray Evans, Tim. The Thera eruption and Minoan Palatial Collapse [Internet]. Vol. 85. 85(9):1008–23. Available from: <https://search.proquest.com/docview/896272713/fulltextPDF/3F1AFA67A52F429DPQ/1?accountid=14783>

333.

Bottema S, Sarpaki A. Environmental change in Crete: a 9000-year record of Holocene vegetation history and the effect of the Santorini eruption. *The Holocene*. 2003 Jul;13(5):733–49. doi:10.1191/0959683603hl659rp

334.

Badertscher S, Borsato A, Frisia S, Cheng H, Edwards RL, Tüysüz O, et al. Speleothems as sensitive recorders of volcanic eruptions – the Bronze Age Minoan eruption recorded in a stalagmite from Turkey. *Earth and Planetary Science Letters*. 2014 Apr;392:58–66. doi:10.1016/j.epsl.2014.01.041

335.

Six medical papyri describe the effect of Santorini's volcanic ash [Internet]. Available from: <https://reader.elsevier.com/reader/sd/pii/S0306987706000491?token=13233F3D8053237EAA0B5D4307D4EF02C39F56EAC3CF666212510A196E0D3ED2628EFCCD16403A858298DD537A22B50>

336.

Trevisanato SI. Treatments for burns in the London Medical Papyrus show the first seven biblical plagues of Egypt are coherent with Santorini's volcanic fallout. *Medical Hypotheses*. 2006 Jan;66(1):193–6. doi:10.1016/j.mehy.2005.08.052

337.

Periáñez R, Abril JM. Modelling tsunamis in the Eastern Mediterranean Sea. Application to the Minoan Santorini tsunami sequence as a potential scenario for the biblical Exodus. *Journal of Marine Systems*. 2014 Nov;139:91–102. doi:10.1016/j.jmarsys.2014.05.016

338.

Zeidler JA. Modeling cultural responses to volcanic disaster in the ancient Jama-Coaque tradition, coastal Ecuador: A case study in cultural collapse and social resilience. *Quaternary International*. 2016 Feb;394:79–97. doi:10.1016/j.quaint.2015.09.011

339.

Abbott DA, Sheets PD, Cooper J. *Surviving Sudden Environmental Change: Answers from Archaeology* [Internet]. 1st ed. Boulder, Colo: University Press of Colorado; 2012. Available from:
https://eu.alma.exlibrisgroup.com/view/action/uresolver.do?operation=resolveService&package_service_id=5195538870002418&institutionId=2418&customerId=2415

340.

Hartmann WK, Malin M, McEwen A, Carr M, Soderblom L, Thomas P, et al. Evidence for recent volcanism on Mars from crater counts. *Nature*. 1999 Feb 18;397(6720):586–9. doi:10.1038/17545

341.

Cousins CR, Crawford IA. Volcano-Ice Interaction as a Microbial Habitat on Earth and Mars. *Astrobiology*. 2011 Sep;11(7):695–710. doi:10.1089/ast.2010.0550

342.

Head JW, Crumpler LS, Aubele JC, Guest JE, Saunders RS. Venus volcanism: Classification of volcanic features and structures, associations, and global distribution from Magellan data. *Journal of Geophysical Research*. 1992;97(E8). doi:10.1029/92JE01273

343.

Terrestrial Volcanism in Space and Time - Annual Review of Earth and Planetary Sciences, 21(1):427 [Internet]. Available from:
<http://www.annualreviews.org/doi/abs/10.1146/annurev.ea.21.050193.002235>

344.

Lopes RMC, Mitchell KL, Williams D, Mitri G. Beyond Earth: How extra-terrestrial volcanism has changed our definition of a volcano. In: What is a volcano? [Internet]. Boulder, Colo: Geological Society of America. p. 11–30. Available from:
<http://specialpapers.gsapubs.org/lookup/doi/10.1130/2010.2470%2802%29>
doi:10.1130/2010.2470(02)

345.

Volcanism and tectonics on Venus [Internet]. Available from:
<http://www.es.ucsc.edu/~fnimmo/website/paper5.pdf>

346.

Strom RG, Schaber GG, Dawson DD. The global resurfacing of Venus. Journal of Geophysical Research. 1994;99(E5). doi:10.1029/94JE00388

347.

Hints of a volcanically active exomoon. Space Daily [Internet]. 2011. Available from:
https://whel-primo.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=TN_gale_ofg597833465&context=PC&vid=44WHELF_ABW_VU1&lang=en_US&search_scope=Blended&adaptor=primo_central_multiple_fe&tab=blended&query=any,contains,exo%20volcanism&offset=0

348.

van Summeren J, Conrad CP, Gaidos E. MANTLE CONVECTION, PLATE TECTONICS, AND VOLCANISM ON HOT EXO-EARTHS. The Astrophysical Journal. 2011 Jul 20;736(1). doi:10.1088/2041-8205/736/1/L15

349.

Parnell J. Plate tectonics and the detection of land-based biosignatures on Mars and

extrasolar planets. *International Journal of Astrobiology*. 2005 Oct;4(3-4):175-86.
doi:10.1017/S1473550405002715

350.

Kaltenegger L, Henning WG, Sasselov DD. DETECTING VOLCANISM ON EXTRASOLAR PLANETS. *The Astronomical Journal*. 2010 Nov 1;140(5):1370-80.
doi:10.1088/0004-6256/140/5/1370

351.

Buizert C, Sigl M, Severi M, Markle BR, Wettstein JJ, McConnell JR, et al. Abrupt ice-age shifts in southern westerly winds and Antarctic climate forced from the north. *Nature*. 2018 Nov;563(7733):681-5. doi:10.1038/s41586-018-0727-5

352.

Trevisanato SI. Treatments for burns in the London Medical Papyrus show the first seven biblical plagues of Egypt are coherent with Santorini's volcanic fallout. *Medical Hypotheses*. 2006 Jan;66(1):193-6. doi:10.1016/j.mehy.2005.08.052

353.

Thouret JC, Lavigne F, Kelfoun K, Bronto S. Toward a revised hazard assessment at Merapi volcano, Central Java. *Journal of Volcanology and Geothermal Research*. 2000 Jul;100(1-4):479-502. doi:10.1016/S0377-0273(00)00152-9

354.

Ernst RE, Youbi N. How Large Igneous Provinces affect global climate, sometimes cause mass extinctions, and represent natural markers in the geological record. *Palaeogeography, Palaeoclimatology, Palaeoecology*. 2017 Jul;478:30-52.
doi:10.1016/j.palaeo.2017.03.014