

GS30420 Volcanic Activity: Hazard and Environmental Change

View Online



1.

Papale P, Marzocchi W. Volcanic threats to global society. *Science*. 2019;363(6433):1275-1276.

2.

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

3.

Chester DK. *Volcanoes and Society*. E. Arnold; 1994.

4.

Papale P, Shroder JF, eds. *Volcanic Hazards, Risks and Disasters*. Elsevier; 2014.
<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*. Nordic Volcanological Institute; 1998.

6.

Marti

J, Ernst G. Volcanoes and the Environment. Cambridge University Press; 2005.
<http://www.vlebooks.com/vleweb/product/openreader?id=AberystUni&isbn=9780511331343>

7.

Oppenheimer C. Eruptions That Shook the World. Cambridge University Press; 2011.
<http://www.vlebooks.com/vleweb/product/openreader?id=AberystUni&isbn=9781139111751>

8.

Lessons from recent Icelandic eruptions.
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;363(6433):1296.16-1298. doi:10.1126/science.363.6433.1296-p

10.

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

11.

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

12.

McCoy F, Heiken G. Volcanic Hazards and Disasters in Human Antiquity. Vol Special paper /

Geological Society of America. Geological Society of America; 2000.

13.

Rothery DA. Volcanoes, Earthquakes and Tsunamis. [New] ed. Teach Yourself; 2010.
<http://www.vlebooks.com/vleweb/product/openreader?id=AberystUni&isbn=9781444127416>

14.

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

15.

Scarth A. Volcanoes: An Introduction. U C L Press; 1994.

16.

Scarth A. Vulcan's Fury: Man against the Volcano. Yale University Press; 1999.

17.

Sigurdsson H. Encyclopedia of Volcanoes. Academic Press; 2000.

18.

Winchester S. Krakatoa: The Day the World Exploded, 27 August 1883. Penguin Books; 2004.

19.

Alwyn Scarth. La catastrophe: Mount Pelée and the destruction of Saint-Pierre, Martinique - Alwyn Scarth - Google Books.
http://books.google.co.uk/books/about/La_catastrophe.html?id=SxROAQAIAAJ&redir_esc=y

20.

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

21.

Sinabung volcano: how culture shapes community resilience.
doi:10.1108/DPM-05-2018-0160/full/pdf?title=sinabung-volcano-how-culture-shapes-community-resilience

22.

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

23.

Armijos MT, Phillips J, Wilkinson E, et al. Adapting to changes in volcanic behaviour: Formal and informal interactions for enhanced risk management at Tungurahua Volcano, Ecuador. *Global Environmental Change*. 2017;45:217-226. 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;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*. 2014;3(1).
<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;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;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;70(5):605-621.
doi:10.1007/s00445-007-0156-z

29.

Hizbaron DR, Hadmoko DS, Mei ETW, et al. Towards measurable resilience: Mapping the vulnerability of at-risk community at Kelud Volcano, Indonesia. *Applied Geography*. 2018;97:212-227. doi:10.1016/j.apgeog.2018.06.012

30.

Barclay J, Haynes K, Mitchell T, 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;305(1):163-177.
doi:10.1144/SP305.14

31.

Tom Simkin, Lee Siebert and Russell Blong. *Volcano Fatalities: Lessons from the Historical Record*. Science. 2001;291(5502).
https://www.jstor.org/stable/3082329?seq=1#metadata_info_tab_contents

32.

Monitoring, forecasting collapse events, and mapping pyroclastic deposits at Sinabung volcano with satellite imagery | Elsevier Enhanced Reader.
<https://reader.elsevier.com/reader/sd/pii/S0377027318301938?token=9E0D82814455B3D>

276499E8D54AA49CF5264293F6AD0E3761B96E54DA192B1C6C94BE8698A5DCC02708A7
2B314FF43DE

33.

Journal of Volcanology and Geothermal Research: Special issue on Sinabung and Kelud. 2019;382.
<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;177:565-588. 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;148(3-4):191-233. doi:10.1016/j.jvolgeores.2005.04.017

36.

Combining historical and 14C data to assess pyroclastic density current hazards in BaNos city near Tungurahua volcano (Ecuador) | Elsevier Enhanced Reader.
<https://reader.elsevier.com/reader/sd/pii/S1040618215006527?token=4101E87BDEF7DB65923F9AA1B5FC04E275004933C8457E4B5DFF9A5C5FF6FA744CA133B014E81D6C792BA3B7CC418437>

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;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;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;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;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;64(1):767-796. 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;92(1-2):133-150. doi:10.1016/S0377-0273(99)00072-4

43.

Fearnley CJ, Bird DK, Haynes K, McGuire WJ, Jolly G, eds. *Observing the Volcano World: Volcano Crisis Communication*. 1st ed. 2018. Springer International Publishing; 2018. http://eu.alma.exlibrisgroup.com/view/action/uresolver.do?operation=resolveService&package_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;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 Popocatépetl Volcano, Mexico: Importance of an effective hazards-warning system. *Journal of Volcanology and Geothermal Research*. 2008;170(1-2):121-134.
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*. <http://pubs.er.usgs.gov/publication/pp175024>

47.

Communicating eruption and hazard forecasts on Vesuvius, Southern Italy.
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;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;34(2):155-170.
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.

<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;65(1):477-495.

doi:10.1007/s11069-012-0378-z

53.

Evidence---based volcanology: application to eruption crises.

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;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.

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

56.

Chester DK, Dibben CJL, Duncan AM. Volcanic hazard assessment in western Europe.

Journal of Volcanology and Geothermal Research. 2002;115(3-4):411-435.

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. <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;74(9):2023-2036. doi:10.1007/s00445-012-0645-6

59.

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

60.

Tilling RI, Lipman PW. Lessons in reducing volcano risk. *Nature*. 1993;364(6435):277-280. 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;65(1):477-495. doi:10.1007/s11069-012-0378-z

62.

Countries | UNITAR. <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*. Vol Geophysical monograph. American Geophysical Union; 2004:359-373. <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. Author(s); 2016.
doi:10.1063/1.4947418

65.

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

66.

Solikhin A, Thouret JC, Liew SC, 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;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;13:167-188.
doi:10.1016/j.ijdrr.2015.05.006

68.

Shaw R, Pulhin JM, Pereira JJ. *Climate Change Adaptation and Disaster Risk Reduction: An Asian Perspective*, Vol. 5. Vol v. 5. 1st ed. Emerald Group Pub. Ltd; 2010.
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*. 2015;4(1).
<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.
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;122(8):809-820.
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;123:134-149. 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;177:238-247.
doi:10.1016/j.earscirev.2017.11.009

75.

Robock A. Volcanic eruptions and climate. *Reviews of Geophysics*. 2000;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*. American Geophysical Union; 2004:125-134.
<https://doi.org/10.1029/150GM11>

77.

Sigl M, Winstrup M, McConnell JR, et al. Timing and climate forcing of volcanic eruptions for the past 2,500 years. *Nature*. 2015;523(7562):543-549. doi:10.1038/nature14565

78.

McConnell JR, Burke A, Dunbar NW, 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;114(38):10035-10040.
doi:10.1073/pnas.1705595114

79.

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

80.

Bethke I, Outten S, Otterå OH, et al. Potential volcanic impacts on future climate variability. *Nature Climate Change*. 2017;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*. 9(2):809-809.
<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;3(6):545-564. doi:10.1002/wcc.192

83.

Sun C, Plunkett G, Liu J, et al. Ash from Changbaishan Millennium eruption recorded in Greenland ice: Implications for determining the eruption's timing and impact. *Geophysical Research Letters*. 2014;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;61(17):1307-1319. 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;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;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;10(1):359-375. doi:10.5194/cp-10-359-2014

88.

Sadler JP, Grattan JP. Volcanoes as agents of past environmental change. *Global and Planetary Change*. 1999;21(1-3):181-196. 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;118(16):9000-9010. 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*. 2010;368(1919):2585-2588. <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. Published online 2012. https://whel-primo.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=TN_arxiv1609.09225&context=PC&vid=44WHEL_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. Vol One world archaeology*. Routledge; 2002. 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*. 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;27(2):230-259. doi:10.1191/0309133303pp379ra

95.

Behringer W, Selwyn PE. Tabora and the Year without a Summer: How a Volcano Plunged the World into Crisis. Polity; 2019.

96.

Rössler O, Brönnimann S. The effect of the Tabora eruption on Swiss flood generation in 1816/1817. *Science of The Total Environment*. 2018;627:1218-1227.
doi:10.1016/j.scitotenv.2018.01.254

97.

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

98.

Stothers, Richard B. The great Tabora eruption in 1815 and its aftermath. *Science*. 2012;224.

https://whel-primo.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=TN_gale_ofa3309276&context=PC&vid=44WHELFBW_VU1&lang=en_US&search_scope=Blended&adaptor=primo_central_multiple_fe&tab=blended&query=any,contains,tabora&offset=0

99.

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

100.

Cao, Shuji. Mt. Tabora, Climatic Changes, and China's Decline in the Nineteenth Century. *Journal of World History*. 2012;23(3):587-607.

https://whel-primo.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=TN_museS1527805012300043&context=PC&vid=44WHELFBW_VU1&lang=en_US&search_scope=Blended&adaptor=primo_central_multiple_fe&tab=blended&query=any,contains,tabora&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;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):2307-2328. doi:<https://doi.org/10.5194/acp-18-2307-2018>

103.

After Tambora. *The Economist*. Published online 20150411. <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;42(10):677-684. doi:10.3103/S1068373917100089

105.

Alexander KE, Leavenworth WB, Willis TV, et al. Tambora and the mackerel year: Phenology and fisheries during an extreme climate event. *Science Advances*. 2017;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;279-280. doi:10.1016/j.quaint.2012.08.770

107.

Flückiger S, Brönnimann S, Holzkämper A, et al. Simulating crop yield losses in Switzerland for historical and present Tambora climate scenarios. *Environmental Research Letters*. 2017;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;36(22). doi:10.1029/2009GL040882

109.

Yalcin K, Wake CP, Kreutz KJ, Germani MS, Whitlow SI. 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*. 10(5):1707-1707.
<https://go.gale.com/ps/i.do?&id=GALE|A481428553&v=2.1&u=uniaber&p;it=r&p=AONE&sw=w>

111.

Gale General OneFile - Document - First eyewitness accounts of mystery volcanic eruption. <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*. 2012;12(6).
https://whel-primo.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=TN_gale_ofa503206931&context=PC&vid=44WHELFBW_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;182(4):318-330. doi:10.1111/geoj.12191

114.

Gertisser, R. The great 1815 eruption of Tambora and future risks from large-scale volcanism.(Report). *Geology Today*. 2012;31(4).
https://whel-primo.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=TN_gale_ofa423720429&context=PC&vid=44WHELFBW_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;11(1). doi:10.21061/ph.173

116.

Alan Robock. The Climatic Aftermath. *Science*. 2002;295(5558).
https://www.jstor.org/stable/3075904?seq=1#metadata_info_tab_contents

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;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*. 296(5568):727-731.
<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;40(20):5553-5558. 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;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*. Vol 53. Left Coast Press; 2007.
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*. 2013;110(42).
https://www.jstor.org/stable/23750657?seq=1#metadata_info_tab_contents

123.

Vidal CM, Métrich N, Komorowski JC, et al. The 1257 Samalas eruption (Lombok, Indonesia): the single greatest stratospheric gas release of the Common Era. *Scientific Reports*. 2016;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;27:87-121. doi:10.1017/S0080440117000056

125.

London's volcanic winter - Current Archaeology.
<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. Published online 2017. <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;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;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;136(3-4):401-412. 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;8(5):535-552. doi:10.1191/095968398675289943

131.

Gräslund, BoPrice, Neil. Twilight of the gods? The dust veil event of AD 536 in critical perspective. 86(2):428-443.
<https://search.proquest.com/docview/1021249071/9F226CEE94194FE3PQ/1?accountid=14>

783

132.

cp-2017-147.pdf. <https://www.clim-past-discuss.net/cp-2017-147/cp-2017-147.pdf>

133.

J. U. L. Baldini. Evaluating the link between the sulfur-rich Laacher See volcanic eruption and the Younger Dryas climate anomaly. *Climate of the Past*. 2018;14:969-990.
<https://doaj.org/article/c82dab44001c4b949ee409f70f257021>

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;122(15):7922-7948. doi:10.1002/2017JD026783

135.

Muhammad Mubashar Dogar. Ocean Sensitivity to Periodic and Constant Volcanism. *Scientific Reports*. 2020;10(1):1-15.
<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. Published online 15 February 2018. 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):7971-7989.
doi:10.1002/2017JD026728

138.

Papale P. Global time-size distribution of volcanic eruptions on Earth. *Scientific Reports*. 2018;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.

<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*. Published online 4 July 2019. 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*. Published online 4 July 2019. 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*. 2011;108(38):15710-15715.

http://www.jstor.org/stable/41352334?seq=1#page_scan_tab_contents

143.

Jo

n
Steingri

sson. *Fires of the Earth: The Laki Eruption, 1783-1784*. 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;151(3):241-247.
doi:10.1016/0048-9697(94)90473-1

145.

Pollution and paradigms: lessons from Icelandic volcanism for - Pollution and paradigms1.pdf.
<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. <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;39(1):n/a-n/a. doi:10.1029/2011GL050075

148.

Effects of volcanic air pollution on health.
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*. 2011;108(38):15710-15715.
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;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.

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*. 2010;306(5700).

https://whel-primo.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=TN_gale_ofa126164075&context=PC&vid=44WHELFBW_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;99(3-4):535-546. 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;38(5):n/a-n/a. doi:10.1029/2011GL046696

155.

Balkanski Y, Menut L, Garnier E, et al. Mortality induced by PM2.5 exposure following the 1783 Laki eruption using reconstructed meteorological fields. *Scientific Reports*. 2018;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, et al. European floods during the winter 1783/1784: scenarios of an extreme event during the 'Little Ice Age'. *Theoretical and Applied Climatology*. 2010;100(1-2):163-189. 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*. 1999;18(12):1365-1371.
https://whel-primo.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=TN_wos000083568700004&context=PC&vid=44WHELP_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, et al. The impacts of a Laki-like eruption on the present Swedish society. *Natural Hazards*. 2017;88(3):1565-1590. 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;76(3-4):443-457. 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;76(3-4):443-457. doi:10.1007/s10584-005-9012-3

162.

The drought and locust plague of 942-944 AD in the Yellow River Basin, China | Elsevier Enhanced Reader.

<https://reader.elsevier.com/reader/sd/pii/S1040618214009215?token=95E82F06BE891AA37145B67D4A9B21F07267BC7E62AE025444E60286F4D9BB0BC9C7ED2CE641808B3AA00F62292967D1>

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;70(2):169-182. 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;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*. 27(1):29-43. <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*. 525(7569):367-385. <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'. <https://go.gale.com/ps/i.do?&id=GALE|A578128317&v=2.1&u=uniaber&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):9739-9757. 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):9739-9757. doi:10.1002/2015JD023638

170.

Rampino MR, Self S, Stothers RB. Volcanic Winters. *Annual Review of Earth and Planetary Sciences*. 1988;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;63(8):221-225. doi:10.1002/wea.263

172.

Rampino M. Supereruptions as a Threat to Civilizations on Earth-like Planets. *Icarus*. 2002;156(2):562-569. doi:10.1006/icar.2001.6808

173.

Miller CF, Wark DA. SUPERVOLCANOES AND THEIR EXPLOSIVE SUPERERUPTIONS. *Elements*. 2008;4(1):11-15. doi:10.2113/GSELEMENTS.4.1.11

174.

Kent A. RESEARCH FOCUS: Tackling supervolcanoes: Big and fast? *Geology*. 2015;43(11):1039-1040. doi:10.1130/focus112015.1

175.

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

176.

Dunbar NW, Iverson NA, Van Eaton AR, et al. New Zealand supereruption provides time marker for the Last Glacial Maximum in Antarctica. *Scientific Reports*. 2017;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*. 2004;101(17).
https://www.jstor.org/stable/3372084?seq=1#metadata_info_tab_contents

178.

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

179.

Anja Schmidt. 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;15(8):3459-3475.
doi:10.1002/2014GC005469

181.

Central Mediterranean explosive volcanism and tephrochronology during the last 630 ka based on the sediment record from Lake Ohrid | Elsevier Enhanced Reader.
<https://reader.elsevier.com/reader/sd/pii/S0277379119305712?token=963CD51172E1708D01C09E5C4667F89C6CE9FD3F957B0177EC133AC6F6B960CF331F3C2E140EE61CE2D2AC8BB5E2FB1F>

182.

The ~73 ka Toba super-eruption and its impact: History of a debate | Elsevier Enhanced Reader.
<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;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 [74kyr BP? *Quaternary Science Reviews*. 2002;21(14-15):1593-1609.
doi:10.1016/S0277-3791(01)00154-8

185.

Rampino, M R. Bottleneck in human evolution and the Toba eruption. *Science (New York)*. 2014;262(5142).
https://whel-primo.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=TN_medline8266085&context=PC&vid=44WHELFBW_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;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*. Vol 345. Geological Society of America; 2000:71-82. doi:10.1130/0-8137-2345-0.71

188.

Michael R. Rampino and Stephen Self. Bottleneck in Human Evolution and the Toba Eruption. *Science*. 1955;262(5142).
https://www.jstor.org/stable/2882944?Search=yes&resultItemClick=true&searchText=no%3A5142&searchText=AND&searchText=sn%3A00368075&searchText=AND&searchText=sp%3A1955&searchText=AND&searchText=vo%3A262&searchText=AND&searchText=year%3A1993&searchUri=%2Faction%2FdoBasicSearch%3FQuery%3Dno%253A5142%2BAND%2Bsn%253A00368075%2BAND%2Bsp%253A1955%2BAND%2Bvo%253A262%2BAND%2Byear%253A1993%26amp%3Bymod%3DYour%2Binbound%2Blink%2Bdid%2Bnot%2Bhave%2Ban%2Bexact%2Bmatch%2Bin%2Bour%2Bdatabase.%2BBut%2Bbased%2Bon%2Bthe%2Belements%2Bwe%2Bcould%2Bmatch%252C%2Bwe%2Bhave%2Breturned%2Bthe%2Bfollowing%2Bresults.&ab_segments=0%2Fbasic_SYC-4946%2Fcontrol&refreqid=search-gateway%3A6e4dc1201ce6c8f7dab34dd5daf89e9&seq=1#metadata_info_tab_contents

189.

Wagner B, Leng MJ, Wilke T, et al. Potential impact of the 74 ka Toba eruption on the Balkan region, SE Europe. *Climate of the Past Discussions*. 2013;9(3):3307-3319. 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;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. Published online 2018. doi:10.17863/CAM.23506

192.

Smith EI, Jacobs Z, Johnsen R, et al. Humans thrived in South Africa through the Toba eruption about 74,000 years ago. *Nature*. 2018;555(7697):511-515. doi:10.1038/nature25967

193.

Oppenheimer S. A single southern exit of modern humans from Africa: Before or after Toba? *Quaternary International*. 2012;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*. 2013;110(20):8025-8029. 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&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;258:119-134. doi:10.1016/j.quaint.2011.07.042

196.

Michael Petraglia, Ravi Korisettar, Nicole Boivin, Christopher Clarkson, Peter Ditchfield, Sacha Jones, Jinu Koshy, Marta Mirazón Lahr, Clive Oppenheimer, David Pyle, Richard Roberts, Jean-Luc Schwenninger, Lee Arnold and Kevin White. Middle Paleolithic Assemblages from the Indian Subcontinent before and after the Toba Super-Eruption. *Science*. 2007;317(5834).

https://www.jstor.org/stable/20036656?seq=1#metadata_info_tab_contents

197.

Clarkson, Chris. Continuity and change in the lithic industries of the Jurreru Valley, India, before and after the Toba eruption.(Report). Quaternary International. 2014;258.
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;73(2):336-350. doi:10.1016/j.yqres.2009.11.005

199.

Late Pleistocene human population bottlenecks, volcanic winter, and differentiation of modern humans | Elsevier Enhanced Reader.
<https://reader.elsevier.com/reader/sd/pii/S0047248498902196?token=7552FDE4AD153D8033B785131D7F8AC34E3E0ABA77DAB40EB3C9A449AD44583FDD787C3AF2592A72C48BA00A84A91473>

200.

Williams MAJ, Ambrose SH, van der Kaars S, et al. Environmental impact of the 73ka Toba super-eruption in South Asia. Palaeogeography, Palaeoclimatology, Palaeoecology. 2009;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;296(1-2):199-203. doi:10.1016/j.palaeo.2010.03.057

202.

Williams MAJ, Ambrose SH, der Kaars S van, 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;296(1-2):204-211. doi:10.1016/j.palaeo.2010.05.043

203.

Haslam M, Clarkson C, Petraglia M, 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;37(12):3370-3384. 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. 2014;258:119-134. 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. 484(7396):24-27. 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. 2014;258. https://whel-primo.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=TN_gale_ofa2

85620234&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, et al. Potential impact of the 74 ka Toba eruption on the Balkan region, SE Europe. *Climate of the Past Discussions*. 2013;9(3):3307-3319. 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*. 2014;28(20):3915-3918.

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;110(20):8025-8029. 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* .:889-893.

[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. 2012;258.

<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*. 2013;110(26). 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;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;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;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;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;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;57(3):420-424. 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;55(5):834-857. doi:10.1016/j.jhevol.2008.08.012

220.

Pyle DM, Ricketts GD, Margari V, et al. Wide dispersal and deposition of distal tephra during the Pleistocene 'Campanian Ignimbrite/Y5' eruption, Italy. *Quaternary Science Reviews*. 2006;25(21-22):2713-2728. doi:10.1016/j.quascirev.2006.06.008

221.

The Campanian Ignimbrite (Y5) tephra at Crvena Stijena Rockshelter, Montenegro | Elsevier Enhanced Reader.
<https://reader.elsevier.com/reader/sd/pii/S0033589411000251?token=4E4EEC6191F39F42814BC42AAD9CF316D15FA910CEF7A1DE70CB8B236CE4BA69D520AD582BFAB2D648944AE366D7D6DD>

222.

Hoffecker JF, Holliday VT, Anikovich MV, 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;55(5):858-870. doi:10.1016/j.jhevol.2008.08.018

223.

Andrei A. Sinitsyn. A Palaeolithic 'Pompeii' at Kostenki, Russia. (Research). *Antiquity*. 77(295):9-15.
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*. 2013;8(6).
<https://doi.org/article/d962f3c36bb8435990b157d3376599d8>

225.

Mellars P. The Neanderthal Problem Continued. *Current Anthropology*. 1999;40(3):341-364. 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*. 2012;109(34).
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;43(5):411-414. doi:10.1130/G36514.1

228.

The timing and spatiotemporal patterning of Neanderthal disappearance. *Nature*. 512(7514):306-310.
<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*. 479(7374):483-486.
<https://go.gale.com/ps/i.do?&id=GALE|A274027588&v=2.1&u=uniaber&p;it=r&p=AONE&sw=w>

230.

Mellars P. Neanderthals and the modern human colonization of Europe. *Nature*. 2004;432(7016):461-465. doi:10.1038/nature03103

231.

Paul Mellars and Jennifer C. French. Tenfold Population Increase in Western Europe at the Neanderthal—to—Modern Human Transition. *Science*. 2011;333(6042).
https://www.jstor.org/stable/27978352?seq=1#metadata_info_tab_contents

232.

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

233.

Tephra in caves_ Distal deposits of the Minoan Santorini eruption and the Campanian super-eruption | Elsevier Enhanced Reader.
<https://reader.elsevier.com/reader/sd/pii/S104061821830483X?token=FF97A2D0F179AEA3E8E8909A3A8E38803125C16540DAB9417F1FA46681CADA03AD31278979F2E0840ADF2C84BD7788E0>

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;115(37):9116-9121. doi:10.1073/pnas.1808647115

235.

João Zilhão. Neandertals and moderns mixed, and it matters. *Evolutionary Anthropology*:

Issues, News, and Reviews. 2006;15(5):183-195. 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*. 2013;9(1):267-267. <https://go.gale.com/ps/i.do?id=GALE%7CA481436213&v=2.1&u=uniaber&i=t&p=AONE&sw=w>

237.

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

238.

Mannella G, Giaccio B, Zanchetta G, 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;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;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;478:3-29. doi:10.1016/j.palaeo.2016.11.005

241.

Lindström S, Sanei H, van de Schootbrugge B, et al. Volcanic mercury and mutagenesis in land plants during the end-Triassic mass extinction. *Science Advances*. 2019;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;153(2):332-354. 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.
<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*. 284(5414):604-605.
<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, et al. Linking mantle plumes, large igneous provinces and environmental catastrophes. *Nature*. 2011;477(7364):312-316. doi:10.1038/nature10385

246.

Wignall PB. Large igneous provinces and mass extinctions. *Earth-Science Reviews*. 2001;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;1(5):293-297. doi:10.2113/gselements.1.5.293

248.

Ernst RE, Buchan KL, Campbell IH. Frontiers in large igneous province research. *Lithos*. 2005;79(3-4):271-297. 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;107(2):601-606. doi:10.1007/s00531-017-1513-6

250.

Saunders AD. Large Igneous Provinces: Origin and Environmental Consequences. *Elements*. 2005;1(5):259-263. doi:10.2113/gselements.1.5.259

251.

Sobolev SV, Sobolev AV, Kuzmin DV, et al. Linking mantle plumes, large igneous provinces and environmental catastrophes. *Nature*. 2011;477(7364):312-316. doi:10.1038/nature10385

252.

Grattan J. Pollution and paradigms: lessons from Icelandic volcanism for continental flood basalt studies. *Lithos*. 2005;79(3-4):343-353. doi:10.1016/j.lithos.2004.09.006

253.

Richard Stone. BACK FROM THE DEAD: The once-moribund idea that volcanism helped kill off the dinosaurs gains new credibility. *Science*. 2014;346(6215).
https://www.jstor.org/stable/24745481?Search=yes&resultItemClick=true&searchUri=%2Ftopic%2Fmass-extinction-events%2F%3FsearchType%3DfacetSearch%26amp%3Bsd%3D%26amp%3Bed%3D%26amp%3Brefreqid%3Dexcelsior%253A4c7a3104ad8fb89411b0d3db9f073dbe%26amp%3Bpagemark%3DcGFnZU1hcms9Mw%253D%253D%26amp%3Btopic%3Dmass-extinction-events%26amp%3Ballow_empty_query%3DTrue&p;ab_segments=0%2Fbasic_SYC-5055%2Fcontrol&seq=1#metadata_info_tab_contents

254.

Steven M. Holland. Ecological disruption precedes mass extinction. *Proceedings of the National Academy of Sciences of the United States of America*. 2016;113(30).
https://www.jstor.org/stable/26470935?Search=yes&resultItemClick=true&searchUri=%2Ftopic%2Fmass-extinction-events%2F%3Frefreqid%3Dexcelsior%253A4c7a3104ad8fb89411b0d3db9f073db&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;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;166(3-4):177-195. doi:10.1016/S0012-821X(98)00282-9

257.

Age of the Emeishan flood magmatism and relations to Permian–Triassic boundary events. <http://libra.msra.cn/Publication/5357742/age-of-the-emeishan-flood-magmatism-and-relations-to-permian-triassic-boundary-events>

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;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;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;4(2):104-107.
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*. 2012;109(1).
https://www.jstor.org/stable/23076231?seq=1#metadata_info_tab_contents

262.

Percival LME, Witt MLI, Mather TA, 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;428:267-280.
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;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*. 2012;109(1).
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;50(2):174-186. 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. 2013;28(7).
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. 2017;114(30).
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;98:225-246. doi:10.1016/j.jseaes.2014.11.016

269.

Yadong Sun, Michael M. Joachimski, Paul B. Wignall, Chunbo Yan, Yanlong Chen, Haishui Jiang, Lina Wang and Xulong Lai. Lethally Hot Temperatures During the Early Triassic Greenhouse. Science. 2012;338(6105).
https://www.jstor.org/stable/41704126?seq=1#metadata_info_tab_contents

270.

Keller G, Bhowmick PK, Upadhyay H, 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;78(5):399-428. doi:10.1007/s12594-011-0107-3

271.

Early to Late Maastrichtian environmental changes in the Indian Ocean compared with

Tethys and South Atlantic | Elsevier Enhanced Reader.

<https://reader.elsevier.com/reader/sd/pii/S003101821730069X?token=9E59368BF1A480D19C41B03216AE62CFB032CE517B33FD17B2D4C8AFC4CD0C3014B95F72AD1F4E87F5D05888E6623F45>

272.

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 | Elsevier Enhanced Reader.

<https://reader.elsevier.com/reader/sd/pii/S0012821X19304133?token=9B50E6970E7293FB00EDE636D74F62EB0BA45C33FA245DAD1476902AD1287E896D7A6219235DCC54A359E42D94D895D0>

273.

Preliminary comparison of ancient bole beds and modern soils developed upon the Deccan volcanic basalts around Pune (India): Potential for palaeoenvironmental reconstruction.

<https://reader.elsevier.com/reader/sd/pii/S1040618206001455?token=51068B2B3A216D1053DAF06EDA03B11F9254BA3DB2935BA4E0499B93AA5E346C44F82B2D1D119DBDBB3155E2A46E61D1>

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;76(3-4):189-197. 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;201. doi:10.1016/j.earscirev.2019.102990

276.

Multiple impacts across the Cretaceous-Tertiary boundary.

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;147(1-2):177-192. doi:10.1016/S0037-0738(01)00196-8

278.

Schulte P, Alegret L, Arenillas I, et al. The Chicxulub Asteroid Impact and Mass Extinction at the Cretaceous-Paleogene Boundary. *Science*. 2010;327(5970):1214-1218. doi:10.1126/science.1177265

279.

Keller G, Sahni A, Bajpai S. Deccan volcanism, the KT mass extinction and dinosaurs. *Journal of Biosciences*. 2009;34(5):709-728. doi:10.1007/s12038-009-0059-6

280.

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

281.

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

282.

Hodel F, Macouin M, Trindade RIF, et al. Fossil black smoker yields oxygen isotopic composition of Neoproterozoic seawater. *Nature Communications*. 2018;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;11(7):665-678. doi:10.1089/ast.2010.0551

284.

Earth-Science Reviews. 2015;149.
<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;236(3-4):933-937. 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;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;114(30):7929-7934. 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;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;441:165-180. 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. Vol 53. Left Coast Press; 2007.
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;176(3):325-329. 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;151(1):10-18.
doi:10.1016/j.quaint.2006.01.019

293.

Riede F. Towards a science of past disasters. *Natural Hazards*. 2014;71(1):335-362.
doi:10.1007/s11069-013-0913-6

294.

Social responses to volcanic eruptions: A review of key concepts | Elsevier Enhanced Reader.
<https://reader.elsevier.com/reader/sd/pii/S1040618217315045?token=D8AE8C3A6359753D6D0FE577386A061826A84D07B8E6C82C0D1C416542362EBE8BEDAA531DDEE60B0A707677761F2FF5>

295.

Volcanic activity and human society | Elsevier Enhanced Reader.
<https://reader.elsevier.com/reader/sd/pii/S1040618215008782?token=4BFF11422C65A4796BA4C9B85C94A0B7DE2CE3EC2872FBD9AED51E61C6AE30A06AEF7CA8BF529763A550F5028E303F01>

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;499:186-194. doi:10.1016/j.quaint.2018.06.012

297.

Volcanic disasters and agricultural intensification: A case study from the Willaumez Peninsula, Papua New Guinea | Elsevier Enhanced Reader.
<https://reader.elsevier.com/reader/sd/pii/S104061821100187X?token=957DD20CC0E7AB3C83F5CEA197075F2CFA510A05C918DD7CD29D1BC710AD7142C406CBEA0ED0B6CED53163B817079955>

298.

Social resilience and long-term adaptation to volcanic disasters: The archaeology of continuity and innovation in the Willaumez Peninsula, Papua New Guinea | Elsevier Enhanced Reader.
<https://reader.elsevier.com/reader/sd/pii/S1040618214002535?token=BAEB0FFE44FA5EFE4CB35DA787B0AB116092B6A013138A4AF71E913F0DDC8C2D1065BD17188411ABC2C390212810942E>

299.

Changes in mid- and far-field human landscape use following the Laacher See eruption (c. 13,000 BP) | Elsevier Enhanced Reader.
<https://reader.elsevier.com/reader/sd/pii/S1040618214004625?token=929B4CAB03EC49E56F14B90156292EAAF6E8D54F7094F7B6CF5AE121276CECE216DD6C7A1DA67398981B648F9A2252DA>

300.

Evidence of cultural responses to the impact of the Mazama ash fall from deeply stratified archaeological sites in southern Alberta, Canada | Elsevier Enhanced Reader.
<https://reader.elsevier.com/reader/sd/pii/S1040618214005710?token=2963043EA7F872BCF96AAEA166AE865544D5787E1296D650809F7892FA0844B6E60DA91320E7AF252ADE63CD2B04B40D>

301.

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) | Elsevier Enhanced Reader.
<https://reader.elsevier.com/reader/sd/pii/S1040618215007090?token=5BC28A2B2576D0F5B208781B84A8A623845C2F735E442C62405C1B8234FC4D52B49F46FC00933D3242D0C641C1AA99E2>

302.

Reconciling multiple ice-core volcanic histories: The potential of tree-ring and documentary evidence, 670-730 CE | Elsevier Enhanced Reader.
<https://reader.elsevier.com/reader/sd/pii/S1040618215013464?token=C6435D598538AB261293887A9839D0F615EA3E661366B9746077BA40CE4E82A1CAE480BA177CF0EA3DA60D027BDE68F2>

303.

Torrence R, Grattan J. Natural Disasters and Cultural Change. Vol One world archaeology. Routledge; 2002.
http://eu.alma.exlibrisgroup.com/view/action/uresolver.do?operation=resolveService&package_service_id=3037231330002418&institutionId=2418&customerId=2415

304.

McGuire B. The Archaeology of Geological Catastrophes. Vol Geological Society special publication. 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;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;172(3-4):216-228. doi:10.1016/j.jvolgeores.2007.12.009

307.

Torrence R. Social responses to volcanic eruptions: A review of key concepts. *Quaternary International*. 2019;499:258-265. 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;499:266-277. 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*. 2006;103(12).
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;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*. 1982;86(1):39-51. <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;499:205-220. 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;173-174:57-66. doi:10.1016/j.quaint.2007.03.001

314.

The effects of the Avellino Pumice eruption on the population of the Early Bronze age Campanian plain (Southern Italy) | Elsevier Enhanced Reader.
<https://reader.elsevier.com/reader/sd/pii/S1040618218301228?token=79D7A12B29C1F81D9D3A0F58F90748B005D19DBD1698C5B59903C6A4FA58AAF79F27FA7FF61D9E3F4E5D31ACD812EFE4>

315.

Di Vito MA, Talamo P, de Vita S, Rucco I, Zanchetta G, Cesarano M. Dynamics and effects of the Vesuvius Pomice di Avellino Plinian eruption and related phenomena on the Bronze Age landscape of Campania region (Southern Italy). *Quaternary International*. 2019;499:231-244. 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;73(6):767-783. doi:10.1007/s00445-011-0455-2

317.

Gurioli L, Sulpizio R, Cioni R, et al. Pyroclastic flow hazard assessment at Somma-Vesuvius based on the geological record. *Bulletin of Volcanology*. 2010;72(9):1021-1038. 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;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;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;499:205-220. 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;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;77(1-3):217-228. doi:10.1016/0167-2789(94)90135-X

323.

Pearson CL, Brewer PW, Brown D, et al. Annual radiocarbon record indicates 16th century BCE date for the Thera eruption. *Science Advances*. 2018;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;23(2):160-176. doi:10.1080/14614103.2017.1288885

325.

Tephra in caves_ Distal deposits of the Minoan Santorini eruption and the Campanian

super-eruption | Elsevier Enhanced Reader.

<https://reader.elsevier.com/reader/sd/pii/S104061821830483X?token=FF97A2D0F179AEA3E8E8909A3A8E38803125C16540DAB9417F1FA46681CADA03AD31278979F2E0840ADF2C84BD7788E0>

326.

Paolo Cherubini. The olive-branch dating of the Santorini eruption. *Antiquity*. 88(339):267-274.

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. <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;100(7):683-689. 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*. 88(342):1164-1180.

<https://go.gale.com/ps/i.do?&id=GALE|A398627713&v=2.1&u=uniaber&it=r&p=AONE&sw=w>

330.

Medical papyri describe the effects of the Santorini eruption on human health, and date the eruption to August 1603–March 1601 BC.

<https://reader.elsevier.com/reader/sd/pii/S0306987706005573?token=DAEB1FCD9B957C164CCFDE1E2DF78C6E4CCB706CF0CA20256DFBEEA257D11E5BFABC31BF10FD91E9032E5D494AC1EE0A>

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;23(2):160-176. doi:10.1080/14614103.2017.1288885

332.

Knappett, Carl Rivers, Ray Evans, Tim. The Theran eruption and Minoan Palatial Collapse. *Journal of Archaeological Science*. 2017;85(9):1008-1023. doi:10.1016/j.jas.2017.07.011
<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;13(5):733-749. doi:10.1191/0959683603hl659p

334.

Speleothems as sensitive recorders of volcanic eruptions – the Bronze Age Minoan eruption recorded in a stalagmite from Turkey | Elsevier Enhanced Reader. doi:10.1016/j.speleo.2019.05.001
<https://reader.elsevier.com/reader/sd/pii/S0012821X14000570?token=2ABFE04AD3F8AB8DC1684D2DA9B5701D6D87666872A5151EB04D3C6DD789F7DAD3721FDAED98C0B86CC361E9E92334D>

335.

Six medical papyri describe the effect of Santorini's volcanic ash. *Journal of Archaeological Science*. 2017;85(9):1008-1023. doi:10.1016/j.jas.2017.07.011
<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*. 2017;10(1):1-10. doi:10.1016/j.mh.2017.01.001

. 2006;66(1):193-196. 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;139:91-102. doi:10.1016/j.jmarsys.2014.05.016

338.

Modeling cultural responses to volcanic disaster in the ancient Jama-Coaque tradition, coastal Ecuador: A case study in cultural collapse and social resilience | Elsevier Enhanced Reader.
<https://reader.elsevier.com/reader/sd/pii/S1040618215008794?token=C280BD04B409C9B696DD4724F4EFBFC8BD31FD9BFFED653A8B81C65448BD2DD0D6031E8C65D26942772EC00E7E72596D>

339.

Abbott DA, Sheets PD, Cooper J. *Surviving Sudden Environmental Change: Answers from Archaeology*. 1st ed. University Press of Colorado; 2012.
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, et al. Evidence for recent volcanism on Mars from crater counts. *Nature*. 1999;397(6720):586-589. doi:10.1038/17545

341.

Cousins CR, Crawford IA. Volcano-Ice Interaction as a Microbial Habitat on Earth and Mars. *Astrobiology*. 2011;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. <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?. Vol Special paper*. Geological Society of America; :11-30. doi:10.1130/2010.2470(02)

345.

Volcanism and tectonics on Venus. <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*. Published online 2011. https://whel-primo.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=TN_gale_ofg597833465&context=PC&vid=44WHELFBW_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;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;4(3-4):175-186.
doi:10.1017/S1473550405002715

350.

Kaltenegger L, Henning WG, Sasselov DD. DETECTING VOLCANISM ON EXTRASOLAR PLANETS. *The Astronomical Journal*. 2010;140(5):1370-1380.
doi:10.1088/0004-6256/140/5/1370

351.

Buizert C, Sigl M, Severi M, et al. Abrupt ice-age shifts in southern westerly winds and Antarctic climate forced from the north. *Nature*. 2018;563(7733):681-685.
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;66(1):193-196. 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;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;478:30-52.
doi:10.1016/j.palaeo.2017.03.014