

DUMF1043 Earth System Science

Full reading list for Earth System Science on University of Glasgow
Dumfries campus

View Online



A Robust Response of the East Asian Monsoon Rainband to Solar Variability | Musings on Quantitative Palaeoecology (no date). Available at:
<https://quantpalaeo.wordpress.com/2015/02/01/a-robust-response-of-the-east-asian-monsoon-rainband-to-solar-variability/>.

Animation: Satellite images of surging glaciers in Asia - Carbon Brief (no date). Available at:
http://www.carbonbrief.org/animation-satellite-images-of-surging-glaciers-in-asia?utm_content=buffer98022&utm_medium=social&utm_source=twitter.com&utm_campaign=buffer.

Are ice sheet losses overestimated? (no date). Available at:
<http://www.skepticalscience.com/Are-ice-sheet-losses-overestimated.html>.

Bamber, J. (no date) 'Ice sheet modelling proves a slippery subject'. Available at:
<http://environmentalresearchweb.org/cws/article/opinion/30465>.

Bell, M. (2005) Late Quaternary environmental change: physical and human perspectives (Chapter 2). 2nd ed. Prentice Hall. Available at:
<http://libcat.uhi.ac.uk/record=b1493184~S18>.

Bell, M. and Walker, M.J.C. (2013) Late quaternary environmental change: physical and human perspectives. Second edition. Abingdon, Oxon: Routledge, an imprint of the Taylor & Francis Group. Available at:
<https://ezproxy.lib.gla.ac.uk/login?url=https://www.taylorfrancis.com/books/9781315847740>.

Bellamy, P.H. et al. (2005) 'Carbon losses from all soils across England and Wales 1978–2003', *Nature*, 437(7056), pp. 245–248. Available at:
<https://doi.org/10.1038/nature04038>.

Benn, D.I. and Evans, D.J.A. (2013) *Glaciers & glaciation*. Second edition. London: Routledge. Available at:
<https://ezproxy.lib.gla.ac.uk/login?url=https://www.taylorfrancis.com/books/9781444128390>.

Brady, N.C. (1998) *The nature and properties of soils*. Prentice Hall. Available at:
https://uws-primo.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=44PAI_ALMA2124386220003931&context=L&vid=44PAI_V1&search_scope=default_scope&tab=default_tab&en_US=en_US&en_US=en_US.

Brienen, R.J.W. et al. (2015) 'Long-term decline of the Amazon carbon sink', *Nature*, 519(7543), pp. 344–348. Available at: <https://doi.org/10.1038/nature14283>.

Cai, W. et al. (2015) 'ENSO and greenhouse warming', *Nature Climate Change*, 5(9), pp. 849–859. Available at: <https://doi.org/10.1038/nclimate2743>.

Catalyst: Snowball Earth - ABC TV Science (no date). Available at: <http://www.abc.net.au/catalyst/stories/2377133.htm>.

CERES Brochure (no date). Available at: http://ceres.larc.nasa.gov/ceres_brochure.php.

Chapter 4. The Atmospheric Circulation System. *The Earth System (Third Edition)*. Kump, Kasting and Crane. (no date). Available at: https://uws-primo.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=44PAI_ALMA2119128100003931&context=L&vid=44PAI_V1&lang=en_US&search_scope=default_scope&adaptor=Local%20Search%20Engine&isFrbr=true&tab=default_tab&query=any,contains,The%20Earth%20System&sortby=date&facet=frbrgroupid,include,2195378439&offset=0.

Chapter 5 The Ocean Circulation. *The Earth System (Third Edition)*. Kump, Kasting, Crane. (no date). Available at: https://uws-primo.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=44PAI_ALMA2119128100003931&context=L&vid=44PAI_V1&lang=en_US&search_scope=default_scope&adaptor=Local%20Search%20Engine&isFrbr=true&tab=default_tab&query=any,contains,The%20Earth%20System&sortby=date&facet=frbrgroupid,include,2195378439&offset=0.

Chapter 14. Pliocene Glaciations. *The Earth System (Third Edition)*. Kump, Kasting, Crane. (no date). Available at: https://uws-primo.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=44PAI_ALMA2119128100003931&context=L&vid=44PAI_V1&lang=en_US&search_scope=default_scope&adaptor=Local%20Search%20Engine&isFrbr=true&tab=default_tab&query=any,contains,The%20Earth%20System&sortby=date&facet=frbrgroupid,include,2195378439&offset=0.

'Daisyworld pt.1 : James Lovelock and Gaia' (2009). Available at: <https://www.youtube.com/watch?v=-gVERGAieng>.

'Daisyworld pt.2: Gaia and Daisyworld' (2009). Available at: <https://www.youtube.com/watch?v=1glQShSrklI>.

'Daisyworld pt.3: Self regulation' (2009). Available at: https://www.youtube.com/watch?v=4_IszR3B8xl.

'Daisyworld Pt.4: Gaia theory and the real world' (2009). Available at: https://www.youtube.com/watch?v=4_IszR3B8xl.

Dessler, A.E. (2010) 'A Determination of the Cloud Feedback from Climate Variations over the Past Decade', *Science*, 330(6010), pp. 1523–1527. Available at: <https://doi.org/10.1126/science.1192546>.

Diamond, J.M. (2005) *Collapse: how societies choose to fail or survive*. Allen Lane.

Available at:

https://uws-primo.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=44PAI_ALMA2121617340003931&context=L&vid=44PAI_V1&search_scope=default_scope&tab=default_tab&en_US=en_US.

'GEF - Bhutan: Silent Tsunami' (25 AD). Available at:

<https://www.youtube.com/watch?v=BexXgQakves>.

Holden, J. (2010) 'Chapter 7: Soil and the Environment', in An introduction to Physical geography and the Environment. Pearson Prentice Hall. Available at:

<http://libcat.uhi.ac.uk/record=b1533410~S18>.

Holden, J. (2012) An introduction to physical geography and the environment [electronic resource]. 3rd ed. Harlow, Essex: Pearson. Available at:

<https://www.vlebooks.com/vleweb/product/openreader?id=GlasgowUni&isbn=9780273740872>.

Holden, J. and Dawson Books (2012) An introduction to physical geography and the environment [electronic resource]. 3rd ed. Harlow, Essex: Pearson. Available at:

<https://www.vlebooks.com/vleweb/product/openreader?id=GlasgowUni&isbn=9780273740872>.

How A Simple Truth Can Be A Most Effective Lie - Dan's Wild Wild Science Journal - AGU Blogosphere (no date). Available at:

<http://blogs.agu.org/wildwildscience/2015/12/06/half-the-truth-can-be-a-most-effective-lie/>.

James Balog: Time-lapse proof of extreme ice loss | TED Talk | TED.com (no date).

Available at: http://www.ted.com/talks/james_balog_time_lapse_proof_of_extreme_ice_loss.

James Hansen: Why I must speak out about climate change | TED Talk | TED.com (no date). Available at:

http://www.ted.com/talks/james_hansen_why_i_must_speak_out_about_climate_change.

Kjeldsen, K.K. et al. (2015) 'Spatial and temporal distribution of mass loss from the Greenland Ice Sheet since AD 1900', Nature, 528(7582), pp. 396–400. Available at:

<https://doi.org/10.1038/nature16183>.

Kump, L.R. (2009a) The Earth System: Chapter 2 Daisyworld An Introduction to Systems. 3rd ed. Prentice Hall. Available at: <http://libcat.uhi.ac.uk/record=b1493196~S26>.

Kump, L.R. (2009b) The Earth System (Chapter 3). 3rd ed. Prentice Hall. Available at: <http://libcat.uhi.ac.uk/record=b1493196~S26>.

Kump, L.R., Kasting, J.F. and Crane, R.G. (2014) The earth system. Third edition. Harlow, Essex: Pearson. Available at:

<https://www.vlebooks.com/vleweb/product/openreader?id=GlasgowUni&isbn=9781292034867>.

Lisiecki, L.E. and Raymo, M.E. (2005) 'A Pliocene-Pleistocene stack of 57 globally distributed benthic δ O records', Paleoceanography, 20(1), p. n/a-n/a.

Available at: <https://doi.org/10.1029/2004PA001071>.

Lovelock, J. (1982) *Gaia: a new look at life on earth*. Oxford: Oxford University Press.

Lovelock, J. (2007) *The revenge of Gaia: why the earth is fighting back - and how we can still save humanity*. London: Penguin. Available at: https://uws-primo.hosted.exlibrisgroup.com/permalink/f/1a10t95/44PAI_ALMA2144190980003931.

Lovelock, J. (2009) *The vanishing face of Gaia: a final warning*. London: Allen Lane. Available at: https://uws-primo.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=44PAI_ALMA2117582640003931&context=L&vid=44PAI_V1&search_scope=default_scope&tab=default_tab&en_US=en_US&en_US=en_US.

MacGregor, J.A. et al. (2016) 'Holocene deceleration of the Greenland Ice Sheet', *Science*, 351(6273), pp. 590–593. Available at: <https://doi.org/10.1126/science.aab1702>.

Mann, M.E. et al. (2008) 'Proxy-based reconstructions of hemispheric and global surface temperature variations over the past two millennia', *Proceedings of the National Academy of Sciences*, 105(36), pp. 13252–13257. Available at: <https://doi.org/10.1073/pnas.0805721105>.

Milankovitch Tutorial (no date). Available at: <http://www.sciencecourseware.org/eec/GlobalWarming/Tutorials/Milankovitch/>.

Monastersky, R. and Sousanis, N. (2015) 'The fragile framework', *Nature*, 527(7579), pp. 427–435. Available at: <https://doi.org/10.1038/527427a>.

'NASA - Daisyworld - This World Is Black and White' (18 ADa). Available at: <https://www.youtube.com/watch?v=sCxlqgZA7ag>.

'NASA - Daisyworld - This World Is Black and White' (18 ADb). Available at: <https://www.youtube.com/watch?v=sCxlqgZA7ag>.

'Oxygen Isotopes and the Paleoclimate Record' (16 ADa). Available at: <https://www.youtube.com/watch?v=YfRDNyB1XOY>.

'Oxygen Isotopes and the Paleoclimate Record' (16 ADb). Available at: <https://www.youtube.com/watch?v=YfRDNyB1XOY>.

'Plant macrofossils' (no date). Available at: <http://mires-and-peat.net/pages/volumes/map07/map0706.php>.

Roberts, N. (2014) *Holocene: an environmental history*. Third edition. Chichester, England: Wiley Blackwell. Available at: <https://ebookcentral.proquest.com/lib/gla/detail.action?docID=1568771>.

Swindles, G.T., Watson, E., et al. (2015) 'Spheroidal carbonaceous particles are a defining stratigraphic marker for the Anthropocene', *Scientific Reports*, 5. Available at: <https://doi.org/10.1038/srep10264>.

Swindles, G.T., Morris, P.J., et al. (2015) 'The long-term fate of permafrost peatlands under rapid climate warming', Scientific Reports, 5. Available at: <https://doi.org/10.1038/srep17951>.

The explosive science of volcanoes and peat bogs | Bogology (no date). Available at: <http://bogology.org/2014/08/28/the-explosive-science-of-volcanoes-and-peat-bogs/>.

The most influential climate change papers of all time - Carbon Brief (no date). Available at: <http://www.carbonbrief.org/the-most-influential-climate-change-papers-of-all-time>.

'The Nitrogen Cascade' (19 AD). Available at: <https://www.youtube.com/watch?v=FCuuibZR6NQ>.

Welcome to the British Society of Soil Science | British Society of Soil Science (no date). Available at: <http://soils.org.uk/>.