

References

1. Crowe, SA, Døssing, LN, Beukes, NJ, Bau, M, Kruger, SJ, Frei, R, Canfield, DE. 2013. Atmospheric oxygenation three billion years ago. *Nature*. **501**:535.
2. Rockström, J, Steffen, W, Noone, K, Scheffer, M, Teknik- och vetenskapshistoria (bytt namn, 20120201), Skolan för arkitektur och samhällsbyggnad, (ABE), KTH, Filosofi och teknikhistoria. 2009. A safe operating space for humanity. *Nature*. **461**:472-475. doi: 10.1038/461472a.
3. Schrag, DP. 2012. Geobiology of the Anthropocene. *Fundamentals of Geobiology*. 425-436.
4. Haberl, H, Erb, KH, Krausmann, F, Gaube, V, Bondeau, A, Plutzer, C, Gingrich, S, Lucht, W, Fischer-Kowalski, M. 2007. Quantifying and Mapping the Human Appropriation of Net Primary Production in Earth's Terrestrial Ecosystems. *Proc. Natl. Acad. Sci. U. S. A.* **104**:12942-12947. doi: 10.1073/pnas.0704243104.
5. Nisbet, EG, Sleep, NH. 2001. The habitat and nature of early life. *Nature*. **409**:1083.
6. Sleep, NH, Zahnle, K, Neuhoff, PS. 2001. Initiation of clement surface conditions on the earliest Earth. *Proceedings of the National Academy of Sciences*. **98**:3666-3672.
7. Gibbons, SM, Gilbert, JA. 2015. Microbial diversity—exploration of natural ecosystems and microbiomes. *Curr. Opin. Genet. Dev.* **35**:66-72.
8. Rothschild, LJ, Mancinelli, RL. 2001. Life in extreme environments. *Nature*. **409**:1092.
9. Nealson, KH. 1997. The limits of life on Earth and searching for life on Mars. *Journal of Geophysical Research: Planets*. **102**:23675-23686.
10. Gilbert, JA, Neufeld, JD. 2014. Life in a World without Microbes. *Plos Biology*. **12**:e1002020. doi: 10.1371/journal.pbio.1002020.
11. Canfield, DE, Glazer, AN, Falkowski, PG. 2010. The evolution and future of Earth's nitrogen cycle. *Science*. **330**:192-196.
12. Bender, M, Sowers, T, Labeyrie, L. 1994. The Dole effect and its variations during the last 130,000 years as measured in the Vostok ice core. *Global Biogeochem. Cycles*. **8**:363-376.
13. Jha, A. Synthetic meat: How the world's costliest burger made it on to the plate. *The Guardian*. 10. <http://www.theguardian.com/science/2013/aug/05/synthetic-meat-burger-stem-cells>.
14. Weiss, J, Takhistov, P, McClements, DJ. 2006. Functional materials in food nanotechnology. *J. Food Sci.* **71**:
15. Falkowski, PG, Fenchel, T, Delong, EF. 2008. The Microbial Engines That Drive Earth's Biogeochemical Cycles. *Science*. **320**:1034-1039. doi: 10.1126/science.1153213.
16. National Research Council. 1993. *In situ bioremediation: When does it work?* National Academies Press.
17. Wackett, LP. 2004. Microbes and oil spills. *Environ. Microbiol.* **6**:999-1000.
18. Abdel-Raouf, N, Al-Homaidan, AA, Ibraheem, I. 2012. Microalgae and wastewater treatment. *Saudi Journal of Biological Sciences*. **19**:257-275.
19. Neculita, C, Zagury, GJ, Bussi□re, B. 2007. Passive treatment of acid mine drainage in bioreactors using sulfate-reducing bacteria. *J. Environ. Qual.* **36**:1-16.