

**Denis Noble. Articles & books on evolution.  
19 March 2024.  
With citation scores.**

- 2006: *The Music of Life: biology beyond genes.* 1400
- 2012: A Theory of Biological relativity: no privileged level of causation. 429
- 2016: *Dance to the tune of life: Biological relativity.* 237
- 2008: Genes and Causation. 226
- 2015: Evolution beyond neo-Darwinism: a new conceptual framework. 198
- 2013: Physiology is rocking the foundations of evolutionary biology. 175
- 2015: Conrad Waddington and the origin of epigenetics. 144
- 2011: Neo-Darwinism, the Modern Synthesis and selfish genes: are they of use in physiology? 143
- 2014: Evolution evolves: physiology returns to centre stage. 140
- 2012: Top-down causation: an integrating theme within and across the sciences? 97
- 1993: The logic of life: the challenge of integrative physiology. 89
- 2017: Evolution viewed from physics, physiology and medicine. 79
- 2019: Biological relativity requires circular causality but not symmetry of causation: so, where, what and when are the boundaries? 77
- 2018: Harnessing stochasticity: How do organisms make choices? 67
- 2021: The illusions of the modern synthesis. 66
- 2011: Differential and integral views of genetics in computational systems biology. 64
- 2017: Was the watchmaker blind? Or was she one-eyed? 61
- 2018: Central dogma or central debate? 55
- 2013: A biological relativity view of the relationships between genomes and phenotypes. 45
- 1993: The challenge of integrative physiology. 39
- 2017: New trends in evolutionary biology: biological, philosophical and social science perspectives. 35
- 2021: What prevents mainstream evolutionists teaching the whole truth about how genomes evolve? 34
- 2021: The role of stochasticity in biological communication processes. 28
- 2019: Systemic integration of inheritance systems. 27
- 2021: Can reasons and values influence action: how might intentional agency work physiologically? 26
- 2005: Genome size and numbers of biological functions. 24
- 2023: Physiology restores purpose to evolutionary biology. 20

2019: Exosomes, gemmules, pangenesis and Darwin. 20

2020: How to link genomics to physiology through epigenomics. 19

2022: How the Hodgkin Cycle became the principle of biological relativity. 15

2020: Charles Darwin, Jean-Baptiste Lamarck, and 21st century arguments on the fundamentals of biology. 15

2021: Cellular Darwinism: Regulatory networks, stochasticity, and selection in cancer development. 14

2023: *Evolution" on Purpose": Teleonomy in Living Systems.* 13

2022: Modern physiology vindicates Darwin's dream. 12

2023: *Understanding Living Systems.* 11

2021: What future for evolutionary biology? Response to commentaries on "The Illusions of the Modern Synthesis" 11

2021: Rehabilitation of Karl Popper's ideas on evolutionary biology and the nature of biological science. 11

2018: Is the whole different from the sum of its parts? A proposed procedure for measuring divergence from additivity. 8

2017: Digital and analogue information in organisms. 8

2023: How purposive agency became banned from evolutionary biology. 7

2022: Biological relativity revisited: The pre-eminent role of values. 6

2021: The value of treating cancer as an evolutionary disease. 5

2015: Central tenets of neo-Darwinism broken. Response to 'Neo-Darwinism is just fine'. 5

2023: Bubbling beyond the barrier: exosomal RNA as a vehicle for soma-germline communication. 4

2022: The evolution of consciousness and agency. 2

2022: Gregor Mendel at the source of genetics and systems biology: Celebrating the relevance of Gregor Mendel's experiments on the development of hybrid plants on the occasion of his bicentenary.

2023: Speciation by physiological selection of environmentally acquired traits. 2

2023: Bubbling beyond the barrier: exosomal RNA as a vehicle for soma-germline communication. 2