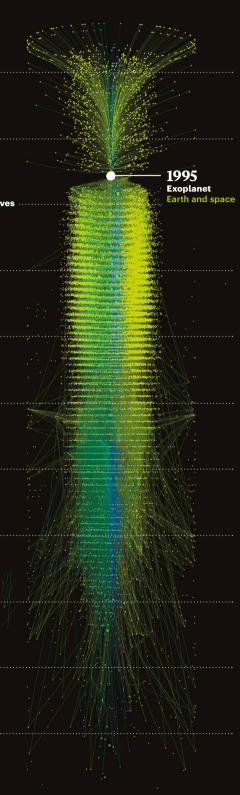


Molecular structure of nucleic acids Nature 171, 737–738 (1953) nature.com/articles/171737a0 Sexually mature individuals of Xenopus laevis from the transplantation of single somatic nuclei Nature **182**, 64–65 (1958) nature.com/articles/182064a0 Single-channel current recorded from membrane of denervated frog muscle fibres *Nature* **260**, 799–802 (1976) nature.com/articles/260799a0 Large losses of total ozone in Antarctica reveal seasonal ClO_x/NO_x interaction *Nature* **315**, 207–210 (1985) nature.com/articles/315207a0 Ordered mesoporous molecular sieves synthesized by a liquid-crystal template mechanism *Nature* **359**, 710–712 (1992) nature.com/articles/359710a0



A Jupiter-mass companion to a solar-type star Nature **378**, 355–359 (1995) nature.com/articles/378355a0

ON THE Shoulders of giants

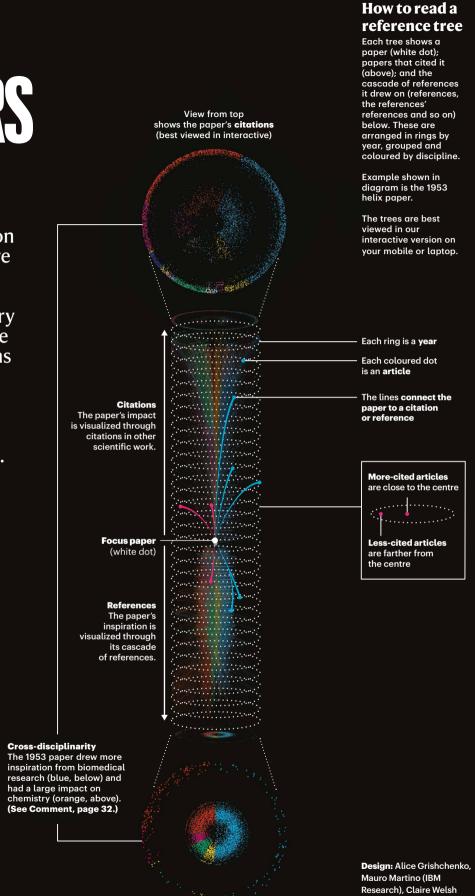
Scientific discoveries build on previous research and inspire future studies. This graphic takes six prominent articles from *Nature*'s 150-year history and visualizes their reference cascade (below) and citations (above). Each colourful 'reference tree' reveals the diversity of disciplines that inspired the featured article and that were impacted by it.

See pages 32 & 35

Discipline

- Arts
- Biology
 Biomedical research
- Chemistry
- Clinical medicine
- Earth and space
- Engineering and technology
- 🛑 Health
- Humanities
- Mathematics
- Physics
- Business and management
- Psychology
- Social sciences





View from bottom shows **references** (best viewed in interactive) Design: Auce Grisnenenko, Mauro Martino (IBM Research), Claire Welsh Data Analysis: Alexander Gates, Qing Ke, Onur Varol, Albert-László Barabási (BarabasiLab 2019)