

Further Reading

Books

Cain S (2012). *Quiet: The Power of Introverts in a World that Can't Stop Talking*. New York, NY: Crown Publishing Group.

Covey SR (1989). *The Seven Habits of Highly Effective People*. New York, NY: Simon & Schuster.

Covey SR (2004). *The 8th Habit: From Effectiveness to Greatness*. New York, NY: Free Press.

Eve MP (2014). *Open Access and the Humanities*. Cambridge: Cambridge University Press. <https://doi.org/10.1017/CBO9781316161012>.

Fisher R, Ury WL, Patton B (1991). *Getting to YES: Negotiating an Agreement without Giving In* (2nd edn). New York, NY: Penguin Group.

Heath C, Heath D (2007). *Made to Stick: Why Some Ideas Survive and Others Die*. New York, NY: Random House.

Jansen RC (2011). *Developing a Talent for Science*. Cambridge: Cambridge University Press. <https://doi.org/10.1017/CBO9780511667053>.

Jansen RC (2013). *Funding Your Career in Science: From Research Idea to Personal Grant*. Cambridge: Cambridge

University Press. <https://doi.org/10.1017/CBO9781139626965>.

Kolb DA (1983). *Experiential Learning: Experience as the Source of Learning and Development*. Upper Saddle River, NJ: FT Press.

Maister DH, Green CH, Galford RM (2000). *The Trusted Advisor*. New York, NY: Free Press, Simon & Schuster.

Riso DR, Hudson R (2017). *Personality Types*. Old Saybrook, CT: Tantor Media.

Suber P (2012). *Open Access*. (MIT Press Essential Knowledge Series). Cambridge, MA: MIT Press. Available at <http://legacy.earlham.edu/~peters/fos/overview.htm>.

Ury WL (2007). *Getting Past NO: Negotiating with Difficult People* (2nd edn). New York, NY: Penguin Group.

West MA (2012). *Effective Teamwork: Practical Lessons from Organizational Research* (3rd edn). Leicester: BPS Blackwell.

Yuki G (2013). *Leadership in Organisations* (8th edn). London: Pearson Education.

PLoS journals

Articles, commentaries, and perspectives published by the Public Library of Science (PLoS). For example:

McKiernan EC (2017). Imagining the “open” university: Sharing scholarship to improve research and education. *PLoS Biol* 15(10):e1002614. <https://doi.org/10.1371/journal.pbio.1002614>.

Moher D, Naudet F, Cristea IA, et al. (2018). Assessing scientists for hiring, promotion, and tenure. *PLoS Biol* 16(3): e2004089. <https://doi.org/10.1371/journal.pbio.2004089>. See

also the “Ten Simple Rules” collection published by PLoS Computational Biology:

Bik HM, Dove ADM, Goldstein MC, et al. (2015). Ten simple rules for effective online outreach. *PLoS Comput Biol* 11(4): e1003906. <https://doi:10.1371/journal.pcbi.1003906>.

Hart EM, Barmby P, LeBauer D, et al. (2016). Ten simple rules for digital data storage. *PLoS Comput Biol* 12(10):e1005097. <https://doi:10.1371/journal.pcbip.1005097>.

Martin JL (2014). Ten simple rules to achieve conference speaker gender balance. *PLoS Comput Biol* 10(11):e1003903. <https://doi:10.1371/journal.pcbi.1003903>.

Michener WK (2015). Ten simple rules for creating a good data management plan. *PLoS Comput Biol* 11(10):e1004525. <https://doi:10.1371/journal.pcbi.1004525>.

Shaw DM, Erren TC (2015). Ten simple rules for protecting research integrity. *PLoS Comput Biol* 11(10):e1004388. <https://doi:10.1371/journal.pcbi.1004388>.

Journals *Nature* and *Science*

Articles and commentaries published by the journals *Science* and *Nature* (some on their NatureJobs pages). Check for more recently published articles and commentaries. Here is a snapshot in this collection:

Bosch G (2018). Train PhD students to be thinkers not just specialists. *Nature* 554:277. <https://doi:10.1038/d41586-018-01853-1>.

Collins FS, Tabak LA (2014). Policy: NIH plans to enhance reproducibility. *Nature* 505:612–13. <https://doi:10.1038/505612a>.

Editorial (2018). A code of ethics to get scientists talking. *Nature* 555:5. <https://doi:10.1038/d41586-018-02516-x>.

- Editorial (2018). Checklists work to improve science. *Nature* 556:273–74. <https://doi:10.1038/d41586-018-04590-7>.
- Flier F (2017). Faculty promotion must assess reproducibility. *Nature* 549:133. <https://doi:10.1038/549133a>.
- Merton DK (1968). The Matthew effect in science. *Science* 159 (3810):56–63. <https://doi:10.1126/science.159.3810.56>.
- Open Science Collaboration (2015). Estimating the reproducibility of psychological science. *Science* 349(6251). <https://doi:10.1126/science.aac4716>.
- Powell K (2015). Interviews: Big ideas for better science. *Nature* 528: 589–90. <https://doi:10.1038/nj7583-589a>.
- Price M (2018). Proposal to rescue postdocs from limbo draws darts. *Science* 360(6386):253. <https://doi:10.1126/science.360.6386.253>.
- Special issue (2015). Challenges in irreproducible research. *Nature* (growing online list of articles). www.nature.com/news/reproducibility-1.17552.
- Special issue (2015). Interdisciplinarity. *Nature*. www.nature.com/news/interdisciplinarity-1.18295
- Stephan P, Veugeler R, Wang J (2017). Reviewers are blinkered by bibliometrics. *Nature* 544: 411–12. <https://doi:10.1038/544411a>.
- Sundin J, Jutfelt F (2018). Keeping science honest. *Science* 359 (6383):1443. <https://doi:10.1126/science.aat3473>.
- Urry M (2015). Science and gender: Scientists must work harder on equality. *Nature* 528:471–73. <https://doi:10.1038/528471a>.
- Woolston C (2015). Conference tweeting rule frustrates ecologists: Complaints ensued when attendees at an ecology meeting were asked to get permission before live-tweeting. *Nature* 524:391. <https://doi:10.1038/524391f>.
- Woolston C (2018). Science PhDs lead to enjoyable jobs. *Nature* 555:277. <https://doi:10.1038/d41586-018-02696-6>.

Other scientific journals

Bol Th, De Vaan M, Van De Rijdt A (2018). The Matthew effect in science funding. *PNAS*, published ahead of print April 23. <https://doi.org/10.1073/pnas.1719557115>.

Eve MP, Inglis K, Prosser D, Speicher L, Stone G (2017). Cost estimates of an open access mandate for monographs in the UK's third Research Excellence Framework. *Insights* 30 (3):89–102. <https://doi:10.1629/uksg.392>.

Gaucher D, Friesen J, Kay AC (2011). Evidence that gendered wording in job advertisements exists and sustains gender inequality. *Journal of Personality and Social Psychology* 101 (1): 109–28.

Munafo MR, Nosek BA, Bishop DVM, et al. (2017). A manifesto for reproducible science. *Nature Human Behavior* 1. <https://doi:10.1038/s41562-016-0021>.

Prins P, De Ligt J, Tarasov A, et al. (2015). Toward effective software solutions for big biology. *Nature Biotechnology* 33:686–87. <https://doi:10.1038/nbt.3240>.

Redeker M, De Vries RE, Rouckhout D, Vermeren P, De Fruyt F (2014). Integrating leadership: The leadership circumplex. *European Journal of Work and Organizational Psychology* 23: 435–55.

Scheffer M (2014). The forgotten half of scientific thinking. *PNAS* 111:6119. <https://doi:10.1073/pnas.1404649111>.

Trelles O, Prins P, Snir M, Jansen RC (2011). Big data, but are we ready? *Nature Reviews Genetics* 12(3):224. <https://doi:10.1038/nrg2857-c1>.

Tuckman BW (1965). Developmental sequence in small groups. *Psychological Bulletin* 63(6):384–99. <http://dx.doi.org/10.1037/h0022100>.

Wilkinson MD, Dumontier M, Aalbersberg IJ, et al. (2016). The FAIR guiding principles for scientific data management and stewardship. *Scientific Data* 3:160018. <https://doi:10.1038/sdata.2016.18>.

Commentaries in *The Scientist* and *Scientific American*

Check for their daily or weekly articles and commentaries. Here is a snapshot:

Akst J (2015). #IceBucketChallenge payoff: A year after the viral ALS awareness campaign raised millions, researchers say they have something to show for the influx of funds. *The Scientist*, August 20.

Grant B (2014). The working vacation: Sabbaticals are one of the perks of the academic life. They may seem daunting to implement, but the time away could prove invaluable to your career. *The Scientist*, April 1.

Grens K (2015). Self-correction: What to do when you realize your publication is fatally flawed. *The Scientist*, December 1.

Kwon D (2017). A turbulent year in the publishing world. *The Scientist*, December 16.

Lee DN (2014). Scientists draw on personal experience to guide their curiosity. *Scientific American*, October 1.

Phillips KW (2014). How diversity makes us smarter. *Scientific American*, October 1.

Pritsker M (2013). Opinion: Video saved the scientific publication. How visual materials and methods can save scientists time and money. *The Scientist*, November 11.

Thomas JR (2015). Scientific misconduct: Red flags. Warning signs that scandal might be brewing in your lab. *The Scientist*, December 1.

Yandell K (2014). Keeping up with IP. It's never too early to start thinking about intellectual property rights – even for biologists doing basic research. *The Scientist*, September 1.

Vence T (2015). Know your PIO. Scientists and public information officers share several common goals. Here's how to collaborate effectively. *The Scientist*, January 1.

Blogs

Scientists blog on all kind of topics. Below is a snapshot of blogs on topics related to this book. Check social media for new blogs.

Albers E (2016). There is no open science without the use of open standards and free software. June 2. <http://blog.3rik.cc/2016/06/there-is-no-open-science-without-the-use-of-open-standards-and-free-software/>.

Anonymous academic (2015). Academics, you need to be managed. It's time to accept that. August 21. www.theguardian.com/higher-education-network/2015/aug/21/academics-you-need-to-be-managed-its-time-to-accept-that.

Anonymous academic (2016). Academia is now incompatible with family life, thanks to casual contracts. December 2. www.theguardian.com/higher-education-network/2016/dec/02/short-term-contracts-university-academia-family.

Bodewits K, Gramlich F, Giltner D (2018). The autopilot postdoc. Falling into a postdoc after a PhD is a waste of excellent credentials. March 26. <http://blogs.nature.com/naturejobs/2018/03/26/the-autopilot-postdoc/>.

Cameron D (2013). Solving big-data bottleneck. Scientists team with business innovators to tackle research hurdles. February 7. <https://hms.harvard.edu/news/solving-big-data-bottleneck-2-7-13>.

Donald A (2016). Writing reference letters. Do you want to be described as hard working? December 2. www.timeshighereducation.com/blog/gendered-adjectives-do-you-want-be-described-hard-working.

Dunleavy P (2015). How to write a blogpost from your journal article. May 17. <https://medium.com/advice-and-help-in-authoring-a-phd-or-non-fiction/how-to-write-a-blogpost-from-your-journal-article-6511a3837caa#.osq5tvb8r>.

Elson M (2016). Retaining copyright for figures in academic publications to allow easy citation and reuse. November 11. <https://medium.com/@malte.elson/retaining-copyright-for-figures-in-academic-publications-to-allow-easy-citation-and-reuse-77c6e2b511fe#.o0odm3ek5>.

Macfarlane B (2014). No place for introverts in the academy? In today's brave new world of university learning, students aren't allowed to be shy. September 25. www.timeshighereducation.com/features/no-place-for-introverts-in-the-academy/2015836.article and www.timeshighereducation.com/features/the-story-of-a-shy-academic.

Martin J (2016). Conference gender speaker balance. Show me the policy (part 2). December 9. <https://cubistcrystal.wordpress.com/2016/12/09/show-me-the-policy-part-2/>.

Masuzzo P, Martens L (2017). Do you speak open science: Resources and tips to learn the language. January 3. *Peer J Preprints* 5:e2689v1. <https://doi.org/10.7287/peerj.preprints.2689v1>.

Miedema F (2018). Setting the agenda: "Who are we answering to?" BMJ Blogs, January 24. <http://blogs.bmj.com/open>

science/2018/01/24/setting-the-agenda-who-are-we-answering-to/.

Retraction Watch (2017). "I placed too much faith in underpowered studies" Nobel Prize winner admits mistakes. February 20. <http://retractionwatch.com/2017/02/20/placed-much-faith-underpowered-studies-nobel-prize-winner-admits-mistakes/>.

Shmerling RH (2016). Medical news a case for skepticism. April 22. www.health.harvard.edu/blog/medical-news-a-case-for-skepticism-201604229481.

Valatine HA (2016). How to fix the many hurdles that stand in female scientists' way. Women face discrimination of many kinds. We need a culture change. December 1. www.scientificamerican.com/article/how-to-fix-the-many-hurdles-that-stand-in-female-scientists-rsquo-way/.

Guides, platforms, toolkits, and more

Websites last accessed April 22, 2018:

10 Principles of citizen science, a collection of citizen science guidelines and publications: ecsa.citizen-science.net/documents.

Citizen science projects: www.socientize.eu (see also white paper).

Collective Labour Agreement Dutch Universities: www.labouragreementuniversities.nl (see also the full text of the agreement).

Crowdfunding platform to support open access: www.knowledgeunlatched.org/.

DORA (Declaration on Research Assessment): <https://sfdora.org/>.

European Open Science Cloud: <http://ec.europa.eu/research/openscience/eosc>.

How open is it? A guide for evaluating the openness of journals, SPARC, the Scholarly Publishing and Academic Resources Coalition: <https://sparcopen.org/our-work/howopenisit/>.

Knowledge exchange and impact: <https://info.lse.ac.uk/staff/services/knowledge-exchange-and-impact/KEI-Toolkit>.

Aalbersberg IJ, et al. (2018, February 15). *Making Science Transparent by Default; Introducing the TOP Statement*. <http://doi.org/10.17605/OSF.IO/SM78T>.

Working Group of the Steering Group of Human Resources Management in the European Research Area (2015). Open, Transparent and Merit-Based Recruitment of Researchers: Checklist and Report: https://cdn5.euraxess.org/sites/default/files/policy_library/otm-r-checklist.pdf and https://cdn1.euraxess.org/sites/default/files/policy_library/otm-r-final doc0.pdf.

Peer Reviewers' Openness Initiative: <https://opennessinitiative.org/>.

Public Engagement: www.publicengagement.ac.uk.