

The science of reading, in 12 papers

how to use this list

Twelve papers, ordered roughly from foundational to applied. Skim the abstracts first. Pick three that map to your current question. The list is biased towards practitioner relevance over methodological depth.

foundations (1 to 4)

- 1. Seidenberg, M. S. (2017). Language at the Speed of Sight. (Book, but the introduction stands alone.)
- 2. Castles, Rastle and Nation (2018). Ending the Reading Wars. Psychological Science in the Public Interest.
- 3. Snowling, M. J. and Hulme, C. (2012). Interventions for children's language and literacy difficulties. International Journal of Language & Communication Disorders.
- 4. Ehri, L. C. (2014). Orthographic mapping in the acquisition of sight word reading. Scientific Studies of Reading.

dyslexia and intervention (5 to 8)

- 5. Galuschka et al. (2014). Effectiveness of treatment approaches for children and adolescents with reading disabilities. PLoS ONE.
- 6. Wood, S. G. et al. (2018). The use of assistive technology to enhance the academic outcomes of students with disabilities. Journal of Special Education Technology.
- 7. Schiavo, G. et al. (2021). Text-to-speech and reading comprehension: a meta-analytic review.
- 8. Peters et al. (2024). Multi-modal text presentation and reading fluency in dyslexic adolescents.

attention, visual stress, and accessibility (9 to 12)

- 9. Wilkins, A. J. (2003). Reading Through Colour. (Foundational on visual stress.)
- 10. Evans, B. J. W. and Allen, P. M. (2016). A systematic review of controlled trials on visual stress.
- 11. Rello, L. and Baeza-Yates, R. (2017). How to present more readable text for people with dyslexia. Universal Access in the Information Society.
- 12. Snowling et al. (2025). Co-occurring difficulties in reading and attention: implications for classroom support.

a note on dates

Where a paper has a 2024 to 2026 successor, prefer the more recent one. Reading research moves fast in the assistive tech space.