

Best for title/abstract screening: ASReview

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Specifications	Stage: Title/abstract screening Main task: Prioritizes abstract by order of importance Platform: Desktop app Readily available: Yes
Price	Free
Reasons to use	+ Highly transparent + Highly customizable + Clean workspace
Limitations	- No collaboration possible - No labeling of literature possible

Why we picked it:

Since its launch in 2018, ASReview has turned into a big community with users, developers and researchers worldwide. It uses active learning, an AI model that ‘learns on the go’, to learn from your inclusion/exclusion decisions, and based on that, prioritizes abstracts from highest likelihood of inclusion to lowest. This way, if you followed its suggested order, and have not found any more relevant studies after a certain number of abstracts, you can conclude that you have included all relevant studies. As such, ASReview helps to cut down the number of abstracts you have to read to find the relevant studies. ASReview is the only tool of its sort that allows users to choose and tweak the active-learning algorithm. On top of it, its high transparency in the models they use, their biases and data protection put ASReview at the top of our list as an AI tool to be used that can potentially be used in research.

Who it’s for:

Researchers who need to screen through hundreds of abstracts and want to cut down the time they spend, to allocate more resources to other parts of conducting the review.