

Advances in Optics and Photonics (AOP)
Review Criteria for Review Articles and Tutorials

Advances in Optics and Photonics (AOP) publishes comprehensive review articles and multimedia tutorials appropriate for students, researchers, faculty, business professionals and engineers. Authoritative content covers advances in optics and photonics from fundamental science to engineering applications.

Review Articles

AOP review articles should provide a comprehensive overview of recent advances in the subject area and have a good bibliography (with external reference linking if possible). The article should present a balanced view of recent work in the subject area, rather than simply a summary of the author's own research. The reviewers should pay close attention to what extent the authors are focusing on their own work and mention in their report if they feel that the review is too biased.

Submitted papers are subjected to critical review according to the criteria listed below.

Quality of Scientific/Technical Content

Does the manuscript provide a comprehensive overview of recent advances on a topic related to optics, photonics, or applied optics? Is the review a valuable contribution to the field? Is the bibliography sufficient? Does the manuscript present a balanced view of recent work by active groups in the subject area? Will the work be of interest to the optics community and does the work warrant publication in an archival journal? Is it likely to be cited by others?

Rating Options: Very high, High, Moderate, Low

Overall Impact

Reviewers are asked to rate the overall impact of submitted papers assuming appropriate revisions are made. How likely is this paper to make a major impact on the research field covered? Reviews can make an impact through enabling new applications, by providing new insights, or presenting clear methods, procedures, or reviews to help other researchers perform similar work.

Rating Options: Very high, High, Moderate, Low

Quality of Presentation

Is the title accurate and does it clearly identify the subject matter? Is the abstract succinct and comprehensible to a non-specialist? Is the manuscript clearly written and logically organized? Are figures and tables understandable and readable as submitted, including all captions and labels? Is the quality of English language usage and grammar appropriate for an archival journal? If there is multimedia content, is it clearly presented and does it contribute to presentation of the research? Are the OCIS codes selected by the authors appropriate for indexing the article?

Rating Options: Very high, High, Moderate, Low

Tutorials

AOP tutorials introduce an emerging area to a broad audience of students and non-specialists. These tutorials are expected to feature excellent graphics and interactive components, like animation and video to maximize their reach. They are not intended to be a comprehensive overview of recent advances in the subject area. Reviewers should pay close attention to the tutorial nature of the article they are reviewing and mention in their report if they feel that the article cannot be justified to be a tutorial. They should also judge to what extent the authors have used the multimedia capabilities and make suggestions to improve the tutorial.

Submitted papers are subjected to critical review according to the criteria listed below.

Quality and Utility of Scientific/Technical Content

Does the tutorial introduce an emerging area to a broad audience of students and non-specialists? Is the paper an original and significant contribution to the field? Is the tutorial placed in proper context? Is the content appropriate and useful to students and non-specialists? Will the work be of interest to the optics community and does the work warrant publication in an archival journal? Is it likely to be cited by others?

Rating Options: Very high, High, Moderate, Low

Quality of Presentation

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Rating Options: Very high, High, Moderate, Low