

## **Applied Optics Review Criteria**

*Applied Optics* publishes peer-reviewed articles related to applications-centered research in optics, photonics, imaging, and sensing. Articles should concentrate on moving the potential of science and technology to the practical. Articles introduce new science or technology in an optics discipline in the form of increased understanding or a novel application of an existing topic. Articles are in-depth and should include the development and performance of technologies when applying theories.

To meet *Applied Optics* goal of publishing timely and high-impact research, submitted papers are subjected to critical review according to the criteria listed below.

### **Appropriateness for Applied Optics**

Does the subject material fall within the scope of the journal? Will the paper be of interest to the applied optics community?

**Rating Options: Very high, High, Moderate, Low, Very low**

### **Quality, Depth, and Completeness of Content**

Does the manuscript provide increased understanding related to the applications of optics, photonics, sensing, or imaging? Is the paper an original and significant contribution to the field? Is the topic covered in depth? Is the topic covered completely, e.g., theory, simulation, experimentation, and analysis?

Does the topic provide design guidelines or explain limitations on implementations of theory? Are the conclusions supported by the data presented, and is the work placed in proper context? Is prior or related work adequately referenced? Note that papers considered to be incremental, incomplete, or lacking in scientific or technical relevance are likely to be rejected. Does the work warrant publication in an archival journal?

**Rating Options: Very high, High, Moderate, Low, Very low**

### **Significance**

Reviewers are asked to rate the significance of submitted papers assuming appropriate revisions are made. What likely impact will the submitted paper have on the research field covered? Significant papers are expected to explore unanswered practical issues. They can make an impact through novel results, in-depth analysis, address important problems, provide new theoretical insights, or present clear methods, procedures, or reviews to help other researchers perform similar work.

**Rating Options: 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 (note that *Applied Optics* articles are minimally copy-edited)? If there is multimedia content, is it clearly presented and does it contribute to presentation of the research?

**Rating Options: Very high, High, Moderate, Low, Very low**

Manuscripts judged by reviewers as moderate in the first three criteria (appropriateness, technical quality & completeness, and significance) will not be accepted for publication in *Applied Optics*.