Send Orders for Reprints to reprints@benthamscience.net

Current Applied Materials, **2024**, ***3*, e26667312354352**

EDITORIAL NOTE

How to Author a Successful Manuscript for "Current Mechanics and Advanced Materials"

Kenji Uchino[1,*]

[1]*The Pennsylvania State University, University Park, PA 16802, USA*

ARTICLE HISTORY

Received: August 30, 2024
Accepted: September 09, 2024

DOI:
10.2174/0126667312354352240912103838

Abstract: This article provides insights into the manuscript submission process for the journal "Current Mechanics and Advanced Materials," published by Bentham Science Publishers. As seen from the Editor-In-Chief's perspective, we have focused on review/mini-review articles.

Keywords: Publication criteria, goal, objective, introduction, conclusion, references.

1. INTRODUCTION

The primary objective of this article is to establish clear evaluation criteria for submissions to the journal "Current Mechanics and Advanced Materials," with the aim of attracting more authors. Our goal is to showcase newly discovered results to a broad readership. Recognizing that some submitted manuscripts contain logical issues, the Editor-in-Chief (EIC) has decided to provide explicit guidelines for prospective authors. Specifically, we caution against the type of reasoning found in papers like the following: "The research area XX is expected to expand 30% annually in production. YY and ZZ groups have researched UU and VV, respectively, but the topic of WW has not been studied yet. Thus, our group worked on WW."

2. CONTRIBUTED ARTICLE

One particular research result is recommended to generate one manuscript.

2.1. Content Quality

We welcome new ideas, innovations, and inventive work that go beyond merely rehashing existing studies. Significant performance improvements are also encouraged for publication, provided they are clearly quantified, such as a threefold increase or a 30% enhancement.

2.2. Writing Quality

Manuscripts should be free of primitive English errors, logically structured, devoid of plagiarism from previous research, and include a reasonable reference list. In particular, the "Introduction" section, which primarily cites studies from other groups, is recommended to maintain a plagiarism rate below 30%.

*Address correspondence to this author at The Pennsylvania State University, University Park, PA 16802, USA;
E-mail: kenjiuchino@psu.edu; kxu1@psu.edu

2.3. Conciseness

Contributions should be limited to approximately 10 pages in a printable format, with the following recommended structure: 2 pages for 'Abstract & Introduction,' 2 pages for 'Your Research Objective,' 1 page for 'Experiments,' 3 pages for 'Results,' 1 page for 'Summary & Conclusion,' and 1 page for 'References & Acknowledgments.

2.4. Research Goals and Objectives

Abstracts and introductions must clearly describe the research goal (what targeted research is focused on) and the objective (the purpose for conducting the study).

Your manuscript may begin as follows:

"The Goal is to develop surveillance camera actuators. Among several strategies like electromagnetic linear motors (AA group), EM stepping motors (BB group), piezo-electric actuators (CC group), etc., our group has focused on micro ultrasonic motors developed last year due to their superior performance compared to other approaches.

2.5. Conclusions

Improved results should be quantified (*e.g.*, in terms of percentages or other relevant metrics).

3. REVIEW/MINI-REVIEW ARTICLE

A review or mini-review article is valuable for researchers in guiding future research directions and providing junior researchers with a foundation to build upon. It should not be merely a broad compilation of previously published papers.

3.1. Author Quality

Authors should have a strong track record in the subject area, with more than 10 published papers, and significant citation impact, contributing to more than 10% of the references.

3.2. Research Goals and Objectives

Abstracts and introductions should clearly define the research goals and describe how the review authors assess previous studies.

3.3. Thoughtful Writing

Reviews should not be mere collections of publications; each reference should be ranked within the author's research strategy.

3.4. Length and References

Review papers should be approximately 20 pages in a printable format and include more than 50 references.

3.5. Future Perspectives

Authors are encouraged to offer insights that benefit fellow researchers. At least one page should be dedicated to the 'Perspectives' section.

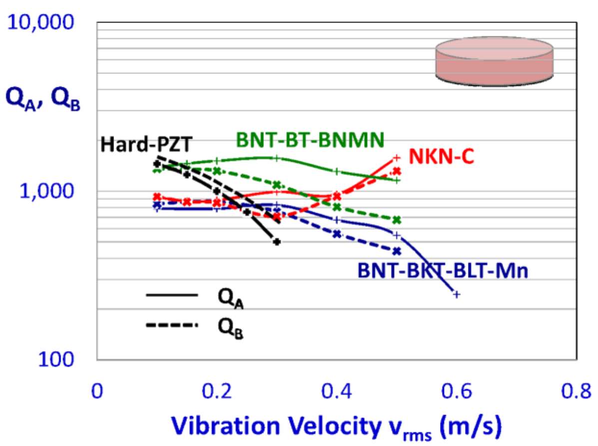

Fig. (1). High power characterization of Pb-free piezoelectrics and PZT. Vibration velocity is larger for Pb-free materials. Reproduced from Uchino, Kenji. "Piezoelectric Actuator Renaissance" Energy Harvesting and Systems, vol. 1, no. 1-2, 2014, pp. 45-56. https://doi.org/10.1515/ehs-2013-0021. (*A higher resolution / col- our version of this figure is available in the electronic copy of the article*).

CONCLUSION

The Editor-in-Chief hopes that the readers can learn how to author a successful manuscript for "Current Mechanics and Advanced Materials." Consequently, we anticipate an increase in submissions to *Current Applied Materials*."

ADDITIONAL FORMATTING REMARKS

The format for additional content, if applicable, is provided below for the authors' reference.

Figures and Tables can be inserted in the text with frames. The figure drawings should not be blurred and comprise readable font sizes (Refer to Fig. **1** and Table **1**) [1-4]. Citation format.

Table 1. Loss factors of a PZT (APC 841) determined from k_{31} and k_{33} modes (unit~10^{-3}).

tan□'11	tan□'33	tan□'33	tan□'31	tan□'33
0.77	0.90	3.5	3.7	2.5
tan□'11	**tan□'33**	**tan□'33**	**tan□'31**	**tan□'33**
0.44	0.54	3.1	0.25	1.5

AUTHORS' CONTRIBUTION

The author confirms sole responsibility for the following: study conception and design, data collection, analysis and interpretation of results, and manuscript preparation. If you have coauthors, explain each contribution. Conceptualization, XX, and YY; methodology, XX; software, YY; validation, XX and YY.

AVAILABILITY OF DATA AND MATERIALS

The source of data and materials should be clearly mentioned in the manuscript to support the findings. Sharing research data is integral to its transparency and reproducibility. Data sharing involves the citation and availability of data that support the findings of the research.

FUNDING

None. Or, if you have funding/financial support, describe the details. Example: This research was supported by ZZ, USA.

CONFLICT OF INTEREST

The authors declare no conflict of interest, financial or otherwise.

ACKNOWLEDGEMENTS

The author acknowledges the research support from: [Example: the US Office of Naval Research to Int'l Center for Actuators and Transducers, The Penn State University].

REFERENCES

Please find below the recommended format:

[1] Uchino K. Global Crisis and Sustainability Technologies. Toh Tuck Link, Singapore: World Scientific Pub. 2017.
[2] Available from: http://www.glcoherence.org/monitoring- system/about-system.html
[3] Ryu J, Carazo AV, Uchino K, Kim HE. Magnetoelectric properties in piezoelectric and magnetostrictive laminate composites. Jpn J Appl Phys 2001; 40(8R): 4948-51. http://dx.doi.org/10.1143/JJAP.40.4948
[4] Uchino K. Piezoelectric actuator renaissance. Energy Harvest Syst 2014; 1(1-2). http://dx.doi.org/10.1515/ehs-2013-0021