
Article

Title

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Abstract

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3.1. Subsection

3.1.1. Subsubsection

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75

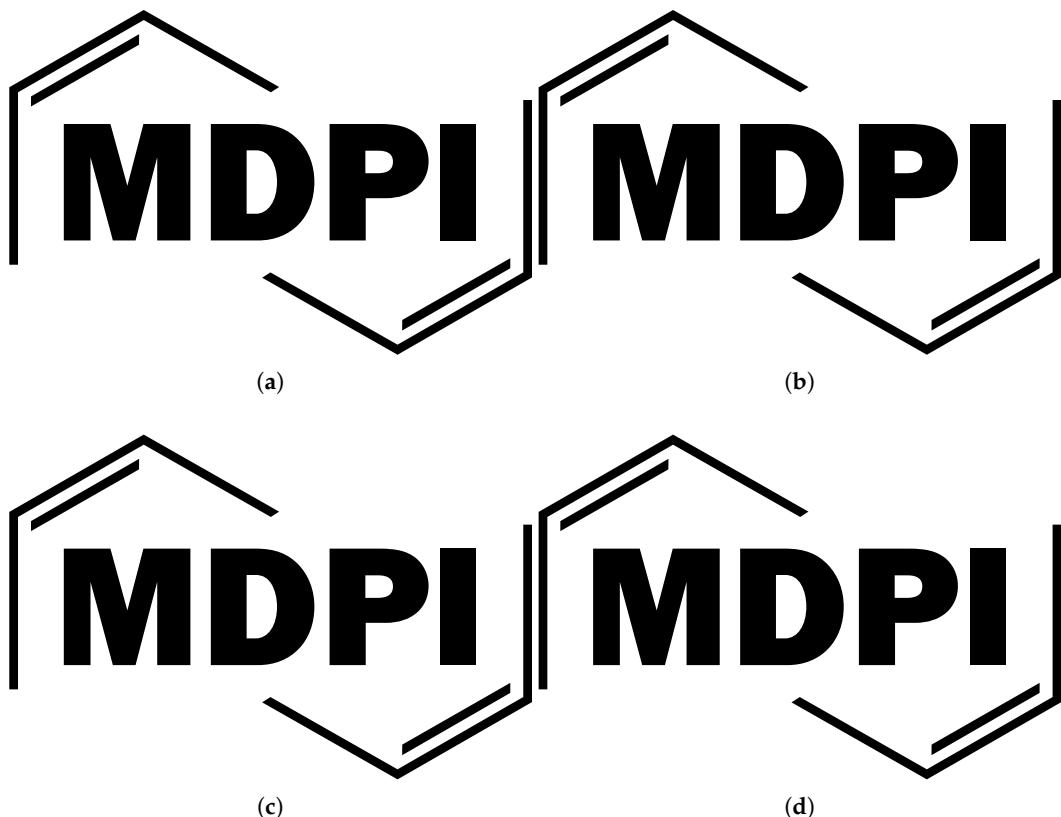


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Title 1	Title 2	Title 3	Title 4
Entry 1 *	Data	Data	Data
	Data	Data	Data
	Data	Data	Data
Entry 2	Data	Data	Data
	Data	Data	Data
	Data	Data	Data

* Tables may have a footer.

Text.	76
Text.	77
<i>3.3. Formatting of Mathematical Components</i>	78
This is the example 1 of equation:	79
$a = 1,$	(1) 80
the text following an equation need not be a new paragraph. Please punctuate equations as regular text.	81
This is the example 2 of equation:	83
$a = b + c + d + e + f + g + h + i + j + k + l + m + n + o + p + q + r + s + t + u + v + w + x + y + z$	(2) 84
Please punctuate equations as regular text. Theorem-type environments (including propositions, lemmas, corollaries etc.) can be formatted as follows:	85
Theorem 1. <i>Example text of a theorem.</i>	87
The text continues here. Proofs must be formatted as follows:	88
Proof of Theorem 1. Text of the proof. Note that the phrase “of Theorem 1” is optional if it is clear which theorem is being referred to. □	89
The text continues here.	91
4. Discussion	92
Authors should discuss the results and how they can be interpreted from the perspective of previous studies and of the working hypotheses. The findings and their implications should be discussed in the broadest context possible. Future research directions may also be highlighted.	93
5. Conclusions	97
This section is not mandatory, but can be added to the manuscript if the discussion is unusually long or complex.	98
6. Patents	100
This section is not mandatory, but may be added if there are patents resulting from the work reported in this manuscript.	101
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	104

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Abbreviations

The following abbreviations are used in this manuscript:

MDPI	Multidisciplinary Digital Publishing Institute
DOAJ	Directory of open access journals
TLA	Three letter acronym
LD	Linear dichroism

Appendix A

Appendix A.1

The appendix is an optional section that can contain details and data supplemental to the main text—for example, explanations of experimental details that would disrupt the flow of the main text but nonetheless remain crucial to understanding and reproducing the research shown; figures of replicates for experiments of which representative data are shown in the main text can be added here if brief, or as Supplementary Data. Mathematical proofs of results not central to the paper can be added as an appendix.

Table A1. This is a table caption.

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Entry 1	Data	Data
Entry 2	Data	Data

Appendix B

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References

- Azikiwe, H., & Bello, A. (2020a). Title of the cited article. *Journal Title, Volume(Issue), Firstpage–Lastpage / Article Number*.
- Azikiwe, H., & Bello, A. (2020b). *Book title*. Publisher Name.
- Davison, T. E. (2019). Title of the book chapter. In A. A. Editor (Ed.), *Title of the book: Subtitle* (pp. Firstpage–Lastpage). Publisher Name. (Original work published 1623) (Optional).
- Fistek, A., Jester, E., & Sonnenberg, K. (2017, Month Day). Title of contribution [Type of contribution]. Conference Name, Conference City, Conference Country.
- Hutcheson, V. H. (2012). *Title of the thesis* [XX Thesis, Name of Institution Awarding the Degree].
- Lippincott, T., & Poindexter, E. K. (2019). *Title of the unpublished manuscript* [Unpublished manuscript / Manuscript in preparation / Manuscript submitted for publication]. Department Name, Institution Name.
- Harwood, J. (2008). *Title of the cited article*. Available online: URL (accessed on Day Month Year).

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