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ABSTRACT

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KEYWORDS

Keyword 1; keyword 2; keyword 3 (List 3 to 10 pertinent keywords specific to the article yet reasonably common within the subject discipline.)

Glossary/Nomenclature/Abbreviations

Term 1	Interpretation 1
Term 2	Interpretation 2
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1 Introduction

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A paper for publication should be divided into multiple sections: a Title, Full Names of all the Authors including their Affiliations, a concise Abstract, a list of Keywords, Main Text (including Figures, Equations, and Tables), Acknowledgments, Funding Statement, Author Contributions, Availability of Data and Materials, Ethics Approval, Conflict of Interests, Supplementary Materials (if any), References, and Appendices (if any).



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Use 2-character indent on the first line of each new paragraph. Use single line spacing, 3 pt. spacing after the paragraph. All levels of headings should use 12 pt. spacing before, 3 pt. after.

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Equations and mathematical expressions must be inserted into the main text. Please use MathType editor or the equation editor of MS Word to edit the equations. Consistently use one of the equation editors (MathType or equation editor of MS Word) for one article. Do not use image or direct hand typing the equations. Two different types of styles can be used for equations and mathematical expressions. They are: in-line style, and display style.

3.1 In-Line Style

In-line equations/expressions are embedded into the paragraphs of the text. For example, $E = mc^2$. In-line equations or expressions should not be numbered and should use the same/similar font and size as the main text.

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Equations in display format are separated from the paragraphs of the text. Equations should be flushed to the left of the column. Equations should be made editable. Displayed equations should be numbered consecutively, using Arabic numbers in parentheses. See Eq. (1) for an example. The number should be aligned to the right margin:

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the text following an equation need not be a new paragraph. Please punctuate equations as regular text. When citing multiple equations, please use the format: Eqs. (1) and (2), Eqs. (1)–(3).

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Theorem-type environments (including propositions, lemmas, corollaries etc.) can be formatted as follows:

Theorem 1. *Example text of a theorem (Text should be italic). Theorems, propositions, lemmas, etc. should be numbered sequentially (i.e., Theorem 2 follows Theorem 1). Examples or Remarks use the same formatting, but should be numbered separately, so a document may contain Theorem 1, Remark 1 and Example 1.*

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Figure 1: This is a figure example. Please remove all non-English terms or add a definition for them

If the caption has more than one line, the text should be justify aligned on both ends. For one example, see Fig. 2 below.

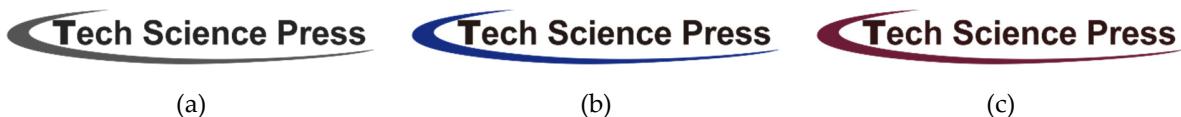


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Header 1	Header 2	Header 3	Header 4
data	data	data	data
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[1] H. S. Rhee, “Chosen-ciphertext attack secure public-key encryption with keyword search,” *Comput. Mater. Contin.*, vol. 73, no. 1, pp. 69–85, Oct. 2022. doi: 10.32604/cmc.2022.026751.

[2] H. H. Al-Khshali and M. Ilyas, “Impact of portable executable header features on malware detection accuracy,” *Comput. Mater. Contin.*, vol. 74, no. 1, pp. 153–178, Jan. 2023. doi: 10.32604/cmc.2023.032182.

[3] P. Khandelwal, Harshit, and I. Manna “Intelligent Design of High Strength and High Conductivity Copper Alloys Using Machine Learning Assisted by Genetic Algorithm,” *Comput. Mater. Contin.*, vol. 79, no. 1, pp. 1727–1755, Apr. 2024. doi: 10.32604/cmc.2024.042752

[4] Y. Dong, K. Zhao, L. Gao, and H. Li “A Hybrid Level Set Optimization Design Method of Functionally Graded Cellular Structures Considering Connectivity,” *Comput. Mater. Contin.*, vol. 79, no. 1, pp. 1–18, Apr. 2024. doi: 10.32604/cmc.2024.048870

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[6] M. Shoeibi, M. M. S. Nevisi, R. Salehi, D. Martín, Z. Halimi, and S. Baniasadi “Enhancing Hyper-Spectral Image Classification with Reinforcement Learning and Advanced Multi-Objective Binary Grey Wolf Optimization,” *Comput.*

Mater. Contin., vol. 79, no. 3, pp. 3469–3493, Jun. 2024. doi: 10.32604/cmc.2024.049847

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Journals in non-English Languages:

- J. K. Author, “Name of paper,” (in Language), *Abbrev. Title of Journal*, vol. x, no. x, pp. xxx–xxx, Abbrev. Month, Year. doi: 10.xxxx/xxxxxx.

[8] E. P. Wigner, “On a modification of the Rayleigh–Schrodinger perturbation theory,” (in German), *Math. Naturwiss. Anz. Ungar. Akad. Wiss.*, vol. 53, p. 475, 1935.

Paper has not yet been Accepted or Scheduled for Publication:

- J. K. Author, “Name of paper,” submitted for publication.

[9] C. K. Kim, “Effect of gamma rays on plasma,” submitted for publication

Paper has been Accepted or Scheduled for Publication (but has not been published as early access):

- J. K. Author, “Name of paper,” *Abbrev. Title of Journal*, to be published. doi: 10.xxxx/xxxxxx.

[10] E. H. Miller, “A note on reflector arrays,” *IEEE Trans. Antennas Propag.*, to be published.

Journals in Early Access:

- J. K. Author, “Name of paper,” *Abbrev. Title of Journal*, early access, Abbrev. Month, Year. doi: 10.xxxx/xxxxxx.

[11] F. Vatta, A. Soranzo, and F. Babich, “More accurate analysis of sum-product decoding of LDPC codes using a Gaussian approximation,” *IEEE Commun. Lett.*, early access, Dec. 11, 2018. doi: 10.1109/LCOMM.2018.2886261.

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[12] S. N. Atluri, *The Meshless Method (MLPG) for Domain & BIE Discretization*. Henderson, NV, USA: Tech Science Press, 2004.

Books with Chapter Title:

- J. K. Author, “Title of chapter in the book,” in *Title of the Published Book*, xth ed. (if available). City of Publisher, (only U.S. State), Country: Abbrev. of Publisher, Year, ch. x (optional), sec. x (optional), pp. xxx–xxx (optional).

[13] S. N. Atluri and S. Shen, “Global weak forms, weighted residuals, finite elements, boundary elements & local weak forms,” in *The Meshless Local Petrov-Galerkin (MLPG) Method*, 1st ed. Henderson, NV, USA: Tech Science Press, 2004, pp. 15–64.

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- X. Editor, Ed. *Title of the Published Book*. City of Publisher, State (only U.S.), Country: Abbrev. of Publisher, Year, ch. x (optional), sec. x (optional), pp. xxx–xxx (optional).

[14] L. Stein, “Random patterns,” in *Computers and You*, J. S. Brake, Ed., New York, NY, USA: Wiley, 1994, pp. 55–70.

[15] W. R. Leonard and M. H. Crawford, Eds. *Human Biology of Pastoral Populations*. New York, NY, USA: Cambridge Univ. Press, 2002.

Book Translated:

- J. K. Author, “Title of chapter in the book,” in *Title of the Published Book*, X. Editor and Y. Editor, Eds., xth ed. City of Publisher, State (only U.S.), Country: Abbrev. of Publisher (in Language), Year, ch. x (optional), sec. x (optional), pp. xxx–xxx (optional).

[16] K. Ichiro, *Thai Economy and Railway 1885–1935*, Tokyo: Nihon Keizai Hyoronsha (in Japanese), 2000.

Books Online:

- J. K. Author, “Title of chapter in the book,” in *Title of the Published Book*, xth ed. (if available). City of Publisher, (only U.S. State), Country: Abbrev. of Publisher, Year, ch. x (optional), sec. x (optional), pp. xxx–xxx (optional). [Online]. Available: <http://www.web.com>

[17] G. O. Young, “Synthetic structure of industrial plastics,” in *Plastics, vol. 3, Polymers of Hexadromicon*, J. Peters, Ed., 2nd ed. New York, NY, USA: McGraw-Hill, 1964, pp. 15–64. [Online]. Available: <http://www.bookref.com>.

Conference Papers:

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[18] D. Caratelli, M. C. Viganó, G. Toso, and P. Angeletti, “Analytical placement technique for sparse arrays,” presented at the 32nd ESA Antenna Workshop, Noordwijk, The Netherlands, Oct. 5–8, 2010.

Conference Papers Online:

- J. K. Author. (Date). Title of paper. Presented at Abbreviated Name of Conf. [Online]. Available: <http://www.web.com>

[19] J. A. Taylor. (Nov. 2006). Assessment: A tool for development and engagement in the first year of university study. Presented at Engaging Students: 9th Pacific Rim in Higher Education (FYHE) Conf., Griffith, Australia. [Online]. Available: http://www.fyhe.com.au/past_papers/2006/Papers/Taylor.pdf

Conference Proceedings in Print:

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[20] Amador-Perez and R. A. Rodriguez-Solis, “Analysis of a CPW-fed annular slot ring antenna using DOE,” in *Proc. IEEE Antennas Propag. Soc. Int. Symp.*, Albuquerque, NM, USA, Jul. 9–14, 2006, pp. 4301–4304.

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[21] Amador-Perez and R. A. Rodriguez-Solis, “Analysis of a CPW-fed annular slot ring antenna using DOE,” in *Proc. IEEE Antennas Propag. Soc. Int. Symp.*, A. Amador-Perez and R. A. Rodriguez-Solis, Eds. Jul. 9–14, 2006, pp. 4301–4304.

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[22] Amador-Perez and R. A. Rodriguez-Solis, “Analysis of a CPW-fed annular slot ring antenna using DOE,” in *Proc. IEEE Antennas Propag. Soc. Int. Symp.*, in Slot Ring Antennas II, vol. 3, 2nd ed., Jul. 9–14, 2006, pp. 4301–4304.

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- J. K. Author, “Title of paper,” in *Abbreviated Name of Conf.*, (Location of conference is optional), (Month and Day(s) if provided) Year, pp. xxx–xxx. [Online]. Available: <http://www.web.com>

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- J. K. Author, “Title of dissertation,” Ph.D. dissertation, Abbrev. Dept., Abbrev. Univ., City of Univ., Abbrev. State, Country, Year.

[24] N. Kawasaki, “Parametric study of thermal and chemical nonequilibrium nozzle flow,” M.S. thesis, Dept. Electron. Eng., Osaka Univ., Osaka, Japan, 1993.

[25] J. O. Williams, “Narrow-band analyzer,” Ph.D. dissertation, Dept. Elect. Eng., Harvard Univ., Cambridge, MA, USA, 1993.

Theses Online:

- J. K. Author, “Title of thesis,” M.S. thesis, Abbrev. Dept., Abbrev. Univ., City of Univ., Abbrev. State, Country, Year. [Online]. Available: <http://www.web.com>

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Patents:

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- J. K. Author, “Title of patent,” U.S. Patent xxx, Abbrev. Month Day, Year (Issued date).

- J. K. Author, “Title of patent,” Country Patent xxx, Abbrev. Month Day, Year (Issued date).

[27] J. P. Wilkinson, “Nonlinear resonant circuit devices,” U.S. Patent 3624125, Jul. 16, 1990.

[28] K. Klionovski, “Broadband dual-band microstrip antenna,” (in Russian), RU Patent Utility Model 167296, Dec. 27, 2016.

Patents Online:

- Name of the invention, by Inventor’s name. (Year, Month Day). Patent Number [Type of medium]. Available: site/path/file

[29] Screwless clip mounted computer drive, by D. Williams (2005, Apr. 26). U.S. Patent 6885550 [Online]. Available: <https://www.freepatentsonline.com/6885550.html>

Standards:

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- *Title of Standard*, Standard Number, Corporate author (Optional), location (Optional), (Month and Day(s) if provided) Year.

[30] *Parameter Values for Ultra-High Definition Television Systems for Switzerland, Production and International Programme Exchange*, Recommendation ITU-R BT.2020-2, International Telecommunications Union, Geneva, Switzerland, Oct. 2015.

Standards Online:

- *Title of Standard*, Standard Number, Corporate author (Optional), location (Optional), (Month and Day(s) if provided) Year. [Online]. Available: <http://www.web.com>

[31] *Frequency Response and Bias*, NERC Reliability Standard BAL-003-0.1b, May 2009. [Online]. Available: http://www.nerc.com/files/BAL-003-0_1b.pdf

Preprint arXiv

- J. K. Author, “Title of paper,” year, *arXiv:number*

[32] S. Urazhdin, N. O. Birge, W. P. Pratt Jr., and J. Bass, “Current-driven magnetic excitations in permalloy-based multilayer nanopillars,” 2003, *arXiv:0303149*.

Report:

- J. K. Author, “Title of report,” Abbrev. Name of Co., City of Co., Abbrev. State, Country, Rep. xxx, Year.

[33] E. E. Reber, R. L. Michell, and C. J. Carter, “Oxygen absorption in the Earth’s atmosphere,” Aerospace Corp., Los Angeles, CA, USA, Tech. Rep. TR-0200 (4230-46)-3, 1988.

Handbook and Manual

Handbook and Manuals (print)

- *Name of Handbook/Manual*, xth ed., Abbrev. Name of Co., City of Co., Abbrev. State, Country, Year, pp. xxx–xxx (when applicable).

[34] *Motorola Semiconductor Data Manual*, Motorola Semiconductor Products Inc., Phoenix, AZ, USA, 1989.

Handbook and Manuals (online)

- J. K. Author (or Abbrev. Name of Co., City of Co. Abbrev. State, Country). *Name of Manual/Handbook*, x ed. (Year). Accessed: Date. [Online]. Available: <http://www.web.com>

[35] L. Breiman. *Manual on Setting Up, Using, and Understanding Random Forests v4.0.* (2003). Accessed: Apr. 16, 2014. [Online]. Available: http://oz.berkeley.edu/users/breiman/Using_random_forests_v4.0.pdf

Datasets:

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- Author. Date, Year. “Title.” distributed by Publisher/Distributor. <http://www.web.com> (or if DOI is used, end with a period)

[36] S. Ansolabehere, M. Palmer, and A. Lee, January 20, 2014, “Precinct-Level Election Data. V1,” distributed by Harvard Election Data Archive, <http://hdl.handle.net/1902.1/21919> UNF:5:5C9UfGjdLy2ONVPtgr45qA==

Online Dataset Reference Using a Doi:

- Author, Date, “Title of Dataset,” Source. doi: 10.xxxx/xxxxxxx.

[37] U.S. Department of Health and Human Services, Aug. 2013, “Treatment Episode Dataset: Discharges (TEDS-D): Concatenated, 2006 to 2009,” U.S. Department of Health and Human Services, Substance Abuse and Mental Health Services Administration, Office of Applied Studies. doi: 10.3886/ICPSR30122.v2.

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- Author, Date, “Title of Dataset,” Source. [Online]. Available: <http://www.web.com>

Software:

- J. K. Author. Title of Software. (Version or Date Repository or Archive). Publisher Name. Accessed: Date (when applicable). [Type of Medium]. Global Persistent Identifier. Available: site/path/file

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- J. K. Author (if available). “Page Title.” Website Title (if available). Accessed: Abbrev. Month and Day, Year. [Online]. Available: <http://www.web.com>

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Unpublished:

Basic Format:

- J. K. Author, private communication, Abbrev. Month, Year.
- J. K. Author, “Title of paper,” unpublished.

[40] Harrison, private communication, May 1995.

[41] Smith, “An approach to graphs of linear forms,” unpublished.

Appendix A

The appendix is an optional section that can contain details and data supplemental to the main text. Authors that need to include an Appendix section should place it after the References section. Multiple appendices should all have headings in the style used for above. They should be ordered as such: A, B, and C etc.

Appendix B

All appendix sections must be cited in the main text. In the appendices, Figures, Tables, etc. should be labeled starting with “A”—e.g., Figure A1, Figure A2, etc.