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INTRODUCTION

Do not abbreviate Figure, Equation, etc.; display items are always singular, i.e., Figure 1 and 2. Equations are always singular, i.e., Equation 1 and 2, and should be inserted using the Equation Editor, not as graphics, in the main text. Display items and captions should be inserted after the reference section. Please do not use footnotes in the text, additional information can be added to the reference list.

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FIRST-ORDER HEADING

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Second-Order Heading

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Third-Order Heading

Physical data should be quoted with decimal points and negative exponents (e.g., 25.8 J K⁻¹ mol⁻¹), and arranged as follows where possible: mp/bp 20°C; [α]D20 = -13.5 (c = 0.2, acetone) (please also give units for [α] and c, usually deg cm³ g⁻¹ dm⁻¹ and g cm⁻³, respectively); 1H NMR (400 MHz, DMSO- d_6 , δ): 7.15 (s, 2H, Ar H), 1.3 (q, J = 8 Hz, 2H; CH₂), 0.9 (t, J = 8 Hz, 3H; CH₃); ¹³C NMR (100 MHz, CDCl₃,): 175.4 (C=O), 156.5 (C4); IR (KBr): ν = 2972 (w), 2907 (w), ..., 1026 (s; ν _{as}(SiOSi)), 971 (ν _s), ..., 666 (w; ν _s(SiOSi)), ..., 439 (m), 401 cm⁻¹

^{*}This is an example of first authornote.

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(m); UV-vis (n-hexane): λ_{max} (ε) = 320 (5000), 270 nm (12000); EIMS m/z (%): 108 (20) [M⁺], 107 (60) [M⁺ – H], 91 (100) [C₇H₇⁺]; HRMS (ESI) m/z: [M + H]⁺ calcd for C₂₁H₃₈N₄O₆S, 475.2591; found, 475.2593. Anal. calcd for C₄₅H₂₈N₄O₇: C 62.47, H 3.41, N 6.78; found: C 62.27, H 3.46, N 6.80.

Numbered lists may also be included and should look like this:

- 1. This is an example of numbered listing.
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This is an example of single line numbered equation.

$$\frac{d[F_1]}{d\omega_2} = SAm_2\cos\omega, \frac{d[F_1]}{d\omega_3} = SAm_2\cos\omega. \tag{1}$$

This is an example of a multiline numbered equation.

$$p_{t_{10,1}} = \left(\frac{N_{cu}^2}{N_c^2}\right) \left(\frac{N_{ar}^2}{N_a^2}\right) \left(\frac{N_{ar}-1}{N_{ar}}\right), \tag{2}$$

$$p_{t_{10,2}} = \left(\frac{N_{cu}^2}{N_c^2}\right) \left(\frac{N_{ar}}{N_a^2}\right). \tag{3}$$

For more on equations, please refer to the guide.

OTHER SPECIFICATIONS (FIRST LEVEL HEADING)

Figures, tables, and equations must be inserted in the text and may not be grouped at the end of the paper. Important: A miscount of figures, tables, or equations may result from revisions. Please double check the numbering of these elements before you submit your paper to your proceedings editor.

Figures (Second Level Heading)

If you need to arrange a number of figures, a good tip is to place them in a table, which gives you additional control of the layout. Leave a line space between your figure and any text above it, like this one:



FIGURE 1. To format a figure caption use the LaTeX template style: Figure Caption. The text "FIGURE 1," which labels the caption, should be bold and in upper case. If figures have more than one part, each part should be labeled (a), (b), etc. Using a table, as in the above example, helps you control the layout.



FIGURE 2. To format a figure caption use the E/TEXtemplate style: Figure Caption. The text "FIGURE 2," which labels the caption, should be bold and in upper case. If figures have more than one part, each part should be labeled (a), (b), etc. Using a table, as in the above example, helps you control the layout.

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Tables (Second Level Heading)

Due to the wide range and complexity of tables, we simply offer an example for guidance. Please follow the style for Table 1 (and figure) captions.

TABLE 1. To format a table caption, use the LaTeXtemplate style: Table Caption. The text "**TABLE 1**," which labels the caption, should be bold and all letters capitalized. Center this text above the table. Tables should have top and bottom rules, and a rule separating the column heads from the rest of the table only.

	Single outlet	Small multiple*	Large multiple	Total
1982	98	129	620	847
1987	138	176	1000	1314
1991	173	248	1230	1651
1998	200	300	1500^{\dagger}	2000

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ACKNOWLEDGMENTS

The reference section will follow the "Acknowledgment" section. References should be numbered using Arabic numerals followed by a period (.) as shown below, and should follow the format in the below examples.

REFERENCES

- [1] M. P. Brown and K. Austin, *The New Physique* (Publisher Name, Publisher City, 2005), pp. 25–30.
- [2] M. P. Brown and K. Austin, Appl. Phys. Letters **85**, 2503–2504 (2004).
- [3] R. T. Wang, "Title of chapter," in *Classic Physiques*, edited by R. B. Hamil (Publisher Name, Publisher City, 1999), pp. 212–213.
- [4] C. D. Smith and E. F. Jones, "Load-cycling in cubic press," in *Shock Compression of Condensed Matter-2001*, AIP Conference Proceedings 620, edited by M. D. Furnish (American Institute of Physics, Melville, NY, 2002), pp. 651–654.
- [5] B. R. Jackson and T. Pitman, U.S. Patent No. 6,345,224 (8 July 2004).
- [6] D. L. Davids, "Recovery effects in binary aluminum alloys," Ph.D. thesis, Harvard University 1998.
- [7] R. C. Mikkelson, (private communication).