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Introduction

The topic should be described here. Citations to the relevant prior literature are appropriate,1 whether they are citations concerning the chemistry described or the techniques employed in the study.2 Please use the style given here for in-text citations and formatting for references in the Reference Section. Commonly accepted abbreviations should be employed. Examples of abbreviation formats include: 1000-4000 ppm, 2 – 5 wt% Pd / Al2O3, 50 m2/g, TOF = 4.26x104 h-1, 1640 cm-1, 225°C, 20% conv., LHSV = 0.2 h-1 (i.e. 0.2 cc/cc cat/h).3,4 All text should be in font Calibri, size 8 pt with full justification.4

Throughout the abstract all acronyms should be defined once within the text. All paragraphs employ full justification. One empty line is left between paragraphs. In this template we have set editing “styles”; this style is labeled “Paragraph Abstract FCCat2025”. Other styles are: “Title Abstract FCCat2025”, “Subtitle Abstract FCCat2025”, etc… Please use these styles to ensure uniformity for final publication. The document has margins as follows: 2.5 cm Top, 2.5 cm Bottom, 2.5 cm Left, 2.5 cm Right.

Materials and Methods

Brief descriptions of chemicals and equipment should be supplied, along with descriptions of experimental procedures, analytical tools and methods of data analysis. For studies that are exclusively theoretical or computational, descriptions of relevant software packages, basis sets, data analysis tools, etc… should be supplied.

Results and Discussion

Brief descriptions of key results should be supplied along with discussion of relevant conclusions. When utilizing figures and data tables, the items should remain within the boundaries of one column of text. Font sizes less than 8 are prohibited. Figures and tables should be numbered sequentially with captions given below figures. Text within the figure should not be sized less than 8pt font. It is best to utilize conventional formats for artwork (\*.tif, \*.jpeg, \*.gif etc and Microsoft Office-compatible software) but authors are advised that determining the compatibility of artwork with Adobe Acrobat to create a \*.pdf file is their responsibility.

Table 1. Textural properties of mesoporous materials

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sample** | **SBET / m².g-1** | **DBdB / nm** | **Vp / mL.g-1** | **Si/Al** |
| 2.5 MCM-41 | 965 | 2.5 | 0.73 | - |
| 3.7 Al-MCM-41 | 981 | 3.7 | 0.96 | 400 ± 20 |

After presentation of data, one would normally describe it and its relevance to the problem under study.



Figure 1. Conversion vs. time for four catalysts tested in the isomerization of chemical XYZ (triangle) Catalyst A, (diamond) catalyst B, (circle) catalyst C, (square) Catalyst D.

Significance

Authors should *briefly* highlight industrial and/or fundamental significance of the work.

References

1. J. Martin, *ChemCatChem.* **2022**, *16*, 253
2. J. Dupont, R. Dupond, *Angew. Chem. Int. Ed.* **2015**, *23*, 30000

*Note the formatting for journal article references.*

1. F. Dubois in Comprehensive Organic Chemistry, Vol. 5 (Eds.:J. Dupont, J. Dupond), VCH, Weinheim, 1983, pp. 372–425.

*Note the formatting for excerpts from books.*

1. F. Dubois (Company), WO2018100000, **2018**

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*Note that only references that have been published in the open literature or are in press should be included in the References section. Use journal title abbreviations commonly employed by the Chemical Abstract Service.*