Polymers for Extreme Temperature Applications

Trevor Swan

Department of Macromolecular Science and Engineering
Case Western Reserve University
Cleveland, OH 44016-7079

1 Abstract

Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consectetuer id, vulputate a, magna. Donec vehicula augue eu neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Mauris ut leo. Cras viverra metus rhoncus sem. Nulla et lectus vestibulum urna fringilla ultrices. Phasellus eu tellus sit amet tortor gravida placerat. Integer sapien est, iaculis in, pretium quis, viverra ac, nunc. Praesent eget sem vel leo ultrices bibendum. Aenean faucibus. Morbi dolor nulla, malesuada eu, pulvinar at, mollis ac, nulla. Curabitur auctor semper nulla. Donec varius orci eget risus. Duis nibh mi, congue eu, accumsan eleifend, sagittis quis, diam. Duis eget orci sit amet orci dignissim rutrum.

2 Introduction

Citation examples for LaTeX, which I will be using to write and format this paper, compilation. I believe I am using the Chicago reference style, which is close to the style of ACS.

[2] [1] [4] [3] [5]

I am using BibTex to compile my refs.bib document for this paper, please let me know if my citations are done incorrectly so I can change them sooner rather than later.

3 Results and Discussion

Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consectetuer id, vulputate a, magna. Donec vehicula augue eu neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Mauris ut leo. Cras viverra metus rhoncus sem. Nulla et lectus vestibulum urna fringilla ultrices. Phasellus eu tellus sit amet tortor gravida placerat. Integer sapien est, iaculis in, pretium quis, viverra ac, nunc. Praesent eget sem vel leo ultrices bibendum. Aenean

faucibus. Morbi dolor nulla, malesuada eu, pulvinar at, mollis ac, nulla. Curabitur auctor semper nulla. Donec varius orci eget risus. Duis nibh mi, congue eu, accumsan eleifend, sagittis quis, diam. Duis eget orci sit amet orci dignissim rutrum.

4 Conclusions

Lorem ipsum dolor sit amet, consectetuer adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consectetuer id, vulputate a, magna. Donec vehicula augue eu neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Mauris ut leo. Cras viverra metus rhoncus sem. Nulla et lectus vestibulum urna fringilla ultrices. Phasellus eu tellus sit amet tortor gravida placerat. Integer sapien est, iaculis in, pretium quis, viverra ac, nunc. Praesent eget sem vel leo ultrices bibendum. Aenean faucibus. Morbi dolor nulla, malesuada eu, pulvinar at, mollis ac, nulla. Curabitur auctor semper nulla. Donec varius orci eget risus. Duis nibh mi, congue eu, accumsan eleifend, sagittis quis, diam. Duis eget orci sit amet orci dignissim rutrum.

References

- [1] Kian Bashandeh, Vasilis Tsigkis, Pixiang Lan, and Andreas A. Polycarpou. Extreme environment tribological study of advanced bearing polymers for space applications. *Tribology International*, 153:106634, 2021.
- [2] Rohit Batra, Hanjun Dai, Tran Doan Huan, Lihua Chen, Chiho Kim, Will R. Gutekunst, Le Song, and Rampi Ramprasad. Polymers for extreme conditions designed using syntaxdirected variational autoencoders. *Chemistry of Materials*, 32(24):10489–10500, 2020.
- [3] R.J. Jiménez Riobóo, A. De Andrés, A. Kubacka, M. Fernández-García, M.L. Cerrada, C. Serrano, and M. Fernández-García. Influence of nanoparticles on elastic and optical properties of a polymeric matrix: Hypersonic studies on ethylene—vinyl alcohol copolymer—titania nanocomposites. *European Polymer Journal*, 46(3):397–403, 2010.
- [4] Kreisler S.Y. Lau. 10 high-performance polyimides and high temperature resistant polymers. In Hanna Dodiuk and Sidney H. Goodman, editors, *Handbook of Thermoset Plastics (Third Edition)*, pages 297–424. William Andrew Publishing, Boston, third edition edition, 2014.
- [5] Tong Li, Zebei Mao, Juan Du, and Zhuoyu Song. Structure and nanomechanics of pptacnt composite fiber: A molecular dynamics study. *Nanomaterials*, 12(18), 2022.