

# MICHAEL C. BOWMAN

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1846 Main Street

Euler Science Complex, EU-336

## EDUCATION

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**University of Georgia**

Ph.D. Chemistry

2020

**Huntington University**

B.S. Chemistry and Mathematics

2017

## TEACHING EXPERIENCE

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**Taylor University**

Assistant Professor, Department of Chemistry and Biochemistry

2020 - present

- Chemistry for Living (Lecture)
- Forensic Science (Lecture)
- College Chemistry I/II (Lab and Lecture)
- Physical Chemistry I/II (Lab and Lecture)

## GRANTS, CONTRACTS, AND FUNDING

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- Faculty Mentored Undergraduate Scholarship (FMUS, Taylor University, 2023)

## PUBLICATIONS

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*“Energetics and kinetics of various cyano radical hydrogen abstractions.”* Burke, A. D., **Bowman, M. C.**, Turney, J. M., Schaefer, H. F., [Phys. Chem. Chem. Phys. 2021, 23](#)

*“Conclusive determination of ethynyl radical hydrogen abstraction energetics and kinetics.”* **Bowman, M. C.**, Burke, A. D., Turney, J. M., Schaefer III, H. F., [Mol. Phys. 2020, 118](#)

*“Dibridged, Monobridged, Vinylidene-Like, and Linear Structures for the Alkaline Earth Dihydrides  $Be_2H_2$ ,  $Mg_2H_2$ ,  $Ca_2H_2$ ,  $Sr_2H_2$ , and  $Ba_2H_2$ .”* Narendrapurapu, B.S., **Bowman, M.C.**, Xie, Y., Schaefer III, H.F., Tkachenko, N.V., Boldyrev, A.I. Li, G., [Inorg. Chem. 2020, 59](#)

*“A Remarkable Case of Basis Set Dependence: the False Convergence Patterns of the Methyl Anion”* **Bowman, M. C.**; Zhang, B.; Morgan, W. J.; Schaefer, H. F., [Mol. Phys. 2019, 117, 1069-1077](#)

*“Convergent Energies and Anharmonic Vibrational Spectra of  $Ca_2H_2$  and  $Ca_2H_4$  Constitutional Isomers”* **Bowman, M. C.**; Doublerly, G. E.; Schaefer, H. F., [Phys. Chem. Chem. Phys. 2019, 21, 10914-10922](#)

*“Mechanisms of the Ethynyl Radical Reaction with Molecular Oxygen”* **Bowman, M. C.**; Burke, A. D.; Turney, J. M.; Schaefer, H. F., [J. Phys. Chem. A 2018, 122, 9498-9511](#)