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официальный оппонент по диссертации Борщевой Е.В.

1. Wang, J., Nikolayev, A. A., Zhang, C., Marks, J. H., Azyazov, V. N., Eckhardt, A. K., Mebel, A. M., & Kaiser, R. I. Synthesis of interstellar propen-2-ol ($\text{CH}_3\text{C}(\text{OH})\text{CH}_2$) - the simplest enol tautomer of a ketone, *Physical Chemistry Chemical Physics (Incorporating Faraday Transactions)*, 25, 17460 (2023).
2. Wang, J., Marks, J. H., Tuli, L. B., Mebel, A. M., Azyazov, V. N., & Kaiser, R. I. Formation of Thioformic Acid (HCOSH)—The Simplest Thioacid—in Interstellar Ice Analogues, *Journal of Physical Chemistry A*, 126, 9699 (2022).
3. Kaiser, R. I., Zhao, L., Lu, W., Ahmed, M., Evseev, M. M., Azyazov, V. N., Mebel, A. M., Mohamed, R. K., Fischer, F. R., & Li, X. Gas-phase synthesis of racemic helicenes and their potential role in the enantiomeric enrichment of sugars and amino acids in meteorites, *Physical Chemistry Chemical Physics (Incorporating Faraday Transactions)*, 24, 25077 (2022).
4. Krasnoukhov, V. S., Pivovarov, P. S., Zagidullin, M. V., Azyazov, V. N., Mebel, A. M., & Morozov, A. N. Formation of Two-ring Polycyclic Aromatic Hydrocarbons via the Recombination of Benzyl and Propargyl Radicals under the Circumstellar Envelopes Conditions of Asymptotic Giant Branch Stars, *Astronomy Reports*, 66, 811 (2022).
5. He, C., Doddipatla, S., Yang, Z., Goettl, S. J., Kaiser, R. I., Azyazov, V. N., Mebel, A. M., & Millar, T. J. Gas-phase Synthesis of Silaformaldehyde (H_2SiO) and Hydroxysilylene (HSiOH) in Outflows of Oxygen-rich Asymptotic Giant Branch Stars, *Astrophys. J. Lett.*, 921, L7 (2021).
6. Yang, Z., Doddipatla, S., Kaiser, R. I., Nikolayev, A. A., Azyazov, V. N., & Mebel, A. M. On the Synthesis of the Astronomically Elusive 1-Ethynyl-3-Silacyclopropenylidene ($\text{c-SiC}_4\text{H}_2$) Molecule in Circumstellar Envelopes of Carbon-rich Asymptotic Giant Branch Stars and Its Potential Role in the Formation of the Silicon Tetracarbide Chain (SiC_4), *Astrophys. J. Lett.*, 908, L40 (2021).
7. Zhao, L., Kaiser, R. I., Xu, B., Ablikim, U., Ahmed, M., Evseev, M. M., Bashkirev, E. K., Azyazov, V. N., & Mebel, A. M. Low-temperature formation of polycyclic aromatic hydrocarbons in Titan's atmosphere, *Nature Astronomy*, 2, 973 (2018).