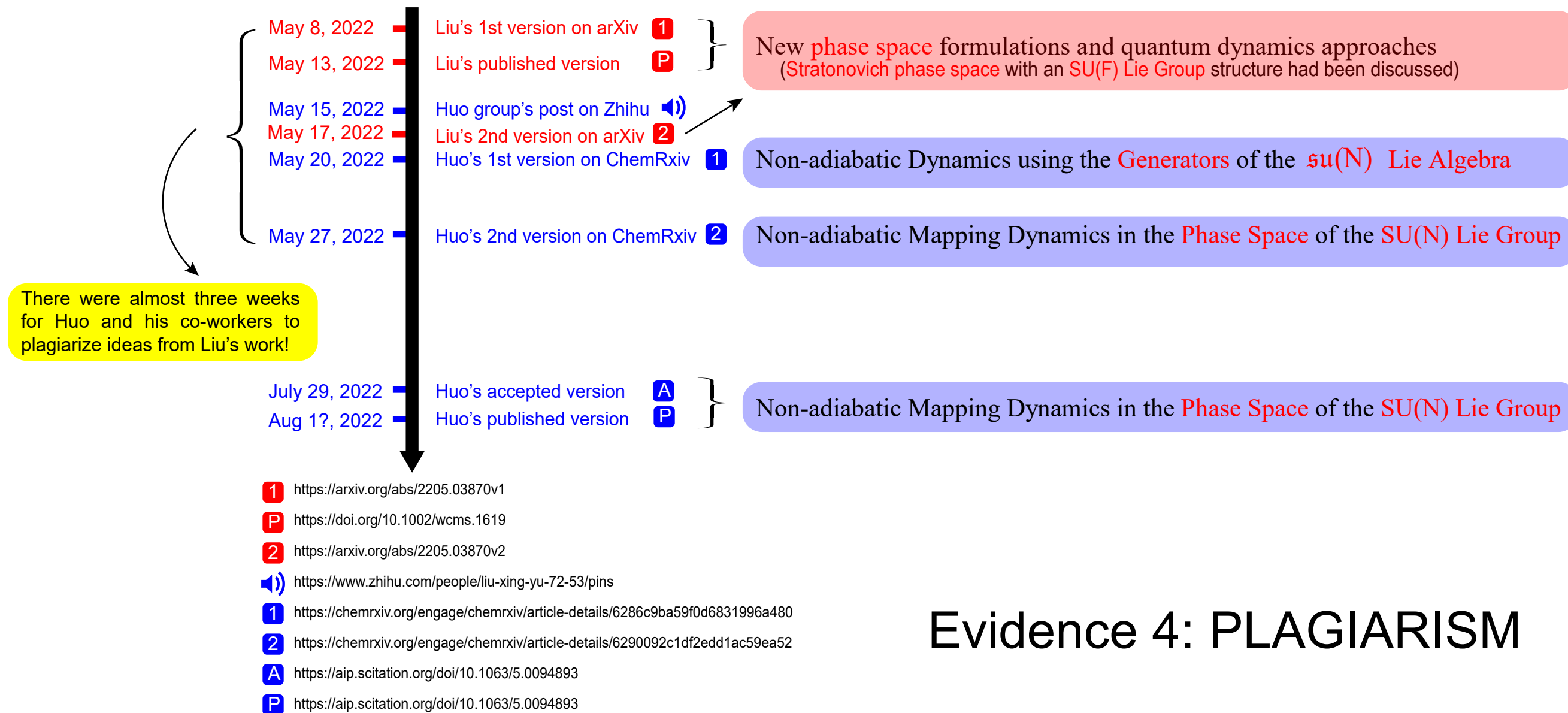


Timeline of Events

Title



Evidence 4: PLAGIARISM

Evidence #4:

Huo and his coworkers changed the title from

“Non-adiabatic Dynamics using the Generators of the $\mathfrak{su}(N)$ Lie Algebra” (Version 1, first released online to ChemRxiv on **May 20, 2022**)

to

“Non-adiabatic Mapping Dynamics in the Phase Space of the $SU(N)$ Lie Group” (Version 2, first released online to ChemRxiv on **May 27, 2022**; and Version 3, accepted on **July 29, 2022**):

“

The screenshot shows the ChemRxiv page for the article "Non-adiabatic Dynamics using the Generators of the $\mathfrak{su}(N)$ Lie Algebra". The page header includes the ChemRxiv logo and navigation links. A banner at the top reads "Theoretical and Computational Chemistry". Below the title, a message states: "This is not the most recent version. There is a [newer version](#) of this content available". The authors listed are Duncan Bossion, Sutirtha Chowdhury, and Pengfei Huo, all from the University of Rochester. A "WORKING PAPER" label is present. On the right, there is a "DOWNLOAD" button and a "Version History" section showing "May 27, 2022 Version 2" and "May 20, 2022 Version 1", with the latter highlighted by a red box.

”

“

The screenshot shows the ChemRxiv page for the article "Non-adiabatic Mapping Dynamics in the **Phase Space** of the **$SU(N)$ Lie Group**". The page header is similar to the previous one. The title has "Phase Space" and " $SU(N)$ " highlighted with red boxes. The authors listed are Duncan Bossion, Wenxiang Ying, Sutirtha Chowdhury, and Pengfei Huo, all from the University of Rochester. A "WORKING PAPER" label is present. On the right, there is a "DOWNLOAD" button and a "Version History" section showing "May 27, 2022 Version 2" and "May 20, 2022 Version 1", with the former highlighted by a red box.

”

“

The screenshot shows the AIP The Journal of Chemical Physics page for the article "Non-adiabatic Mapping Dynamics in the **Phase Space** of the **$SU(N)$ Lie Group**". The page header includes the AIP logo and navigation links. A banner at the top reads "Theoretical and Computational Chemistry". Below the title, the authors listed are Duncan Lancelot Bossion, Wenxiang Ying, Sutirtha Chowdhury, and Pengfei Huo. A "WORKING PAPER" label is present. On the right, there is a "DOWNLOAD" button and a "Version History" section showing "May 27, 2022 Version 2" and "May 20, 2022 Version 1", with the former highlighted by a red box. The page also includes a "Full" status and a submission date of 06 April 2022. The article is accepted for publication and has undergone full peer review but has not been through the copyediting, proofreading, and production process, which may lead to differences between this version and the Version of Record. The article is published in J. Chem. Phys. (in press) (2022); <https://doi.org/10.1063/5.0094893>.

”

For comparison, the title of our *Wiley Interdiscip. Rev. Comput. Mol. Sci.* e1619 (2022) [submitted on **February 5, 2022**, released on **arXiv on May 8, 2022** and officially published on **May 13, 2022**] was

“New phase space formulations and quantum dynamics approaches”

One main theme of our paper had been focused on mapping dynamics for nonadiabatic systems, where the Stratonovich phase space with an SU(2) or SU(F) structure had been discussed.

“



The screenshot shows the Wiley article page for the paper "New phase space formulations and quantum dynamics approaches". The title "phase space" is highlighted with a green box. The page includes the WIREs logo, authors (Xin He, Baihua Wu, Youhao Shang, Bingqi Li, Xiangsong Cheng, Jian Liu), publication date (13 May 2022), DOI (https://doi.org/10.1002/wcms.1619), and funding information. At the bottom, there are links for PDF, TOOLS, and SHARE.



Advertisement

”

The properties of phase spaces had been well discussed in Appendix 3 of our *Wiley Interdiscip. Rev. Comput. Mol. Sci.* e1619 (2022) [submitted on **February 5, 2022**, released on **arXiv on May 8, 2022** and officially published on **May 13, 2022**], using the language of Lie groups. In comparison, the “phase space” and “Lie group” were abruptly added in the title of Version 2 of Huo and his coworkers (first released online to ChemRxiv on **May 27, 2022**), while totally missing in their Version 1 (first released online to ChemRxiv on **May 20, 2022**).