

Tony Z. Jia

Specially-Appointed Associate Professor

Earth-Life Science Institute, Tokyo Institute of Technology

Researcher Profile: <https://researchmap.jp/tzjia/?lang=en>

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Education History

8/2010-11/2016 **Harvard University:** Ph.D. in Chemistry '16; A.M. in Chemistry '12

9/2006-6/2010 **California Institute of Technology:** B.S. (*w/honors*) in Chemistry and Business, Economics, and Management '10

Professional Research Experience

7/2022-present **Earth-Life Science Institute, Tokyo Institute of Technology** – Specially Appointed Associate Professor

4/2022-present **Blue Marble Space Institute of Science** – Research Investigator

6/2019-6/2022 **Earth-Life Science Institute, Tokyo Institute of Technology** – Specially Appointed Assistant Professor

5/2019-4/2022 **Blue Marble Space Institute of Science** –Affiliated Researcher

6/2021-12/2021 **New York Institute of Technology** – Scientific Consultant

1/2017-5/2019 **Earth-Life Science Institute, Tokyo Institute of Technology** – Research Scientist

Selected Peer-Reviewed Publications (†equal contribution; *corresponding author)

1. Chen Chen*, et al. (incl. **Tony Z. Jia***). *Small Methods*, 2300119 (2023).
2. **Tony Z. Jia***, et al. *Emerging Topics in Life Sciences*, **6**(6), 557–569 (2022).
3. Rehana Afrin, et al. (incl. **Tony Z. Jia***). *Macromolecular Chemistry and Physics*, 202200235 (2022).
4. **Tony Z. Jia***, et al. *BBA Advances*, **2**, 100049 (2022).
5. Mahendran Sithamparam, Nirmell Satthiyasilan, Chen Chen, **Tony Z. Jia***, Kuhan Chandru*. *Biopolymers*, **113**, e23486 (2022).
6. **Tony Z. Jia***, et al. *Biomacromolecules*, **22**(4), 1484-1493 (2021).
7. **Tony Z. Jia***†, Tommaso P. Fraccia*†. *Crystals*, **10**(11), 964 (2020).
8. Tommaso P. Fraccia†, **Tony Z. Jia***†. *ACS Nano*, **14**(11), 15071-15082 (2020).
9. Kuhan Chandru*, Irena Mamajanov, H. James Cleaves II, **Tony Z. Jia***. *Life*, **10**(1), 6 (2020).
10. **Tony Z. Jia***†, et al. *Proc. Natl. Acad. Sci. USA*, **116**(32), 15830-15835 (2019).
11. **Tony Z. Jia**, et al. *Orig. Life Evol. Biosph.*, **44**(1), 1-12 (2014).
12. Katsuyuki Shiroguchi, **Tony Z. Jia**, et al. *Proc. Natl. Acad. Sci. USA*, **109**(4) 1347-1352 (2012).

Selected Patents

1. X. Sunney Xie, Katsuyuki Shiroguchi, Peter A. Sims, **Tony Z. Jia**. USA patent 11,629,379. Filed 4/13/2022. Granted 4/18/2023.
2. X. Sunney Xie, Katsuyuki Shiroguchi, Peter A. Sims, **Tony Z. Jia**. USA Patent 10,287,630. Filed 10/11/2017. Granted 5/14/2019.
3. X. Sunney Xie, Katsuyuki Shiroguchi, Peter A. Sims, **Tony Z. Jia**. USA Patent 9,260,753. Filed 3/22/2012. Granted 2/16/2016.

Selected Research Grants

- 2023-2025 Mizuho Foundation for the Promotion of Sciences Research Grant
- 2021-2024 JSPS Grant-in-Aid 21K14746
- 2018-2022 JSPS Grant-in-Aid 18K14354
- 2021-2022 Tokyo Institute of Technology Yoshinori Ohsumi Fund for Fundamental Research
- 2020-2021 JSPS Bilateral JSPS/CAS Seminar Grant JPJSBP220207201
- 2020-2021 Japan Astrobiology Center Grant AB021008
- 2019-2020 Japan Astrobiology Center Grant AB311021
- 2017-2018 Tokyo Institute of Technology Seed Grant “Tane” for Challenging Research 1798

Selected Invited and Keynote Presentations and Seminars

- 21 Sep 2023 The Geochemical Society of Japan Annual Meeting.
- 28 Sep 2022 Biophysical Society of Japan Meeting Young Invited Speaker Conference.
- 25 Nov 2021 Biophysical Society of Japan Annual Meeting.
- 20 Oct 2021 International Society for the Study of the Origin of Life Meeting.
- 24 Sep 2021 Japan Society for Biological Sciences in Space Annual Meeting.
- 6 Apr 2021 Phase Separated Systems in the Nucleus Meeting.
- 3 Dec 2020 Molecular Biology Society of Japan Annual Meeting (Phase Separation Wonderland Symposium).
- 16 July 2020 Japan Geophysical Union Annual Meeting.
- 20 Jan 2020 Gordon Research Conference: Origins of Life.
- 18 Oct 2018 Japan Society of Cell Synthesis Research Annual Meeting.

Selected Awards and Honors

- 2022 Japan Society for Biological Sciences in Space 36th Annual Meeting Best Presentation Award
- 2022 Biophysical Society of Japan Early Career Presentation Award
- 2022 Tokyo Institute of Technology Seiichi Tejima Fujino-Nakamura Young Researcher Award
- 2021 ELSI Director’s Achievement Award
- 2020 ELSI Director’s Achievement Award
- 2019 ELSI Director’s Achievement Award
- 2010 Harvard University Fieser Graduate Research Award
- 2009 American Chemical Society – 2009 Undergraduate Award in Analytical Chemistry