March, 2020

CURRICULUM VITAE

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CURRENT POSITION

Assistant Professor, Department of Environmental Science, Toho University, Chiba, Japan

EDUCATIONAL BACKGROUND

Ph.D.	Department of Earth and Planetary Science, University of Tokyo, Tokyo, Japan	2009－12
M.S.	Department of Earth and Planetary Science, University of Tokyo, Tokyo, Japan	2007－09
B.S.	Department of Physics, Tokyo Metropolitan University, Tokyo, Japan	2003－07

DEGREES RECEIVED

Ph.D.	(Earth Planetary Science)	University of Tokyo, Tokyo, Japan	2012
M.S.	(Earth Planetary Science)	University of Tokyo, Tokyo, Japan	2009
B.S.	(Physics)	Tokyo Metropolitan University, Tokyo, Japan	2007

POSTDOCTORAL TRAINING

NASA Postdoctoral Program Fellow (NASA Astrobiology Institute, Alternative Earths Team), School of Earth and Atmospheric Sciences, Georgia Institute of Technology, Atlanta, GA, USA (Dr. C.T. Reinhard)	2016－18
Atmosphere and Ocean Research Institute, University of Tokyo, Chiba, Japan (Professor Y. Yokoyama)	2012－16

FACULTY ACADEMIC APPOINTMENTS

Assistant Professor	Toho University, Department of Environmental Science, Chiba, Japan	2018－

OTHER PROFESSIONAL POSITIONS

Research Assistant	University of Tokyo GCOE: From the Earth to “Earths”	2010
Teaching Assistant	FORTRAN programming, University of Tokyo	2007－09

ACADEMIC HONORS AND AWARDS

Young Scientist Award, Palao[10]: Paleosciences Society	2019
Young Scientist Award, The Geochemical Society of Japan	2019
NASA Postdoctoral Program Fellowship	2016－18
JpGU meeting Session convener-recommended articles, Japan Geoscience Union	2015
Student Outstanding Presentation Award, The Geochemical Society of Japan	2011
Student Outstanding Presentation Award, The Geochemical Society of Japan	2010

LIST OF PUBLICATIONS

PEER-REVIEWED JOURNAL PAPERS

1. Planavsky, N. J., Reinhard, C. T., Isson, T. T., Ozaki, K., Crockford, P. W.

   Large mass-independent oxygen isotope fractionations in mid-Proterozoic sediments: Strong evidence for a low-oxygen atmosphere

   Astrobiology (In press)

2. *Ozaki, K., Thompson, K., Simister, R. L., Crowe, S. A., Reinhard, C. T.

   Anoxygenic photosynthesis and the delayed oxygenation of Earth's atmosphere

   Nature Communications, 10:3026, 2019. doi.org/10.1038/s41467-019-10872-z

   [press release@Toho] [press release@GT]

3. Schwieterman, E. W., Reinhard, C. T., Olson, S. L., Ozaki, K., Harman, C. E., Hong, P. K., Lyons, T. W.

   Rethinking CO "Anti-Biosignatures" in the search for life beyond Earth

   The Astrophysical Journal, 874:9, 2019. doi.org/10.3847/1538-4357/ab05e1

4. *Ozaki, K., Reinhard, C. T., and Tajika, E.

   A sluggish mid-Proterozoic biosphere and its effect on Earth's redox balance

   Geobiology, 17, 3–11, 2019. doi.org/10.1111/gbi.12317

   [press-release@Toho] [press-release@GT]

5. *Ozaki, K., Tajika, E., Hong, P.K., Nakagawa, Y., Reinhard, C.T.

   Effects of primitive photosynthesis on Earth's early climate system

   Nature Geoscience, 11, 55–59, 2018. doi.org/10.1038/s41561-017-0031-2

   [press-release@UT] [press-release@GT]

6. Ikeda, M., Tada, R., Ozaki, K.

   Astronomical pacing of the global silica cycle recorded in Mesozoic bedded cherts

   Nature communications, 8: 15532, 2017. doi: 10.1038/ncomms15532

   [press-release@ShizuokaUniv.]

7. Reinhard, C.T., Planavsky, N.J., Gill, B.C., Ozaki, K., Robbins, L.J., Lyons, T.W., Fischer, W.W., Wang, C., Cole, D.B., Konhauser, K.O.

   Evolution of the global phosphorus cycle

   Nature, 541, 386–389, 2017. doi.org/10.1038/nature20772

   [press-release@GT]

8. Lenton, T.M., Dahl, T.W., Daines, S.J., Mills, B.J.W., Ozaki, K., Saltzman, M.R., Porada, P.

   Earliest land plants created modern levels of atmospheric oxygen

Proceedings of the National Academy of Sciences, 113, 9704–9709, 2016. doi.org/10.1073/pnas.1604787113 [press-release@Exeter]

9. Lee, Cin-Ty A., Yeung, L.Y., McKenzie, N.R., Yokoyama, Y., Ozaki, K., Lenardic, A. Two-step rise of atmospheric oxygen linked to the growth of continents ***Nature Geoscience***, 9: 417–424, 2016. doi.org/10.1038/ngeo2707 [press-release@UT]
10. *Ozaki, K., Tajika, E. Biogeochemical effects of atmospheric oxygen concentration, phosphorus weathering, and sea-level stand on oceanic redox chemistry: Implications for greenhouse climates ***Earth and Planetary Science Letters***, 373, 129–139, 2013. doi.org/10.1016/j.epsl.2013.04.029
11. Kashiyama, Y., Ozaki, K., and Tajika, E. Impact of the evolution of carbonate ballasts on marine biogeochemistry in the Mesozoic and associated changes in energy delivery to subsurface waters ***Paleontological Research***, 15, 89–99,2011. doi.org/10.2517/1342-8144-15.2.089
12. *Ozaki, K., Tajima, S., Tajika, E. Conditions required for oceanic anoxia/euxinia: Constraints from a one-dimensional ocean biogeochemical cycle model ***Earth and Planetary Science Letters***, 304, 270–279, 2011. doi.org/10.1016/j.epsl.2011.02.011

ACQUIRED EXTERNAL RESEARCH GRANTS, FELLOWSHIPS, AND FUNDS

2018－2020	**Grant-in-Aid for Fostering Joint International Research (B), Japan Society for the Promotion of Science (JSPS) Project (Co-PI)** Allocated direct cost: ¥ 4,000,000 (Total budget: ¥15,860,000) Project title: Earth system variations and its impacts on the ecosystem during the Mesozoic deciphered from the super-continent and super-oceans.
2018－2019	**Grant for Basic Science Research Projects from the Sumitomo Foundation** (PI) Total budget: ¥ 1,500,000 Project title: Theoretical study on the Archean climate stability based on the coupled H-Fe-C biogeochemical cycles
2018－2019	**Grant-in-Aid for Research Activity start-up, Japan Society for the Promotion of Science (JSPS) Project** (PI) Direct cost: ¥ 2,990,000 Project title: Proterozoic atmospheric chemistry constrained by the Earth system model
2016－2018	**NASA Postdoctoral Program, Universities Space Research Association (USRA)** (PI) Total budget: $ 122,124 Project title: New quantitative approaches toward understanding the life history of an inhabited planet
2013－2016	**Grant-in-Aid for Young Scientists (B), Japan Society for the Promotion of Science (JSPS) Project** (PI) Total budget: ¥ 4,290,000 Project title: Theoretical study on the oceanic-atmospheric chemistry and its stability during the mid-Proterozoic
2012	**TORII Endo Grant, The Geochemical Society of Japan** Total budget: ¥ 100,000
2011－2012	**Sasakawa Scientific Research Grant, The Japan Science Society** (PI) Total budget: ¥ 560,000 Project title: Development of an ocean biogeochemical model and its application to the Oceanic Anoxic Events
2010	**Research Assistant, University of Tokyo GCOE: From the Earth to "Earths"** Project title: Modeling study on the biogeochemical conditions for the Oceanic Anoxic Events

ACADEMIC ACTIVITIES

ACADEMIC HONORS AND AWARDS

Young Scientist Award, Palao[10]: Paleosciences Society	2019
Young Scientist Award, The Geochemical Society of Japan	2019
NASA Postdoctoral Program Fellowship	2016－18
JpGU meeting Session convener-recommended articles, Japan Geoscience Union	2015
Student Outstanding Presentation Award, The Geochemical Society of Japan	2011
Student Outstanding Presentation Award, The Geochemical Society of Japan	2010

COMMITTEE SERVICE

Dynamics and Stability of Earth's Oxygenated Biosphere, Goldschmidt Conference, California, Co-Convener	2014

PROFESSIONAL SOCIETIES

Geobiology Society	Member	2017－
Paleo[10]: Paleosciences Society	Member	2012－
European Geosciences Union	Member	2011－
The Geochemical Society of Japan	Member	2010－
American Geophysical Union	Member	2008－
The Geological Society of Japan	Member	2008－
Japan Geosciences Union	Member	2007－

EDITORIAL ACTIVITIES

Ad hoc Reviewer

Nature, Nature Geoscience, Earth and Planetary Science Letters, Geology, Paleoceanography and Paleoclimatology, Proceedings of the Japan Academy, Ser. B.

INVITED TALKS AT ACADEMIC CONFERENCE/WORKSHOP

1. *Ozaki, K.
   The history of Earth's biospheric productivity: a biogeochemical modeling perspective
   JpGU-AGU Joint Meeting 2020 (Chiba, May 2020) **[Scheduled]**
2. *Ozaki, K.
   Global biospheric productivity through Earth history and its limiting factors

The Annual Meeting of the Geochemical Society of Japan (Tokyo, September 2019)

3. *Ozaki, K.
   Phosphorus biogeochemical cycle and the evolution of ocean-atmosphere system
   The 1st Workshop for Phosphorus and the Origin of Life (Tokyo, September 2019)
4. Cole, D., Ozaki, K., Planavsky, N., Reinhard, C. T.
   Intermediate atmospheric oxygen levels, ocean ventilation, and global biospheric productivity
   Goldschmidt Conference (Barcelona, Spain, August 2019)
5. *Ozaki, K.
   Microbial biosphere and oceanic-atmospheric chemistry through Archean-Phanerozoic
   The Annual Meeting of the Palaeontological Society of Japan (Shizuoka, June 2019)
6. *Ozaki, K.
   The coupled evolution of life and atmosphere
   The 2nd Geobiology Society Conference (Banff, Canada, June 2019)
7. Watanabe, Y., Tajika, E., Ozaki, K., and Hong, P. K.
   Behaviors of carbon cycle system and inevitability of the hot climate in the Archean Earth
   Japan Geoscience Union Meeting 2019 (Chiba, May 2019)
8. *Ozaki, K.
   Limited biological productivity in the Archean ocean and its biogeochemical implications
   Japan Geoscience Union Meeting 2019 (Chiba, May 2019)
9. *Ozaki, K.
   The co-evolution of atmosphere and biosphere
   The 1st International Workshop for Aqua Planetology (ELSI, Tokyo, March 2019)
10. *Ozaki, K.
    Effects of primitive biosphere and reductant supply from the mantle on the Earth's early climate
    Japan Geoscience Union Meeting 2018 (Chiba, May 2018)
11. Ikeda, M., Ozaki, K., and Tada, R.
    Astronomically paced changes in continental weathering rates recorded in the Meosozoic bedded chert
    Japan Geoscience Union Meeting 2018 (Chiba, May 2018)
12. *Ozaki, K., Tajika, E.
    Stability and Dynamics of Proterozoic Oceanic Euxinia
    Goldschmidt Conference (Yokohama, Japan, June 2016)
13. Reinhard, C., Crowe, S., Ozaki, K., Thompson, K.J.
    An ecophysiological throttle on planetary oxygenation during the Archean
    Goldschmidt Conference (Yokohama, Japan, June 2016)
14. *Ozaki, K., Tajika, E.
    Climatic, tectonic, and biological factors affecting the oxidation state of the atmosphere and oceans: implications for Phanerozoic O_2 evolution
    The Annual Meeting of the American Geophysical Union (San Francisco, USA, December 2015)

15. *Ozaki, K.

Biogeochemical cycles and the redox stability of the ocean-atmosphere system

The Annual Meeting of the Paleosciences Society (Tokyo, Japan, November 2015)

AWARD LECTURE

1. *Ozaki, K.

Theoretical study on the biogeochemical evolution of Earth's surface environments

The Annual Meeting of the Geochemical Society of Japan (Tokyo, September 2019)

OTHER PRESENTATIONS AT ACADEMIC CONFERENCE

International conferences

1. Cole, D. B., Ozaki, K., and Reinhard C. T.

Biogeochemically feasible levels of nutrient availability, biospheric productivity, and atmospheric oxygen

Goldschmidt (Hawaii, USA, June 2020) **[Scheduled]**

2. *Ozaki, K. and Miura, Y.

Sulfur cycle dynamics during the Great Oxidation Event

Goldschmidt (Hawaii, USA, June 2020) **[Scheduled]**

3. Watanabe, Y., Tajika, E., Ozaki, K., and Hong, P. K.

Potential positive feedback mechanisms in an anoxic environmental system of a planet with CO_2-CH_4 atmosphere

JpGU-AGU Joint Meeting 2020 (Chiba, May 2020) **[Scheduled]**

4. Watanabe, Y., Tajika, E., Ozaki, K., and Hong, P. K.

Effect of hydrocarbon haze on climate stability under weakly oxidized late Archean environment

JpGU-AGU Joint Meeting 2020 (Chiba, May 2020) **[Scheduled]**

5. Miki, A., Tajika, E., Ozaki, K.

Modelling the behaviors of marine carbon isotopic composition after Neoproterozoic snowball Earth event

JpGU-AGU Joint Meeting 2020 (Chiba, May 2020) **[Scheduled]**

6. Aoyama, K., Tajika, E., Ozaki, K.

Variations of burial rates of organic carbon in terrestrial and marine environments during the Phanerozoic

JpGU-AGU Joint Meeting 2020 (Chiba, May 2020) **[Scheduled]**

7. *Ozaki, K. and Reinhard, C. T.

The future lifespan of Earth's oxygenated biosphere and its controlling factors

JpGU-AGU Joint Meeting 2020 (Chiba, May 2020) **[Scheduled]**

8. Watanabe, Y., Tajika, E., Ozaki, K., and Hong, P. K.

Global carbon cycle and climate stability in the Archean: Haze-free warm condition in the anoxic Earth system

American Geophysical Union (San Francisco, USA, December 2019)

9. *Ozaki, K. and Reinhard, C. T.
   Limited biological productivity in the Archean anoxic ocean
   Goldschmidt Conference (Barcelona, Spain, August 2019)
10. Planavsky, N., Reinhard, C. T., Isson, T., Ozaki, K., and Crockford, P.
   Low Mid-Proterozoic atmospheric oxygen levels?
   Goldschmidt Conference (Barcelona, Spain, August 2019)
11. Watanabe, Y., Tajika, E., Ozaki, K., and Hong, P. K.
   Global carbon cycle and climate stability in the early Earth system
   AbSciCon (Seattle, Washington, June 2019)
12. *Ozaki, K. and Reinhard, C. T.
   The future life span of oxygen-based biosignature on Earth
   The Annual Meeting of the European Geosciences Union (Wien, Austria, April 2019)
13. *Ozaki, K., Tajika, E., Hong, P.K., Nakagawa, Y., Reinhard, C.T.
   Climatic consequences of methane boosting by photoferrotrophs in the Archean atmosphere
   Goldschmidt Conference (Paris, France, August 2017)
14. *Ozaki, K., Tajika, E., Hong, P.K., Reinhard, C.T.
   Primitive photosynthesis and Earth's early climate
   The 1st Geobiology Society Conference (Banff, Canada, June 2017)
15. *Ozaki, K., Tajika, E., Reinhard, C.T.
   Limited O_2 production in the Mid-Proterozoic oceans
   AbSciCon (Mesa, USA, April 2017)
16. Ikeda, M., Ozaki, K., Tada, R.
   Global silica cycle paced by astronomical cycles recorded in the Mesozoic bedded chert: Implications for early Mesozoic extinctions
   The Annual Meeting of the American Geophysical Union (San Francisco, USA, December 2016)
17. Takahashi, S., Gordon, G., Ozaki, K., Yamasaki, S., Kumura, K., Anbar, A., Tada, R.
   Variations of U and Mo isotopes across the deep sea Permian-Triassic boundary
   Goldschmidt Conference (Yokohama, Japan, June 2016)
18. *Ozaki, K., Tajika, E.
   Towards a quantitative understanding of the mid-Proterozoic redox state of the atmosphere and oceans
   Goldschmidt Conference *(Prague, Czech Republic, August 2015)*
19. *Ozaki, K., Tajika, E.
   Widespread euxinia in the aftermath of the Lomagundi event: insights from a modeling study of ocean biogeochemical dynamics
   The Annual Meeting of the European Geosciences Union (Vienna, Austria, April 2015)
20. Harada, M., Ozaki, K., Tajika, E., Sekine, Y.
   Overshoot of atmospheric oxygen caused by the Paleoproterozoic snowball glaciation: constraining its magnitude and duration from biogeochemical cycle modeling

The Annual Meeting of the American Geophysical Union (San Francisco, USA, December 2014)

21. Kuroyanagi, A., Ozaki, K., Kawahata, H.
    Effect of Cretaceous oceanic anoxic events on the evolutionary trend of planktonic foraminifera
    The Annual Meeting of the American Geophysical Union (San Francisco, USA, December 2014)
22. Harada, M., Ozaki, K., Tajika, E., Sekine, Y.
    Modeling dynamics of the rise of oxygen during Paleoproterozoic: deep water oxygenation and sulfate accumulation in the post-snowball ocean
    The Annual Meeting of the Geophysical Society of America (Vancouver, Canada, October 2014)
23. *Ozaki, K.
    Modeling oxygenation of an ocean-atmosphere system during the Late Ordovician-Devonian
    The Annual Meeting of the American Geophysical Union (San Francisco, USA, December 2013)
24. Harada, M., Tajika, E., Sekine, Y., Ozaki, K.
    Numerical study of mechanisms and timescales of oxygenation and interpretation of geological records in the snowball Earth aftermath
    The Annual Meeting of the Geological Society of America (Denver, USA, October 2013)
25. *Ozaki, K., Tajika, E.
    Conditions for Proterozoic anoxic and non-sulfidic ocean: Constraints from ocean biogeochemical cycle model
    Goldschmidt Conference (Florence, Italy, August 2013)
26. Harada, M., Tajika, E., Sekine, Y., Ozaki, K.
    Rise of oxygen induced by Paleoproterozoic snowball glaciation: Insights from biogeochemical cycle modeling
    The Annual Meeting of the American Geophysical Union (San Francisco, USA, December 2012)
27. *Ozaki, K., Tajika, E.
    Modeling the Redox Chemistry of Mid-Proterozoic Atmosphere-Ocean System
    The Annual Meeting of the Geological Society of America (Charlotte, USA, October 2012)
28. *Ozaki, K., Tajika, E.
    Modeling ocean acidification and de-oxygenation: Testing the linkage between large igneous province and Ocean Anoxic Event
    Goldschmidt Conference (Montreal, Canada, June 2012)
29. *Ozaki, K., Tajika, E.
    Modeling oceanic anoxia/euxinia induced by massive CO_2 injection
    Goldschmidt Conference (Prague, Czech Republic, August 2011)
30. *Ozaki, K., Tajika, E.
    Modeling oceanic redox conditions during the Phanerozoic: Constraints from a one-dimensional ocean biogeochemical cycle model
    The Annual Meeting of the European Geosciences Union (Vienna, Austria, April 2011)
31. *Ozaki, K., Tajika, E.

Conditions for global ocean anoxia obtained from a one-dimensional ocean biogeochemical cycle model
The Annual Meeting of the American Geophysical Union (San Francisco, USA, December 2008)

Domestic conferences

1. Miura, Y. and Ozaki, K.
   Can snowball Earth hypothesis explain the Great Oxidation Event? : An examination based on the sulfur cycle dynamics
   The Annual Meeting of the Paleosciences Society (Tsukuba, November 2019)
2. Watanabe, Y., Tajika, E., and Ozaki, K.
   Roles of the rise in the atmospheric oxygen level in the climate stability during the Archean
   The Annual Meeting of the Paleosciences Society (Tsukuba, November 2019)
3. Haga, M., Tajika, E., and Ozaki, K.
   Marine biogeochemical cycle and response of marine ecosystem during the Cretaceous oceanic anoxic events
   The Annual Meeting of the Paleosciences Society (Tsukuba, November 2019)**【Student Outstanding Presentation Award】**
4. Aoyama, K., Tajika, E., and Ozaki, K.
   Organic carbon burial on land and ocean during the Phanerozoic
   The Annual Meeting of the Paleosciences Society (Tsukuba, November 2019)
5. Miki, A., Tajika, E., and Ozaki, K.
   Modeling the behaviors of marine carbon isotope after Proterozoic snowball Earth
   The Annual Meeting of the Paleosciences Society (Tsukuba, November 2019)**【Student Outstanding Presentation Award】**
6. *Ozaki, K.
   Atmospheric composition during the mid-Proterozoic constrained by a global redox budget model
   The Annual Meeting of the Paleosciences Society (Tsukuba, November 2019)
7. Haga, M., Tajika, E., and Ozaki, K.
   Marine biogeochemical cycle and responses of marine ecosystem in the ocean anoxic events during Cretaceous
   The Annual Meeting of the Geological Society of Japan (Yamaguchi, September 2019)
8. Miura, Y. and Ozaki, K.
   Sulfur cycle dynamics during the Great Oxidation Event
   The Annual Meeting of the Geological Society of Japan (Yamaguchi, September 2019)
9. Watanabe, Y., Tajika, E., Ozaki, K., and Hong, P. K.
   Global carbon cycle and climate stability in the Archean implied from a coupled model of the atmospheric photochemical system and anoxygenic microbial ecosystem
   The 66th Annual Meeting of the Geochemical Society of Japan (Tokyo, September 2019)

10. Haga, M., Tajika, E., and Ozaki, K.

    Marine biogeochemical cycles of nutrients and primary producers in the ocean anoxic events during Cretaceous

    The 66th Annual Meeting of the Geochemical Society of Japan (Tokyo, September 2019)

11. Miki, A., Tajika, E., and Ozaki, K.

    Modelling the behaviors of marine carbon isotope after Paleoproterozoic snowball Earth

    The Annual Meeting of the Geochemical Society of Japan (Tokyo, September 2019)

12. Watanabe, Y., Tajika, E., Ozaki, K., and Hong, P. K.

    Effects of the formation of hydrocarbon aerosols on the climate stability of Earth-like planets and their habitability

    Japan Geoscience Union Meeting 2019 (Chiba, May 2019)

13. Haga, M., Tajika, E., and Ozaki, K.

    Response of primary producers in the ocean anoxic events during the Cretaceous

    Japan Geoscience Union Meeting 2019 (Chiba, May 2019)

14. Miura, Y., and Ozaki, K.

    Biogeochemical dynamics during the Great Oxidation Event constrained by a biogeochemical model

    Japan Geoscience Union Meeting 2019 (Chiba, May 2019)

15. Watanabe, Y., Tajika, E., Ozaki, K., and Hong, P. K.

    Roles of the coupled system of atmospheric photochemistry and marine microbial ecosystem in the carbon cycle during the Archean

    The Annual Meeting of the Paleosciences Society (Sendai, November 2018)

16. *Ozaki, K., Tajika, E., and Reinhard, C. T.

    A sluggish mid-Proterozoic biosphere and its effect on Earth’s redox balanc

    The Annual Meeting of the Paleosciences Society (Sendai, November 2018)

17. *Ozaki, K. and Reinhard, C. T.

    The lifespan of Earth’s oxygenated biosphere

    The Annual Meeting of the Geochemical Society of Japan (Okinawa, September 2018)

18. *Ozaki, K.

    Effects of primitive biosphere and reductant supply from the mantle on the Earth's early climate

    Japan Geoscience Union Meeting 2018 (Chiba, May 2018)

19. Tajika, E., Ozaki, K., Kobayashi, T.

    Behaviors of marine primary producers during ocean anoxic events

    Japan Geoscience Union Meeting 2017 (Chiba, May 2017)

20. Takahashi, S., Gordon, G., Tada, R., Ozaki, K., Yamazaki, S., Kimura, K., and Anbar, A.
    U and Mo isotopes variations across the deep sea Permian-Triassic boundary
    The Annual Meeting of the Paleosciences Society (Tokyo, November 2016)
21. *Ozaki, K., and Tajika, E.
    Limited oxygen generation during the mid-Proterozoic
    The Annual Meeting of the Paleosciences Society (Tokyo, November 2016)
22. Tajika, E., Ozaki, K., and Oide, K.
    Biogeochemical cycles and conditions for photic zone euxinia in the ocean
    Japan Geoscience Union Meeting 2016 (Chiba, May 2016)
23. Nakagawa, Y., Hong, P.K., Ozaki, K., and Tajika, E.
    Constraints on the surface environments and the ocean biological activities in the Archean
    Japan Geoscience Union Meeting 2016 (Chiba, May 2016)
24. *Ozaki, K. and Tajika, E.
    中原生代海洋の遊離酸素生成率とその律速因子
    The Annual Meeting of the Paleosciences Society (Tokyo, November 2015)
25. *Ozaki, K., Hirase, S., Kusama, Y., Iwasaki, W., Yokoyama, Y., Kawahata, H., Tada, R., and Yamamoto, M.**【JpGU meeting Session convener-recommended articles】**
    Development and application of Japan Sea Paleoenvironmental Database (JSPED)
    Japan Geoscience Union Meeting 2015 (Chiba, May 2015)
26. *Ozaki, K. and Tajika, E.
    Dynamics of Proterozoic oceanic euxinia and its impact on the biosphere
    Japan Geoscience Union Meeting 2015 (Chiba, May 2015)
27. *Ozaki, K.
    生物ポンプの確立と大気海洋の酸化還元状態：物質循環モデルに基づく考察
    東京大学 大気海洋研究所 共同利用研究集会「海洋生態系モデリングの最前線：成果、連携、次世代への展開」(Chiba, March 2015）
28. Takahashi, S., Yamaguchi, A., Yamakita, S., Mizutani, A., Ishida, U., Yamamoto, S., Ikeda, M., Ozaki, K., Tada, R.
    Sedimentation rate of the end Permian to earliest Triassic black claystone strata in the Panthalassic deep sea
    古海洋シンポジウム (Chiba, January 2015)
29. Mizutani, A., Takahashi, S., Ishida, U., Tada, R., Yamamoto, S., Ikeda, M., and Ozaki, K.
    Reconstruction of Permian Triassic ocean redox conditions based on laminae preservation and pyrite framboids from the pelagic Panthalassic Ocean

古海洋シンポジウム (Chiba, January 2015)

30. Harada, M., Ozaki, K., Tajika, E., and Sekine, Y.
    Oxygen transition with an overshoot after the Paleoproterozoic snowball Earth: quantification from biogeochemical cycle modeling
    The Annual Meeting of the Geochemical Society of Japan (Toyama, September 2014)
31. *Ozaki, K. and Tajika, E.
    Euxinia overshoot in the aftermath of Lomagundi-Jatuli event
    The Annual Meeting of the Geological Society of Japan (Kagoshima, September, 2014)
32. Tajika, E., Harada, M., Ozaki, K., and Sekine, Y.
    地球環境変動に伴う元素の生物地球化学循環変動：全球凍結とマンガン鉱床形成
    The Annual Meeting of the Geological Society of Japan (Kagoshima, September, 2014)
33. Oide, K., Ozaki, K., and Tajika, E.
    Conditions for photic zone euxinia deduced from ocean biogeochemical cycle model
    Japan Geoscience Union Meeting 2014 (Chiba, May 2014)
34. *Ozaki, K.
    Mechanisms regulating the redox state of an atmosphere ocean system during the Paleozoic
    Japan Geoscience Union Meeting 2014 (Chiba, May 2014)
35. Takahashi, S., Yamagushi, A., Yamakita, S., Mizutani, A., Ishida, U., Yamamoto, S., Ikeda, M., Ozaki, K., Tada, R.
    Sedimentation rate of the end Permian to earliest Triassic black claystone strata in the Panthalassic deep sea
    Japan Geoscience Union Meeting 2014 (Chiba, May 2014)
36. *Ozaki, K., Yokoyama, Y., and Tajika, E.
    Conditions to produce climatic thermal maximum during the Cenomanian and Eocene
    The Annual Meeting of the Geological Society of Japan (Sendai, September, 2013)
37. Mizutani, A., Takahashi, S., Ishida, U., Tada, R., Yamamoto, S., Ikeda, M., Ozaki, K.
    Reconstruction of Permian Triassic ocean redox conditions based on laminae preservation and pyrite framboids from the pelagic Panthalassic Ocean
    The Annual Meeting of the Geological Society of Japan (Sendai, September, 2013)
38. *Ozaki, K., Tajika, E.
    Conditions required for Proterozoic oceanic chemistry: Constrains from an ocean biogeochemical cycle model
    Japan Geoscience Union Meeting 2013 (Chiba, May 2013)
39. Morimi, T., Tajika, E., Ozaki, K.

Reconstruction of atmospheric CO_2 and O_2 concentrations during the last 100 million years based on a model

Japan Geoscience Union Meeting 2013 (Chiba, May 2013)

40. Harada, M., Tajika, E., Sekine, Y., and Ozaki, K.

Modeling the rise of oxygen in the Snowball earth aftermath: implications for the Paleoproterozoic manganese and iron formation

Japan Geoscience Union Meeting 2013 (Chiba, May 2013)

41. *Ozaki, K. and Tajika, E.

原生代海洋化学環境と物質循環のモデリング

古海洋シンポジウム (Chiba, January 2013)

42. *Ozaki, K.

原生代大気海洋の酸化還元状態と生物地球化学循環のモデリング

地球環境史学会発足シンポジウム (Chiba, November 2012)

43. *Ozaki, K. and Tajika, E.

大気への急激な CO_2 流入現象が引き起こす気候及び海洋環境変化のモデリング

古海洋シンポジウム (Chiba, January 2012)

44. *Ozaki, K. and Tajika, E.【**Student Outstanding Presentation Award**】

Oceanic acidification and de-oxygenation induced by rapid CO_2 injection

The Annual Meeting of the Geochemical Society of Japan (Hokkaido, September 2011)

45. *Ozaki, K. and Tajika, E.

Modeling biogeochemical cycles and climate during oceanic anoxic events

Japan Geoscience Union Meeting 2011 (Chiba, May 2011)

46. *Ozaki, K. and Tajika, E.

顕生代を通した海洋の酸化還元状態：海洋物質循環モデルからの制約

古海洋シンポジウム (Tokyo, January 2011)

47. *Ozaki, K. and Tajika, E.

数値モデルを用いた海洋無酸素事変における表層環境の変動復元

The Annual Meeting of the Geological Society of Japan (Toyama, September, 2010)

48. *Ozaki, K. and Tajika, E.【**Student Outstanding Presentation Award**】

Intensified nutrient input and coastal anoxia as a trigger for global anoxia

The Annual Meeting of the Geochemical Society of Japan (Saitama, September 2010)

49. *Ozaki, K. and Tajika, E.

生物地球化学循環モデルを用いた海洋無酸素イベント時の物質循環についての考察

古海洋シンポジウム (Tokyo, January 2010)

50. *Ozaki, K. and Tajika, E.
    Photic Zone Anoxia/Euxinia and Marine Biogheochemical Cycles Deduced from a One Dimensional Marine Biogeochemical Cycle Model
    Japan Geoscience Union Meeting 2009 (Chiba, May 2009)
51. *Ozaki, K. and Tajika, E.
    Conditions for Global Oceanic Anoxia/Euxinia Obtained from a one dimensional Marine Biogeochemical Cycle Model
    Japan Geoscience Union Meeting 2009 (Chiba, May 2009)
52. Takahashi, T., Ozaki, K., and Tajika, E.
    Development of a coupled C-S-P cycle model and reconstruction of the variations in atmosphere ocean system over the Phanerozoic
    Japan Geoscience Union Meeting 2009 (Chiba, May 2009)
53. Endo, K., Ozaki, K., and Tajika, E.
    Recovery of the ocean environment in the aftermath of the K/T boundary event deduced from a marine carbon cycle model
    Japan Geoscience Union Meeting 2009 (Chiba, May 2009)
54. *Ozaki, K. and Tajika, E.
    鉛直一次元海洋生物化学循環モデルを用いた海洋無酸素イベント時の海洋環境復元
    古海洋シンポジウム (Tokyo, January 2009)
55. *Ozaki, K. and Tajika, E.
    Occurrence conditions of Ocean Anoxic Events with one dimensional biogeochemical cycle model
    The Annual Meeting of the Geological Society of Japan (Akita, September, 2008)
56. *Ozaki, K. and Tajika, E.
    Theoretical constraints on ocean anoxic events and photic zone anoxia
    Japan Geoscience Union Meeting 2008 (Chiba, May 2008)
57. *Ozaki, K., Tajima, S., and Tajika, E.
    海洋物質循環モデルの開発と海洋無酸素イベントの発生条件
    古海洋シンポジウム (Chiba, January 2008)

OUTREACH ACTIVITIES

1. *Ozaki, K. “地球のしくみ” Cafe 自愉時間 (Chiba, October 2018)
2. *Ozaki, K. “生物地球化学の視点で気候を考える” Kappy salon (Oiso, May 2012)

3. *Ozaki, K. “地球温暖化と海洋の貧酸素化及び海洋無酸素イベント” (Tokai University, October 2010)
4. *Ozaki, K. “地球表層環境と生命の共進化：酸素濃度からみる過去と未来” Kappy salon (Oiso, April 2009)