



Tatsuya Kameyama

Associate Professor

Department of Chemistry and Materials, Faculty of Textile Science and Technology, Shinshu University

3-15-1 Tokida, Ueda, Nagano 386-8567, Japan

E-mail: kame@shinshu-u.ac.jp

Webpage: <https://sites.google.com/view/kamelabo/home>

Education:

2011, Ph.D. (Engineering), Nagoya University, Japan

Experience:

Apr 2025–Present: Associate Professor, Shinshu University, Faculty of Textile Science and Technology, Department of Chemistry and Materials

Jun 2021–Mar 2025: Associate Professor, Graduate School of Engineering, Nagoya University, Department of Materials Chemistry

Oct 2012–Mar 2021: Assistant Professor, Graduate School of Engineering, Nagoya University, Department of Crystalline Materials Science

Apr 2011–Sep 2012: Senior Staff, JX Nippon Mining & Metals Corporation

Honors & Awards:

May 2023: Future Award, The Institute of Image Information and Television Engineers (ITE)

Mar 2022: Nagai Foundation for Science & Technology Award (Academic Award)

Mar 2018: Electrochemical Society of Japan Progress Award (Sano Award)

Mar 2015: 11th Honda–Fujishima Award, Photoelectrochemistry Division, Electrochemical Society of Japan

Research Areas:

Photoelectrochemistry, Nanomaterials science

Selected Publications:

1. T. Kameyama, S. Isogawa, K. Akiyoshi, H. Kashida, H. Asanuma, T. Torimoto: *Photosensitization of TiO_2 Electrodes Immobilized with Chiral Plasmonic Au Nanocolloids by Circularly Polarized Light Irradiation*, *J. Chem. Phys.*, vol. 160, pp. 094709, 2024.
2. T. Kameyama K. Sato, T. Yamamoto, M. Tamura, T. Iida, T. Shoji, Y. Tsuboi, T. Torimoto: *Promoting Oxygen Reduction Reaction by Excitation of Localized Surface Plasmon of Shape- and Facet-Controlled Octahedral Au@Pt Core-Shell Nanocrystals*, *ChemElectroChem*, vol. 10, pp. e202300182, 2023.
3. T. Kameyama, S. Koyama, T. Yamamoto, S. Kuwabata, T. Torimoto: *Enhanced Photocatalytic Activity of Zn-Ag-In-S Semiconductor Nanocrystals with a Dumbbell-shaped Heterostructure*, *J. Phys. Chem. C*, vol. 122, pp. 13705-13715, 2018.
4. T. Kameyama, T. Takahashi, T. Machida, Y. Kamiya, T. Yamamoto, S. Kuwabata, T. Torimoto: *Controlling the Electronic Energy Structure of ZnS-AgInS_2 Solid Solution Nanocrystals for Photoluminescence and Photocatalytic Hydrogen Evolution*, *J. Phys. Chem. C*, vol. 119, pp. 24740-24749, 2015.