



Akihiko Kudo

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Education:

1983/3 Tokyo University of Science (Bachelor)

1988/3 Tokyo Institute of Technology (Doctor of Science)

Experience:

1988/4-1989/10 Postdoctoral fellow, University of Texas at Austin

1989/11-1995/3 Research associate, Tokyo Institute of Technology

1995/4-1998/3 Lecturer, Faculty of Science, Tokyo University of Science

1998/4-2003/3 Associate Professor, Faculty of Science, Tokyo University of Science

2003/4-2026/3 Professor, Faculty of Science, Tokyo University of Science

2022/1-present Leader, Carbon Value Research Center, Tokyo University of Science

2026/4-present Professor, Research Institute for Science and Technology, Tokyo University of Science

Honors & Awards:

- 1) The Japanese Photochemical Association Award in 2009
- 2) The 10th Green and Sustainable Chemistry Award from the Ministry of Environment in 2011
- 3) Catalysis Society of Japan Award (academic field) in 2017
- 4) Award for Academic Achievements in Ceramic Science and Technology in 2017
- 5) Award of Minister of Education, Culture, Sports, Science and Technology in 2020
- 6) The Chemical Society of Japan (CSJ) Award in 2024
- 7) The Electrochemical Society of Japan (ESJ) Award in 2025
- 8) Tokyo Ohka Foundation for The Promotion of Science and Technology, Mukai Award 2025

Research Areas:

Artificial Photosynthesis, Photocatalyst, Water Splitting, CO₂ Utilization

Selected Publications:

1. A. Kudo, "Development of Photocatalysts for Artificial Photosynthesis Aiming at Carbon Neutrality", *Electrochemistry*, **2025**, 93(10), 101001.
2. K. Kaiya, Y. Ueki, H. Kawamoto, K. Watanabe, S. Yoshino, Y. Yamaguchi, A. Kudo, "Water splitting over transition metal-doped SrTiO₃ photocatalysts with response to visible light up to 660 nm", *Chem. Sci.*, **2024**, 15, 16025-16033.
3. S. Yoshino, T. Takayama, Y. Yamaguchi, A. Iwase, A. Kudo, "CO₂ Reduction Using Water as an Electron Donor over Heterogeneous Photocatalysts Aiming at Artificial Photosynthesis", *Acc. Chem. Res.*, **2022**, 55, 966-977.