

CURRICULUM VITAE

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Employment Record

- 2019- Associate Professor (6 yrs), Toyohashi University of Technology, Department of Electrical and Electronic Information Engineering
- 2017-2019* Visiting Scientist (2.5 yrs*), University of Erlangen-Nuremberg (FAU, Germany), Department of Materials Science and Technology (Prof. Aldo R. Boccaccini)
- 2013-2014* Visiting Professor (1 yr*), Duke University (USA), Department of Chemistry (Dr. Benjamin J. Wiley)
- 2010-2019 Assistant Professor (9 yrs), Toyohashi University of Technology, Department of Electrical and Electronic Information Engineering (Prof. A. Matsuda)
- 2009-2010 Assistant Professor (1yr), Toyohashi University of Technology, Department of Materials Science (Prof. A. Matsuda)

*Concurrent post

Education Background

- 2006-2009 Ph.D. (3 yrs), Nagoya Institute of Technology, Materials Science and Engineering (Prof. M. Nogami) "*Morphology- and Assembly-Controlled Gold Nanoparticles and Their Optoelectronic Properties*"
- 2005-2006* Exchange student (1 yr*), Ecole Nationale Supérieure de Céramique Industrielle (ENSCI, France, Prof. R. Guinebretiere) "*Fabrication of Photonic Crystal Fiber by Sol-Gel Method*"
- 2004-2006 M.S. (2 yrs), Nagoya Institute of Technology, Materials Science and Engineering (Prof. M. Nogami) "*Synthesis of High-Concentration-Europium-Doped Glasses for Their Optical Applications (in Japanese)*"

2000-2004 B.S. (4 yrs), Nagoya Institute of Technology, Materials Science and Engineering (Prof. M. Nogami) “*Redox Behavior of Sm³⁺ Ions by X-ray and Femtosecond Laser Irradiation and Influence of the Glass Matrix Composition (in Japanese)*”

Awards and Prizes (16)

1. **Award of the Outstanding Papers Published in the JCSJ in 2024** (as a coauthor), The Ceramic Society of Japan, Mar. 17th, 2025
2. **Research Encouragement Award**, Japan Society for the Promotion of Science - 124 Committee, Jun. 16th, 2022
3. **Wakashachi Prize for Encouragement**, Aichi Prefecture, Jan. 20th, 2020.
4. **JSPM Award for Distinguished Service**, Japan Society of Powder and Powder Metallurgy, May. 31st, 2017
5. **Award of the Outstanding Reviews Published in the JCSJ in 2015**, The Ceramic Society of Japan, Mar. 23rd, 2016
6. **CerSJ Award for Advancements in Ceramic Science and Technology**, The Ceramic Society of Japan, Nov. 30th, 2015
7. **Dr. Donald Ulrich Award**, International Sol-Gel Society, Sep. 10th, 2015
8. **Best Poster Award**, 5th International Conference on Recent Advances in Materials, Minerals & Environment (RAMM), Local Organizing Committee of the RAMM & Universiti Sains Malaysia, Aug. 6th, 2015
9. **Best Poster Award**, 12th Japanese Sol-Gel Society Symposium, The Japanese Sol-Gel Society, Aug. 8th, 2014.
10. **Prize for Encouragement of International Exchange**, The Ceramic Society of Japan, Jun. 7th, 2013.
11. **Excellent Poster Award**, 8th Asian Meeting on Electroceramics (AMEC-8), Local Organizing Committee of the AMEC-8 & Universiti Sains Malaysia, Jul. 3rd, 2012.
12. **Poster Presentation Award**, The 50th Anniversary Symposium on Basic Science of Ceramics, The Ceramic Society of Japan, Jan. 13th, 2012.
13. **Good Poster Presentation Award**, Annual Meeting of The Ceramic Society of Japan 2010, The Ceramic Society of Japan, Jun. 4th, 2010.
14. **Good Presentation Award**, World Young Fellow Meeting 2010, The Ceramic Society of Japan, Mar. 1st, 2010.
15. **Wakashachi Prize for Encouragement**, Aichi Prefecture, Feb. 16th, 2009.
16. **CSJ Student Presentation Award 2008**, The Chemical Society of Japan, May 8th, 2008.

Grants (36)

1. **Research Grant**, The Iwatani Naoji Foundation, 2 million yen, Apr 2026.
2. **Grant-in-Aid for Challenging Research (Exploratory) 25K22154**, Japan Society for the Promotion of Science (JSPS), 6.5 million yen, Jun 2025 – Mar 2028.
3. **Research Grant**, The Asahi Glass Foundation, 3 million yen, Jun 2025.
4. **Research Grant**, The NAGAI Foundation for Science & Technology, 0.5 million yen, Apr 2024.
5. **Research Grant**, Sumitomo Electric Group CSR Foundation, 1.5 million yen, Nov 2023.
6. **Grant-in-Aid for Scientific Research (B) 23H01684**, Japan Society for the Promotion of Science (JSPS), 18.46 million yen, Apr 2023 – Mar 2027.
7. **Research Grant**, Yashima Environment Technology Foundation, 1 million yen, Apr. 2023.
8. **Research Grant**, ENEOS Tonengeneral Research/Development Encouragement & Scholarship Foundation, 1 million yen, Apr. 2022.
9. **Research Grant**, Casio Science Promotion Foundation, 1 million yen, Dec. 2021.
10. **Grant-in-Aid for Challenging Research (Exploratory) 21K18823**, Japan Society for the Promotion of Science (JSPS), 6.5 million yen, Jul 2021 – Mar 2024.
11. **Research Grant**, The Hattori Hokokai Foundation, 1 million yen, Oct. 2020.
12. **Research Grant**, The Naito Foundation, 1 million yen, Apr. 2020.
13. **Research Grant**, Takahashi Industrial and Economic Research Foundation, 2 million yen, Apr. 2020 – Mar. 2022.
14. **Research Grant**, Foundation of Special Interest, Tatematsu Foundation, 3 million yen, Aug. 2019 – Jul. 2022.
15. **Grant for Travel Expense**, Tokuyama Science Foundation, 0.2 million yen, Aug. 2019.
16. **Grant-in-Aid for Scientific Research (C) 18K04701**, Japan Society for the Promotion of Science (JSPS), 4.4 million yen, Apr 2018 – Mar 2021.
17. **Research Grant**, IKETANI Science and Technology Foundation, 1 million yen, Apr. 2018.
18. **Grant for Travel Expense**, The NAGAI Foundation for Science & Technology, 0.3 million yen, Jun. 2017.
19. **Research Activation Grant**, Toyohashi University of Technology, 0.6 million yen, Jun. 2017 – Mar. 2018.
20. **Grant for Travel Expense**, Toyoaki Scholarship Foundation, 2000 USD, Oct. 2016.
21. **Research Grant**, The Nitto Foundation, 1 million yen, Oct. 2016 – Sep. 2017.
22. **Research Grant**, The Mazda Foundation, 1 million yen, Oct. 2016 – Mar. 2018.
23. **Research Grant**, Foundation of Public Interest, Tatematsu Foundation, 1 million yen, Aug. 2014 – Mar. 2015.
24. **Research Grant**, Nippon Sheet Glass Foundation for Materials Science and Engineering, 1 million yen, May 2014 – Mar. 2015.
25. **Research Grant**, The Murata Science Foundation, 1.5 million yen, Jun. 2012 – Mar. 2013.
26. **Collaboration Research Grant**, Network Joint Research Center for Advanced Materials and Devices, 0.085 million yen, Apr. 2012 – Mar. 2013.

27. **Research Grant**, Tokai Foundation for Technology, 0.6 million yen, Apr. 2012 – Mar. 2013.
28. **Research Grant**, The Ogasawara Foundation for the Promotion of Science & Engineering, 3 million yen, Jan. 2012 – Dec. 2012.
29. **Adaptable and Seamless Technology Transfer Program through Target-driven R&D**, Japan Science and Technology Agency, 1.7 million yen, Dec. 2011 – Jul. 2012.
30. **Research Activation Grant**, Toyohashi University of Technology, 1 million yen, Jun. 2011 – Mar. 2012.
31. **Research Grant**, Izumi Science and Technology Foundation, 1 million yen, Nov. 2010 – Oct. 2011.
32. **Grant for Travel Expense**, The Murata Science Foundation, 0.2 million yen, Jun. 2010.
33. **Grant-in-Aid for Young Scientists (B) 22760539**, Japan Society for the Promotion of Science (JSPS), 4 million yen, Apr 2010 – Mar 2013.
34. **Project Research Grant for Young Researcher**, Research Center for Future Technology in Toyohashi University of Technology, 2 million yen, Sep 2009 – Mar 2012.
35. **Grant-in-Aid for Young Scientists (Start-up) 21860045**, Japan Society for the Promotion of Science (JSPS), 1.4 million yen, Aug 2009 – Mar 2010.
36. **Research Activation Grant**, Toyohashi University of Technology, 1 million yen, Jun 2009 - Mar 2010.

Invited Talks (38, including 19 international conferences)

1. **Go Kawamura**, “Photoelectrodes and photocatalysts for solar hydrogen production,” JSPS R055 10th research meeting, Yokohama National University, Japan (in Japanese, 2025.12.15).
2. **Go Kawamura**, “Nanocomposite photoelectrodes and photocatalysts for solar water splitting,” Materials Science & Technology (MS&T) 2025, Columbus, OH, USA (2025.9.28-10.1).
3. **Go Kawamura**, “Novel photoelectrodes and photocatalysts development for solar hydrogen generation,” JFCA 2-days seminar, emCAMPUS and TUT, Japan (in Japanese, 2024.10.1-2).
4. **Go Kawamura**, “Fabrication of high entropy ceramics and their photocatalytic property,” 22nd international Sol-Gel conference, Berlin, Germany (2024.9.1-6).
5. **Go Kawamura**, “Metal oxide-based photocatalysts and photoelectrodes,” 5th International Conference on Materials Science & Engineering, San Francisco, CA (2024.6.10-12).
6. **Go Kawamura**, “Nanostructured metal oxide photoelectrodes for solar hydrogen production,” the 05th International Conference on Materials Science, Engineering & Technology, Singapore (2024.2.26-28).
7. **Go Kawamura**, “Development of functional photoelectrodes for photoelectrochemical water splitting,” 13th Kosen-TUT Solar Cell Joint Symposium, Gifu, Japan (in Japanese, 2023.12.23-24).
8. **Go Kawamura**, “Tutorial seminar: Sol-gel method, fundamentals and application to various functional materials syntheses,” 21th Sol-Gel Symposium, Toyohashi, Japan (in Japanese, 2023.7.13-14).
9. **Go Kawamura**, “Development of photocatalysts and photoelectrodes for solar hydrogen production,” 20th Sol-Gel Seminar, Zoom (online), (in Japanese, 2023.5.30).
10. **Go Kawamura**, “Localized surface plasmon resonance enhanced photocatalysis and photovoltaic effect,” 14th Pacific Rim Conference on Ceramic and Glass Technology (PACRIM 14), Vancouver, Canada (video)

participation) (2021.12.14).

11. **Go Kawamura**, “Development of Plasmon-Enhanced Photovoltaic Cells and Photocatalysts,” 2021 International Conference on Materials Science and Engineering, Brisbane, Australia (online participation) (2021.10.13).
12. **Go Kawamura**, “Development of energy conversion devices using localized surface plasmon resonance,” Japan Society for the Promotion of Science, section 124, the 163rd meeting, WebEx (online), (in Japanese, 2021.3.1).
13. **Go Kawamura**, “Development of various devices using surface plasmon resonance,” The Tokai Chemical Engineering seminar, Nagoya, Japan (in Japanese, 2020.11.27).
14. **Go Kawamura**, “Liquid phase fabrication of multiferroic nanocomposite films,” The 20th International Sol-Gel Conference, St. Petersburg, Russia (2019.8.25-30).
15. **Go Kawamura**, “Liquid phase preparation of multiferroic nanocomposite films and their characteristics,” 4th Thermoelectric Conversion Film and Its Fabrication Process, Nagoya, Japan (in Japanese, 2019.8.22).
16. **Go Kawamura**, “Liquid phase synthesis of multiferroic composite with nano-periodic structure and its characteristic,” 17th Sol-Gel Symposium, Tokyo, Japan (in Japanese, 2019.8.5-6).
17. **Go Kawamura**, “Multiferroic BaTiO₃-CoFe₂O₄ nanocomposite prepared via affordable liquid phase processes,” Collaborative Conference on Materials Research 2019, Gyeonggi/Goyang, Seoul, South Korea (2019.6.3-7).
18. **Go Kawamura**, “Liquid phase fabrication of BaTiO₃-CoFe₂O₄ composite with nano periodic structure,” Collaborative Conference on Materials Research 2018, Incheon/Seoul, South Korea (2018.6.25-29).
19. **Go Kawamura**, Atsunori Matsuda, Aldo R. Boccaccini, “Liquid phase preparation of BaTiO₃ nanotube arrays and their composite with CoFe₂O₄,” 7th International Congress of Ceramics, Foz do Iguacu, Brazil (2018.6.17-21).
20. **Go Kawamura**, “Recent study on dye-sensitized solar cells,” 4th EIIRIS intelligent sensor and MEMS workshop, Toyohashi, Japan (in Japanese, 2018.5.22).
21. **Go Kawamura**, “Introduction of University and Research,” *Lecture Meeting for future collaboration*, Duy Tan University, Da Nang, Viet Nam (2017,5,23-25).
22. **Go Kawamura**, “UV-Vis-NIR light-responsive high-efficient plasmonic photocatalyst composed of TiO₂ and Au nanoparticles,” *BIT's 3rd annual World Congress of Smart Materials-2017 (WCSM-2017)*, Bangkok, Thailand (2017.3.16-18)
23. **Go Kawamura**, Tomoki Arai, Teruhisa Okuno, Hiroyuki Muto, Atsunori Matsuda, “Redox site visualization in plasmonic photocatalyst composed of TiO₂ and Au nanoparticles,” *41st International Conference and Expo on Advanced Ceramics and Composite (ICACC-2017) (6th Global Young Investigator Forum)*, Daytona Beach, FL, USA (2017.1.23-27)
24. **Go Kawamura**, Hiroyuki Muto, Atsunori Matsuda, “Liquid phase syntheses and performance evaluation of plasmonic photocatalysts and electrode of dye-sensitized solar cells,” *2016 academic meeting of Tokai Branch of Ceramic Society of Japan*, Meijo University, Tempaku, Japan (in Japanese, 2016.12.10).
25. **Go Kawamura**, “Liquid phase syntheses and applications of inorganic nanostructures deposited with

- noble metal nanoparticles,” *11th Plasmonic Chemistry Society*, Tokyo Metropolitan University, Akihabara, Japan (in Japanese, 2016.11.11).
26. **Go Kawamura**, “Control of Nanostructures and Photo-Related Properties of Composites of Metal Oxide and Metal Nanoparticles,” *2016 annual meeting of Ceramic Society of Japan*, Waseda University, Nishiwaseda, Japan (in Japanese, 2016.3.14-16).
 27. **Go Kawamura**, “Mechanisms of Photocatalyses by Au Nanoparticle-Deposited Mesoporous Silica-Titania,” *2016 annual meeting of Ceramic Society of Japan, Forefront of nanomaterial science organized by hybrid material science society*, Waseda University, Nishiwaseda, Japan (in Japanese, 2016.3.14).
 28. **Go Kawamura**, “Deposition of Morphology-Controlled Noble Metal Nanoparticles Using Metal Oxide Templates with Ordered Mesopores,” *International Conference on Spectroscopy & Materials Science (ICS&M-2015)*, Duy Tan University, Da Nang, Viet Nam (2015,11,17-19).
 29. **Go Kawamura**, “Nanocomposite of Metal Nanoparticles and Metal Oxides Prepared through Liquid-Phase Synthesis,” *XVIII International Sol-Gel Conference (Sol-Gel 2015)*, Mielparque and Hotel Granvia Kyoto, Kyoto, Japan (2015.9.6-11).
 30. **Go Kawamura**, Okuno Teruhisa, Hiroyuki Muto, Atsunori Matsuda, “Photocatalytic Performance of Gold-Deposited Mesoporous Silica-Titania under UV and Visible Light Illumination,” *International Symposium for Advanced Materials Research (ISAMR2015)*, Sun Moon Lake, Taiwan (2015.8.16-20).
 31. **Go Kawamura**, Hiroyuki Muto, Atsunori Matsuda, “Noble Metal Nanoparticle-Deposited Mesoporous Oxides for Photocatalysts and Photovoltaics,” *4th International Symposium on Ceramics Nanotune Technology (ISCeNT4)*, Nagoya Institute of Technology, Nagoya, Japan (2015.3.2-4).
 32. **Go Kawamura**, Hiroyuki Muto, Atsunori Matsuda, “Ag Nanoparticle Deposition on TiO₂ Nanostructures for Efficient Photoelectric Conversion,” *The Energy, Materials, and Nanotechnology (EMN) Ceramics Meeting 2015*, Double Tree by Hilton Orlando at SeaWorld, Orlando, FL, USA (2015.1.26-29).
 33. **Go Kawamura**, “Hybrid Materials Composed of Mesoporous Oxides and Metal Nanoparticles, and the Light Energy Conversion,” *The Ceramic Society of Japan The 27th Fall Meeting*, Kagoshima University, Korimoto, Japan (in Japanese, 2014.9.9-11).
 34. **Go Kawamura**, “Deposition of Metal Nanoparticles onto Oxides with Tubular Mesopores and the Functionality of the Composite,” *2014 annual meeting of Ceramic Society of Japan, 2nd symposium on chemical field*, Keio University, Kanagawa, Japan (in Japanese, 2014.3.17-19).
 35. **Go Kawamura**, “Synthesis of Shape-Controlled Noble Metal Nanoparticles Using Soft and Hard Templates,” *2nd symposium on novel functional particles prepared using high-level accumulation technique of nanomaterials and fabrication of innovative composite materials*, Nagoya innovation hub, Aichi, Japan (in Japanese, 2012.10.19).
 36. **Go Kawamura**, “Synthesis of Metal Nanoparticles and the Composites with Amorphous Matrices,” *Summer young seminar of glass division*, Kyoto Seminar House, Kyoto, Japan (in Japanese, 2012.8.1-3).
 37. **Go Kawamura**, “Liquid Phase Synthesis of Morphology-Controlled Metal Nanoparticles and Their Assemblies,” *Lecture meeting*, University Sains Malaysia. Penang, Malaysia (2012.3.12-14).

38. **Go Kawamura**, “SPR and SERS Properties of Metal Nanoparticles Prepared by Liquid Phase Synthesis,” *Symposium on high level control of high speed nonlinear optical glasses for all-optical information transfer and processing*, Nagoya Institute of Technology, Aichi, Japan (in Japanese, 2010.10.29).

Peer-reviewed papers (202, including 32 first-author papers, *h*-index: 42 (by Google Scholar))

1. Soshi Mizuno, Rina Watanabe, Marwa Mohamed Abouelela, Irem Ozbilgin, Tohru S Suzuki, Tetsuo Uchikoshi, Wai Kian Tan, Hiroyuki Muto, Atsunori Matsuda, **Go Kawamura**, “Controlling ZnO nanopagoda structure enhances photoelectrochemical water splitting,” *Nanoscale*, (2026). **Advance Article.**
2. Jobair Al Rafi, Rajesh Kumar, Wai Kian Tan, **Go Kawamura**, Atsunori Matsuda, “BiVO₄-graphene nanocomposites: Recent progress toward photocatalytic environmental remediation of pollutants,” *Journal of Environmental Chemical Engineering*, **14**, 122107(40pp) (2026).
3. Hanzo Tsubota, Kazuki Inoue, Wai Kian Tan, Hiroyuki Muto, Atsunori Matsuda, Andrei Jitianu, **Go Kawamura**, “Soft-templated sol–gel synthesis of mesoporous perovskite-type multicomponent metal oxide (Bi_{0.2}Na_{0.2}K_{0.2}La_{0.2}Sr_{0.2})TiO₃ and its enhanced photocatalytic activity,” *ACS Omega*, **11**(2), 3635-3645 (2026).
4. Nurhaswani Alias, Navid Mirzakhani, Zuhailawati Hussain, Wai Kian Tan, **Go Kawamura**, Atsunori Matsuda, Zainovia Lockman, “Formation of titanium dioxide nanotubes on Ti–Ni alloys by anodization for Cr(VI) removal from wastewater,” *ACS Omega*, **10**(40), 47038-47050 (2025).
5. Nurhaswani Alias, Zuhailawati Hussain, Wai Kian Tan, **Go Kawamura**, Atsunori Matsuda, Zainovia Lockman, “Anodic growth of nanotubular TiO₂/Nb₂O₅ on Ti-Nb alloys for photocatalytic Cr(VI) removal,” *Advanced Powder Technology*, **36**(11), 105052(17pp) (2025).
6. Katsumi Fujishiro, Wai Kian Tan, **Go Kawamura**, Atsunori Matsuda, Hiroyuki Muto, “Influence of additive particle content and sintering temperature on the sinterability of electrostatically assembled alumina–alumina composite particles,” *Advanced Powder Technology*, **36**(9), 104982(8pp) (2025).
7. Pascal Nbelayim, **Go Kawamura**, Tan Wai Kian, Grace Ngubeni, George Hasegawa, Boateng Onwona-Agyeman, Kazuki Nakanishi, Nosipho Moloto, Pierre Kalenga Mubiayi, Atsunori Matsuda, “Preliminary studies on high potential narrow-bandgap *Parkia biglobosa* pod husk natural dye extracts for high-performance DSSCs,” *RSC Advances*, **15**(31), 25115-25131, (2025).
8. Nurhaswani Alias, Zi Wei Tan, Naveed Mirzakhani, Zuhailawati Hussain, Wai Kian Tan, **Go Kawamura**, Atsunori Matsuda, Zainovia Lockman, “Anodization of Ti-Ni alloy pellets formed by powder metallurgy,” *Journal of the Japan Society of Powder and Powder Metallurgy*, **72**, S1175-S1180 (2025).
9. Katsumi Fujishiro, **Go Kawamura**, Atsunori Matsuda, Wai Kian Tan, Hiroyuki Muto, “Electrostatically design of composite particles for efficient ceramics sintering,” *Journal of the Japan Society of Powder and Powder Metallurgy*, **72**, S1029-S1032 (2025).

10. Rajesh Kumar, Sumanta Sahoo, Mona Elfiky, Raghvendra Pandey, Ram Manohar Yadav, Wai Kian Tan, **Go Kawamura**, Atsunori Matsuda, Sally M. Youssry, "Microwave irradiation-induced palladium nanoparticle-mediated perforation and decoration of reduced graphene oxide nanosheets composite for electrode in supercapacitors," *Diamond & Related Materials*, **152**, 111924(11pp) (2025).
11. Hanzo Tsubota, Andrei Jitianu, **Go Kawamura**, "Recent advances in high-entropy oxides for photocatalytic applications," *ACS Materials Letters*, **7**, 1042-1056 (2025).
12. Md. Masum Billah, **Go Kawamura**, "Layered double hydroxide modified bismuth vanadate as an efficient photoanode for enhancing photoelectrochemical water splitting," *Materials Horizons*, **12**, 2089-2118 (2025).
13. Siti Azlina Rosli, Nurhaswani Alias, Halina Misran, Atsunori Matsuda, Wai Kian Tan, **Go Kawamura**, Khairunisak Abdul Razak, Zainovia Lockman, "Anodic porous NiO film formation for the hexavalent chromium removal under ultraviolet irradiation," *Journal of Physics: Conference Series*, **2907**, 012025(7pp) (2024).
14. Nurhaswani Alias, Siti Azlina Rosli, Zuhailawati Hussain, Wai Kian Tan, **Go Kawamura**, Atsunori Matsuda, Zainovia Lockman, "Effect of anodization parameter on the formation of anodic Nb₂O₅ in fluorinated glycerol," *Journal of Physics: Conference Series*, **2907**, 012005(8pp) (2024).
15. Kento Ishii, Yuri Taniguchi, Akira Miura, Shogo Miyoshi, Kazunori Takada, **Go Kawamura**, Hiroyuki Muto, Atsunori Matsuda, Masayoshi Fuji, Tetsuo Uchikoshi, "Surface modification of Li₃PO₄ to Li_{1.3}Al_{1.3}Ti_{1.7}(PO₄)₃ by wet chemical process and its sintering behavior," *Journal of the Ceramic Society of Japan*, **132**(6), 257-266 (2024).
16. Kento Ishii, Atsushi Yokoi, Yusuke Sato, Kazuhiro Hikima, **Go Kawamura**, Wai Kian Tan, Hiroyuki Muto, Atsunori Matsuda, Tetsuo Uchikoshi, Masayoshi Fuji, "Design of highly-sinterable LATP-CNT composite powder by sequential particle assembly for fabrication of highly electrical-conductive composite electrodes," *Advance Powder Technology*, **35**, 104430(7pp) (2024).
17. Hay Mar Aung Kyaw, Mohamad Nizam Ishak, Ahmad Fauzi Mohd Noor, **Go Kawamura**, Atsunori Matsuda, Khatijah Aisha Yaacob, "CdSe nanostructured thin film by electrophoretic deposition for quantum dots sensitized solar cell," *Nanotechnology*, **35**(23), 235402 (2024).
18. Keiichiro Maegawa, Hayata Okamoto, Kazuhiro Hikima, **Go Kawamura**, Atsushi Nagai, Atsunori Matsuda, "Bottom-up synthesis of ion-pair-bridged metal-organic framework for H⁺ conduction," *Chemical Communications*, **60**(54), 6925-6928 (2024).
19. Shiho Hamazaki, Kazuki Inoue, Atsunori Matsuda, **Go Kawamura**, "Enhanced photoelectrochemical property of TiO₂ nanotube array photoanode deposited with Al,Cr-codoped SrTiO₃ nanocubes," *ACS Omega*, **9**(2), 2795-2802 (2024).
20. Marwa Mohamed Abouelela, **Go Kawamura**, Wai Kian Tan, Muhd Amiruldin, Keiichiro Maegawa, Jin Nishida, Atsunori Matsuda, "Ag nanoparticles decorated ZnO nanopagodas for photoelectrochemical application," *Electrochemistry Communications*, **158**, 107645(12pp) (2024).
21. **Go Kawamura**, Daiki Hirai, Shingo Yamauchi, Wai Kian Tan, Hiroyuki Muto, Atsunori Matsuda, "Synergy effect of plasmonic field enhancement and light confinement in mesoporous titania-coated

- aluminum nanovoid photoelectrode,” *Journal of Physical Chemistry Letters*, **14**(51), 11691-11696 (2023).
22. Nurhaswani Alias Navid Marzakhani, Mustaffa Ali Azhar Taib, Syaafnaz Ridzuan, Wai Kian Tan, **Go Kawamura**, Atsunori Matsuda, Zainovia Lockman, “Cr(VI) reduction by nitrogen annealed free-standing anodic TiO₂ nanotubes formed in ethylene glycol-Na₂CO₃ electrolyte,” *Journal of Alloys and Compounds*, **968**, 172183(11pp) (2023).
23. Marwa M. Abouelela, Kazuki Inoue, **Go Kawamura**, Wai Kian Tan, Atsunori Matsuda, “Heterojunction of TiO₂ nanotubes arrays/Bi₂Se₃ quantum dots as an effective and stable photoanode for photoelectrochemical H₂ generation,” *Sustainable Materials and Technologies*, **38**, e00718(12pp) (2023).
24. M. Abd Elkodous, **Go Kawamura**, Atsunori Matsuda, “Al-SrTiO₃/Au/CdS Z-schemes for the efficient photocatalytic H₂ production under visible light,” *International Journal of Hydrogen Energy*, **48**(86), 33456-33465 (2023).
25. Keiichiro Maegawa, Mateusz Wlazlo, Nguyen Huu Huy Phuc, Kazuhiro Hikima, **Go Kawamura**, Atsushi Nagai, Atsunori Matsuda, “Synthesis and structure-electrochemical property relationships of hybrid imidazole-based proton conductors for medium-temperature anhydrous fuel cells,” *Chemistry of Materials*, **35**(18), 7708-7718 (2023).
26. Sally M. Youssry, M. Abd Elkodous, Rajesh Kumar, **Go Kawamura**, Wai Kian Tan, Atsunori Matsuda, “Thermal-assisted synthesis of reduced graphene oxide-embedded Ni nanoparticles as high-performance electrode material for supercapacitor,” *Electrochimica Acta*, **463**, 142814(9pp) (2023).
27. May Zin Toe, Wai Kian Tan, Hiroyuki Muto, **Go Kawamura**, Atsunori Matsuda, Swee-Yong Pung, “Evaluation of the structural, optical and photoconversion efficiency of ZnO thin films prepared using aerosol deposition,” *Applied Sciences*, **13**(3), 1905(14pp) (2023).
28. Marwa Mohamed Abouelela, Mostafa Saad Sayed, **Go Kawamura**, Wai Kian Tan, Atsunori Matsuda, “Enhancing the photoelectrochemical performance of ZnO nanopagoda photoanode through sensitization with Ag and Ag₂S NPs co-deposition,” *Materials Chemistry and Physics*, **305**, 127984(10pp) (2023).
29. Rajesh Kumar, Sumanta Sahoo, Ednan Joanni, Raghvendra Pandey, Wai Kian Tan, **Go Kawamura**, Stanislav A. Moshkalev, Atsunori Matsuda, “Microwave-assisted dry synthesis of hybrid electrode materials for supercapacitors: Nitrogen-doped rGO with homogeneously dispersed CoO nanocrystals,” *Journal of Energy Storage*, **68**, 107820(11pp) (2023).
30. Kazuki Inoue, Atsunori Matsuda, **Go Kawamura**, “Tube length optimization of titania nanotube array for efficient photoelectrochemical water splitting,” *Scientific Reports*, **13**(1), 103(7pp) (2023).
31. Keiichiro Maegawa, Yuya Ashida, Kazuhiro Hikima, Wai Kian Tan, **Go Kawamura**, Atsunori Matsuda, “Enhanced proton conductivity and power density of HT-PEMFCs using tin pyrophosphate microparticles-dispersed polybenzimidazole composite electrolyte membranes,” *Solid State Ionics*, **393**, 116186(9pp) (2023).
32. Keiichiro Maegawa, Fan Zhang, Qiaxian Johnson, Mihaela Jitianu, Wai Kian Tan, **Go Kawamura**, Atsunori Matsuda, Andrei Jitianu, “Control of micro- and nanostructures of layered double hydroxides by hydrothermal treatment,” *Crystal Growth and Design*, **23**(4), 2128-2137 (2023).

33. Marwa Mohamed Abouelela, **Go Kawamura**, Wai Kian Tan, Atsunori Matsuda, “Anodic nanoporous WO_3 modified with Bi_2S_3 quantum dots as a photoanode for photoelectrochemical water splitting,” *Journal of Colloid and Interface Science*, **629**, 958-970 (2023).
34. Nor Fauziah Zainudin, Sung Ting Sam, Yee Shian Wong, Hanafi Ismail, Sapuru Walli, Kazuki Inoue, **Go Kawamura**, Wai Kian Tan, “Degradation of diazo congo red dye by using synthesized poly-ferric-silicate-sulphate through co-polymerization process,” *Polymers*, **15**, 237(15pp) (2023).
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