

CURRICULUM VITAE

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Nationality: Japanese

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Education Background

- 2006-2009 Ph.D., Nagoya Institute of Technology, Materials Science and Engineering
“Morphology- and Assembly-Controlled Gold Nanoparticles and Their Optoelectronic Properties”
- 2004-2006 M.S., Nagoya Institute of Technology, Materials Science and Engineering
“Synthesis of High-Concentration-Europium-Doped Glasses for Their Optical Applications (in Japanese)”
- 2000-2004 B.S., Nagoya Institute of Technology, Materials Science and Engineering
“Redox Behavior of Sm³⁺ Ions by X-ray and Femtosecond Laser Irradiation and Influence of the Glass Matrix Composition (in Japanese)”

Employment Record

- 2017-* Visiting Scientist, University of Erlangen-Nuremberg (FAU), Department of Materials Science and Technology
- 2013-2014* Visiting Professor, Duke University, Department of Chemistry
- 2010- Assistant Professor, Toyohashi University of Technology, Department of Electrical and Electronic Information Engineering
- 2009-2010 Assistant Professor, Toyohashi University of Technology, Department of Materials Science

*Concurrent post

Awards and Prizes (13)

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

Grants (17)

1. ***Grant for Travel Expense***, Toyoaki Scholarship Foundation, Oct. 2016.
2. ***Research Grant***, The Nitto Foundation, Oct. 2016 – Sep. 2017.
3. ***Research Grant***, The Mazda Foundation, Oct. 2016 – Mar. 2018.
4. ***Research Grant***, Foundation of Public Interest, Tatematsu Foundation, Aug. 2014 – Mar. 2015.
5. ***Research Grant***, Nippon Sheet Glass Foundation for Materials Science and Engineering, May 2014 – Mar. 2015.
6. ***Research Grant***, The Murata Science Foundation, Jun. 2012 – Mar. 2013.
7. ***Collaboration Research Grant***, Network Joint Research Center for Advanced Materials and Devices, Apr. 2012 – Mar. 2013.
8. ***Research Grant***, Tokai Foundation for Technology, Apr. 2012 – Mar. 2013.

9. *Research Grant*, The Ogasawara Foundation for the Promotion of Science & Engineering, Jan. 2012 – Dec. 2012.
10. *Adaptable and Seamless Technology Transfer Program through Target-driven R&D*, Japan Science and Technology Agency, Dec. 2011 – Jul. 2012.
11. *Research Activation Grant*, Toyohashi University of Technology, Jun. 2011 – Mar. 2012.
12. *Research Grant*, Izumi Science and Technology Foundation, Nov. 2010 – Oct. 2011.
13. *Grant for Travel Expense*, The Murata Science Foundation, Jun. 2010.
14. *Grant-in-Aid for Young Scientists (B) 22760539*, Japan Society for the Promotion of Science (JSPS), Apr 2010 – Mar 2013.
15. *Project Research Grant for Young Researcher*, Research Center for Future Technology in Toyohashi University of Technology, Sep 2009 – Mar 2012.
16. *Grant-in-Aid for Young Scientists (Start-up) 21860045*, Japan Society for the Promotion of Science (JSPS), Aug 2009 – Mar 2010.
17. *Research Activation Grant*, Toyohashi University of Technology, Jun 2009 - Mar 2010.

Invited Talks (17, including 8 international conferences)

1. **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)
2. **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)
3. **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).
4. **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).
5. **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).
6. **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).
7. **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).

8. **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).
9. **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).
10. **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).
11. **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).
12. **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).
13. **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).
14. **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).
15. **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).
16. **Go Kawamura**, “Liquid Phase Synthesis of Morphology-Controlled Metal Nanoparticles and Their Assemblies,” *Lecture meeting*, University Sains Malaysia. Penang, Malaysia (2012.3.12-14).
17. **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).

Publications (89, including 25 first-author papers, *h*-index: 15 (by Google Scholar))

1. Nyein Nyein, Wai Kian Tan, **Go Kawamura**, Atsunori Matsuda, and Zainovia Lockman, “TiO₂ nanotube arrays formation in fluoride/ethylene glycol electrolyte containing LiOH or KOH as photoanode for dye-sensitized solar cell,” *Journal of Photochemistry and Photobiology A: Chemistry*, In press.

2. Amira Hassanein, Nehal Salahuddin, Atsunori Matsuda, **Go Kawamura**, and Mona Elfiky, "Fabrication of biosensor based on chitosan-ZnO/polypyrrole nanocomposite modified carbon paste electrode for electroanalytical application," *Materials Science and Engineering: C*, In press.
3. Shota Azuma, Hideto Yamada, **Go Kawamura**, Hiroyuki Muto, Takanori Mizushima, and Atsunori Matsuda, "Development of multilayer coating system based on electrophoretic deposition process," *Journal of the Ceramic Society of Japan*, **125**, 317-321 (2017).
4. Shota Azuma, Kota Aiyama, **Go Kawamura**, Hiroyuki Muto, Takanori Mizushima, Tetsuo Uchikoshi, and Atsunori Matsuda, "Colloidal processing of Li₂S-P₂S₅ films fabricated via electrophoretic deposition methods and their characterization as a solid electrolyte for all solid state lithium ion batteries," *Journal of the Ceramic Society of Japan*, **125**, 287-292 (2017).
5. Monna Rozana, Nurul Izza Soaid, Tan Wai Kian, **Go Kawamura**, Atsunori Matsuda, and Zainovia Lockman, "Photocatalytic performance of freestanding tetragonal zirconia nanotubes formed in H₂O₃/NH₄F/ethylene glycol electrolyte by anodisation of zirconium," *Nanotechnology*, **28**, 155604_1-15 (2017).
6. Xing Wei, Pascal Sugri Nbelayim, **Go Kawamura**, Hiroyuki Muto, and Atsunori Matsuda, "Ag nanoparticle-filled TiO₂ nanotube arrays prepared by anodization and electrophoretic deposition for dye-sensitized solar cells," *Nanotechnology*, **28**, 135207_1-8 (2017).
7. Nyein Nyein, Wai Kian Tan, **Go Kawamura**, Atsunori Matsuda, and Zainovia Lockman, "Anodic Ag/TiO₂ nanotube array formation in NaOH/fluoride/ethylene glycol electrolyte as a photoanode for dye-sensitized solar cells," *Nanotechnology*, **27**, 355605_1-11 (2016).
8. Mustaffa Ali Azhar Taib, **Go Kawamura**, Atsunori Matsuda, Mariatti Jaafar, Khairunisak Abdul Razak, and Zainovia Lockman, "Synthesis of TiO₂ nanotube arrays in NaOH added ethylene glycol electrolyte and the effect of annealing temperature on the nanotube arrays to their photocurrent performance," *Key Engineering Materials*, **701**, 28-32 (2016).
9. **Go Kawamura**, "Au/Ag nanoparticle-deposited SiO₂/TiO₂ porous supports with various localized surface plasmon resonance-related properties," *Journal of Ceramic Society of Japan*, **124**, 757-762 (2016).
10. Xing Wei, **Go Kawamura**, Hiroyuki Muto, and Atsunori Matsuda, "Fabrication on low voltage driven electrowetting liquid lens by dip coating processes," *Thin Solid Films*, **608**, 16-20 (2016).
11. Teruhisa Okuno, **Go Kawamura**, Hiroyuki Muto, and Atsunori Matsuda, "Photocatalytic properties of Au-deposited mesoporous SiO₂-TiO₂ photocatalyst under simultaneous irradiation of UV and visible light," *Journal of Solid State Chemistry*, **235**, 132-138 (2016).
12. **Go Kawamura**, Keisuke Ikeda, Takuya Ito, Hiroyuki Muto, Pang Boey Lim, Mitsuteru Inoue, and Atsunori Matsuda, "Reversible change of diffraction efficiency in Cl-containing 3-glycidoxypropyl silsesquioxane films co-doped with Ag and Cu," *Journal of Ceramic Society of Japan*, **124**, 150-154 (2016).
13. **Go Kawamura**, "Ag-doped inorganic-organic hybrid films for rewritable hologram memory application," *Journal of Sol-Gel Science and Technology*, **79**, 374-380 (2016).

14. **Go Kawamura**, Samuel Alvarez, Ian E. Stewart, Matthew Catenacci, Zuofeng Chen, and Yoon-Cheol Ha, "Production of oxidation-resistant Cu-based nanoparticles by wire explosion," *Scientific Reports*, **5**, 18333_1-8 (2015).
15. Reda E. El-Shater, Mohamed M. Abdel-Galeil, **Go Kawamura**, and Atsunori Matsuda, "Spacer thickness-dependent electron transport performance of titanium dioxide thick film for dye-sensitized solar cells," *Journal of Nanomaterials*, **2015**, 680201_1-9 (2015).
16. **Go Kawamura** and Atsunori Matsuda, "Titania-based functional nanocomposite materials fabricated by liquid processes," *Journal of the Ceramic Society of Japan*, **123**[7], 517-522 (2015). (**Award of the Outstanding Review**)
17. **Go Kawamura**, Hayato Ohmi, Wai Kian Tan, Zainovia Lockman, Hiroyuki Muto, and Atsunori Matsuda, "Ag nanoparticle deposited TiO₂ nanotube arrays for electrodes of dye-sensitized solar cells," *Nanoscale Research Letters*, **10**, 219_1-6 (2015).
18. Teruhisa Okuno, **Go Kawamura**, Hiroyuki Muto, and Atsunori Matsuda, "Three modes of high-efficient photocatalysis using composites of TiO₂-nanocrystallite-containing mesoporous SiO₂ and Au nanoparticles," *Journal of Sol-Gel Science and Technology*, **74**, 748-755 (2015).
19. Wai Kian Tan, **Go Kawamura**, Hiroyuki Muto, Khairunisak Abdul Razak, Zainovia Lockman, and Atsunori Matsuda, "Blue-Emitting Photoluminescence of Rod-Like and Needle-Like ZnO Nanostructures Formed by Hot-Water Treatment of Sol-Gel Derived Coatings," *Journal of Luminescence*, **158**, 44-49 (2015).
20. Monna Rozana, Khairunisak Abdul Razak, **Go Kawamura**, Atsunori Matsuda, and Zainovia Lockman, "Formation of Aligned Iron Oxide Nanopores as Cr Adsorbent Material," *Advanced Materials Research*, **1087**, 460-464 (2015).
21. **Go Kawamura**, Hiroyuki Muto, and Atsunori Matsuda, "Hard Template Synthesis of Metal Nanowires," *Frontiers in Chemistry*, **2**, 104_1-4 (2014).
22. Monna Rozana, Mustaffa Ali Azhar, Dede Miftahul Anwar, **Go Kawamura**, Khairunisak Abdul Razak, Atsunori Matsuda, and Zainovia Lockman, "Effect of Applied Voltage on the Formation of Self-organized Iron Oxide Nanoporous Film in Organic Electrolyte via Anodic Oxidation Process and their Photocurrent Performance," *Advanced Materials Research*, **1024**, 99-103 (2014).
23. Syahriza Ismail, Monna Rozana, Dede Miftahul Anwar, **Go Kawamura**, Atsunori Matsuda, and Zainovia Lockman, "Electrolyte Influence on the Morphologies of Anodic ZrO₂ Nanotube Arrays Formed by Anodization," *Advanced Materials Research*, **1024**, 104-107 (2014).
24. Xing Wei, Iki Mogami, **Go Kawamura**, Hiroyuki Muto, and Atsunori Matsuda, "A Wettability Tunable Surface of Nafion® with Controlling the Flip-Flop Property by DC Applied Voltage," *Key Engineering Materials*, **616**, 77-81 (2014).
25. Taku Tsuneishi, Takuma Esaki, Hisatoshi Sakamoto, Kazushi Hayashi, **Go Kawamura**, Hiroyuki Muto, and Atsunori Matsuda, "Iron Composite Anodes for Fabricating All-Solid-State Iron–Air Rechargeable Batteries," *Key Engineering Materials*, **616**, 114-119 (2014).

26. Shota Azuma, **Go Kawamura**, Hiroyuki Muto, Noriyoshi Kakuta, and Atsunori Matsuda, "Preparation of layered double hydroxide and its graphene composite films as electrodes for photoelectrochemical cells," *Key Engineering Materials*, **616**, 129-133 (2014).
27. Adrian Ashari, Darren J. LeClere, **Go Kawamura**, Hiroyuki Muto, and Atsunori Matsuda, "Study of Branched TiO₂ Nanotubes and Their Application to Dye Sensitized Solar Cells," *Journal of Ceramic Society of Japan*, **122**, 1-3 (2014).
28. Taku Tsuneishi, Hisatoshi Sakamoto, Kazushi Hayashi, **Go Kawamura**, Hiroyuki Muto, and Atsunori Matsuda, "Preparation of Hydroxide Ion Conductive KOH-Layered Double Hydroxide Electrolytes for an All-Solid-State Iron-Air Secondary Battery," *Journal of Asian Ceramic Society*, **2**[2], 165-168 (2014).
29. **Go Kawamura**, Tomoyuki Ema, Hisatoshi Sakamoto, Xing Wei, Hiroyuki Muto, and Atsunori Matsuda, "Spontaneous Changes in Contact Angle of Water and Oil on Novel Flip-Flop-Type Hydrophobic Multilayer Coatings," *Applied Surface Science*, **298**, 142-146 (2014).
30. Wai Kian Tan, Leow Cheah Li, Khairunisak Abdul Razak, **Go Kawamura**, Hiroyuki Muto, Atsunori Matsuda, and Zainovia Lockman, "Formation of Two-Dimensional ZnO Nanosheets by Rapid Thermal Oxidation in Oxygenated Environment," *Journal of Nanoscience and Nanotechnology*, **14**[4], 2960-2967 (2014).
31. **Go Kawamura**, Teruhisa Okuno, Hiroyuki Muto, and Atsunori Matsuda, "Visible-Light-Induced Photocatalysis of 2D-Hexagonal Mesoporous SiO₂-TiO₂ Deposited with Au Nanoparticles," *Journal of Nanoscience and Nanotechnology*, **14**[3], 2225-2230 (2014).
32. Wai Kian Tan, Khairunisak Abdul Razak, Zainovia Lockman, **Go Kawamura**, Hiroyuki Muto, and Atsunori Matsuda, "Synthesis of ZnO Nanorod-Nanosheet Composite via Facile Hydrothermal Method and Their Photocatalytic Activities under Visible-Light Irradiation," *Journal of Solid State Chemistry*, **211**, 146-153 (2014).
33. Jun-ichi Hamagami, Ryo Araki, Shohei Onimaru, **Go Kawamura**, and Atsunori Matsuda, "Influence of Catalyst Loading Method on Titania-Based Optical Hydrogen Gas Sensing Properties," *Key Engineering Materials*, **582**, 210-213 (2014).
34. Nguyen H. H. Phuc, Teruhisa Okuno, Norio Hakiri, **Go Kawamura**, Atsunori Matsuda, Hiroyuki Muto, "Synthesis of High-Edge Exposure MoS₂ Nano Flakes," *Journal of Nanoparticle Research*, **16**[1], 2199 (2014).
35. Teruhisa Okuno, **Go Kawamura**, Hiroyuki Muto, and Atsunori Matsuda, "Fabrication of Shape-Controlled Au Nanoparticles in a TiO₂-Containing Mesoporous Template using UV Irradiation and Their Shape-Dependent Photocatalysis," *Journal of Materials Science and Technology*, **30**[1], 8-12 (2014).
36. Wai Kian Tan, Khairunisak Abdul Razak, Zainovia Lockman, **Go Kawamura**, Hiroyuki Muto, and Atsunori Matsuda, "Enhanced Dye-Sensitized Solar Cells Performance of ZnO Nanorod Arrays Grown by Low-Temperature Hydrothermal Reaction," *International Journal of Energy Research*, **37**, 1992-2000 (2013).

37. Song-Yul Oh, Takuya Kikuchi, **Go Kawamura**, Hiroyuki Muto, and Atsunori Matsuda, "Proton Conductive Composite Electrolytes in the $\text{KH}_2\text{PO}_4\text{-H}_3\text{PW}_{12}\text{O}_{40}$ System for H_2/O_2 Fuel Cell Operation," *Applied Energy*, 112, 1108-1114 (2013).
38. Wai Kian Tan, Khairunisak Abdul Razak, Zainovia Lockman, **Go Kawamura**, Hiroyuki Muto, and Atsunori Matsuda, "Photoluminescence Properties of Rod-Like Ce-Doped ZnO Nanostructured Films Formed by Hot-Water Treatment of Sol-Gel Derived Coating," *Optical Materials*, 35[11], 1902-1907 (2013).
39. **Go Kawamura**, Ryota Yoshimura, Kazunari Ota, Song-Yul Oh, Hiroyuki Muto, Tomokatsu Hayakawa, and Atsunori Matsuda, "Extraction of Nd^{3+} -doped LiYF_4 phosphor from sol-gel-derived oxyfluoride glass ceramics by hydrofluoric acid treatment," *Optical Materials*, 35[11], 1879-1881 (2013).
40. Jun-ichi Hamagami, Shohei Onimaru, Ryo Araki, **Go Kawamura**, and Atsunori Matsuda, "Low-Temperature Processing and Optical Hydrogen Gas Sensing Property of Pd-Loaded Titania Coating onto Flexible Plastic Substrate," *Key Engineering Materials*, 566, 249-252 (2013).
41. Wai Kian Tan, Khairunisak Abdul Razak, Zainovia Lockman, **Go Kawamura**, Hiroyuki Muto, and Atsunori Matsuda, "Optical Properties of Two-Dimensional ZnO Nanosheets Formed by Hot-Water Treatment of Zn Foils," *Solid State Communications*, 162, 43-47 (2013).
42. Mun Teng Soo, **Go Kawamura**, Hiroyuki Muto, Atsunori Matsuda, Zainovia Lockman, and Kuan Yew Cheong, "Fabrication of Well-Crystallized Mesoporous ZrO_2 Thin Films via Pluronic P123 Templated Sol-Gel Route," *Ceramics Internationals*, 39[1], S437-S440 (2013).
43. Atsunori Matsuda, Hisatoshi Sakamoto, Mohd Arif Bin Mohd Nor, **Go Kawamura**, and Hiroyuki Muto, "Characterization and Film Properties of Electrophoretically Deposited Nanosheets of Anionic Titanate and Cationic MgAl-Layered Double Hydroxide," *Journal of Physical Chemistry B*, 117[6], 1724-1730 (2013).
44. **Go Kawamura**, Ryota Yoshimura, Kazunari Ota, Song-Yul Oh, Norio Hakiri, Hiroyuki Muto, Tomokatsu Hayakawa, and Atsunori Matsuda, "A Unique Approach to Characterization of Sol-Gel-Derived Rare-Earth-Doped Oxyfluoride Glass Ceramics," *Journal of the American Ceramic Society*, 96[2], 476-480 (2013).
45. **Go Kawamura**, Masayuki Nogami, and Atsunori Matsuda, "Shape-Controlled Metal Nanoparticles and their Assemblies with Optical Functionalities," *Journal of Nanomaterials*, 2013, 631350_1-17 (2013).
46. Warapong Krengvirat, Srimala Sreekantan, Ahmad-Fauzi Mohd Noor, Nobuaki Negishi, **Go Kawamura**, Hiroyuki Muto, and Atsunori Matsuda, "Low-Temperature Crystallization of TiO_2 Nanotube Arrays via Hot Water Treatment and Their Photocatalytic Properties under Visible-Light Irradiation," *Materials Chemistry and Physics*, 137[3], 991-998 (2013).
47. Warapong Krengvirat, Srimala Sreekantan, Ahmad-Fauzi Mohd Noor, **Go Kawamura**, Hiroyuki Muto, and Atsunori Matsuda, "Single-Step Growth of Carbon and Potassium-Embedded TiO_2 Nanotube Arrays for Efficient Photoelectrochemical Hydrogen Generation," *Electrochimica Acta*, 89, 585-593 (2013).
48. Mun Teng Soo, **Go Kawamura**, Hiroyuki Muto, Atsunori Matsuda, Zainovia Lockman, and Kuan Yew Cheong, "Design of Hierarchically Meso-Macroporous Tetragonal ZrO_2 Thin Films with Tunable

- Thickness by Spin-Coating via Sol-Gel Template Route,” *Microporous and Mesoporous Materials*, **167**, 198-206 (2013).
49. Wai Kian Tan, Khairunisak Abdul Razak, Zainovia Lockman, **Go Kawamura**, Hiroyuki Muto, and Atsunori Matsuda, “Formation of Highly Crystallized ZnO Nanostructures by Hot-Water Treatment of Etched Zn Foils,” *Materials Letters*, **91**, 111-114 (2013).
 50. Song-Yul Oh, **Go Kawamura**, Hiroyuki Muto, and Atsunori Matsuda, “Mechanochemical Synthesis of Proton Conductive Composites Derived from Cesium Dihydrogen Phosphate and Guanine,” *Solid State Ionics*, **225**, 223-227 (2012).
 51. Song-Yul Oh, Keisuke Kawai, **Go Kawamura**, Hiroyuki Muto, and Atsunori Matsuda, “Characterization of Mechanochemically Synthesized $MHSO_4-H_4SiW_{12}O_{40}$ Composites (M = K, NH_4 , Cs),” *Materials Research Bulletin*, **47**[10], 2931-2935 (2012).
 52. Song-Yul Oh, **Go Kawamura**, Hiroyuki Muto, and Atsunori Matsuda, “Anhydrous Protic Conduction of Mechanochemically Synthesized $CsHSO_4$ -Azole-Derived Composites,” *Electrochimica Acta*, **75**, 11-19 (2012).
 53. Warapong Krengrvirat, Srimala Sreekantan, Ahmad-Fauzi Mohd Noor, Nobuaki Negishi, Song-Yul Oh, **Go Kawamura**, Hiroyuki Muto, and Atsunori Matsuda, “Carbon-Incorporated TiO_2 Photoelectrodes Prepared via Rapid-Anodic Oxidation for Efficient Visible-Light Hydrogen Generation,” *International Journal of Hydrogen Energy*, **37**[13], 10046-10056 (2012).
 54. Warapong Krengrvirat, Srimala Sreekantan, Ahmad-Fauzi Mohd Noor, Charoen Chinwanitcharoen, **Go Kawamura**, and Atsunori Matsuda, “Control of the Structure, Morphology and Dielectric Properties of Bismuth Titanate Ceramics by Praseodymium Substitution Using an Intermediate Fuel Agent-Assisted Self-Combustion Synthesis,” *Journal of Materials Science*, **47**[9], 4019-4027 (2012).
 55. Zainovia Lockman, Khairunisak Abdul Razak, Tan Kah Huat, Tan Wai Kian, Leow Cheah Li, **Go Kawamura**, and Atsunori Matsuda, “Formation of 1-Dimensional (1D) and 3-Dimensional (3D) ZnO Nanostructures by Oxidation and Chemical Methods,” *Materials Science and Engineering Technology*, **43**[5], 457-460 (2012).
 56. Mun Teng Soo, Niki Prastomo, Atsunori Matsuda, **Go Kawamura**, Hiroyuki Muto, Ahmad-Fauzi Mohd Noor, Zainovia Lockman, and Kuan Yew Cheong, “Elaboration and Characterization of Sol-Gel Derived ZrO_2 Thin Films Treated With Hot Water,” *Applied Surface Science*, **258**[13], 5250-5258 (2012).
 57. **Go Kawamura**, Ikuo Hayashi, Hiroyuki Muto, and Atsunori Matsuda, “Anisotropically Assembled Gold Nanoparticles Prepared Using Unidirectionally Aligned Mesochannels of Silica Film,” *Scripta Materialia*, **66**[7], 479-482 (2012).
 58. **Go Kawamura**, Teruhisa Okuno, Hiroyuki Muto, and Atsunori Matsuda, “Selective Preparation of Zero and One-Dimensional Gold Nanostructures in a TiO_2 Nanocrystal-Containing Photoactive Mesoporous Template,” *Nanoscale Research Letters*, **7**[1], 27_1-8 (2012).
 59. Hisatoshi Sakamoto, M. Arif M. Nor, N. Hana B. Zakaria, **Go Kawamura**, Hiroyuki Muto, and Atsunori Matsuda, “Low Temperature Fabrication of Titanium Oxide Composite Films by Hot-Water Treatment and Application for Dye-Sensitized Solar Cells,” *Electrochemistry*, **79**[10], 1-4 (2011).

60. Atsunori Matsuda, Song-Yul Oh, Van Hai Nguyen, Yusuke Daiko, **Go Kawamura**, and Hiroyuki Muto, "Anhydrous Proton Conductivity of $\text{KHSO}_4\text{-H}_3\text{PW}_{12}\text{O}_{40}$ Composites and the Correlation with Hydrogen Bonding Distance under Ambient Pressure," *Electrochimica Acta*, **56**[25], 9364-9369 (2011).
61. **Go Kawamura**, Mai Murakami, Teruhisa Okuno, Hiroyuki Muto, and Atsunori Matsuda, "Length Control of Ag Nanorods in Mesoporous $\text{SiO}_2\text{-TiO}_2$ by Light Irradiation," *RSC Advances*, **1**[4], 584-587 (2011).
62. **Go Kawamura**, Yuuki Tsurumi, Hiroyuki Muto, Mototsugu Sakai, Mitsuteru Inoue, and Atsunori Matsuda, "Reversible Conversion between AgCl and Ag in AgCl-Doped $\text{RSiO}_{3/2}\text{-TiO}_2$ Films Prepared by a Sol-Gel Technique," *Materials Chemistry and Physics*, **130**[1-2], 264-269 (2011).
63. Niki Prastomo, Nor Hana bint Zakaria, **Go Kawamura**, Hiroyuki Muto, Mototsugu Sakai, and Atsunori Matsuda, "High Surface Area BaZrO_3 Photocatalyst Prepared by Base-Hot-Water Treatment," *Journal of the European Ceramic Society*, **31**[14], 2699-2705 (2011).
64. Song-Yul Oh, Evan Kamaratul Insani, Van Hai Nguyen, **Go Kawamura**, Hiroyuki Muto, Mototsugu Sakai, and Atsunori Matsuda, "Mechanochemically Synthesized $\text{CsH}_2\text{PO}_4\text{-H}_3\text{PW}_{12}\text{O}_{40}$ Composites as Proton Conducting Electrolytes for Fuel Cell Systems in Dry Atmosphere," *Science and Technology of Advanced Materials*, **12**[3], 034402_1-6 (2011).
65. Jun-ichi Hamagami, Ryo Araki, Shohei Onimaru, Hiroyuki Oda, **Go Kawamura**, and Atsunori Matsuda, "Low Temperature Preparation and Optical Hydrogen Response of Pd/Titania Composite Film," *Key Engineering Materials*, **485**, 275-278 (2011).
66. **Go Kawamura**, Yuuki Tsurumi, Hiroyuki Muto, Mitsuteru Inoue, and Atsunori Matsuda, "Sol-Gel Synthesis of Novel Photosensitive Material with Advanced Holographic Properties," *Journal of the Ceramic Society of Japan*, **119**[6], 426-429 (2011).
67. Mun Teng Soo, **Go Kawamura**, Hiroyuki Muto, Kuan Yew Cheong, Zainovia Lockman, Ahmad Fauzi Mohd Noor, and Atsunori Matsuda, "Design and Synthesis of Mesoporous ZrO_2 Thin Films Using Surfactant Pluronic P123 via Sol-Gel Technique," *Journal of the Ceramic Society of Japan*, **119**[6], 517-521 (2011).
68. Yushi Tsutsui, Tomokatsu Hayakawa, **Go Kawamura**, and Masayuki Nogami, "Tuned Longitudinal Surface Plasmon Resonance and Third-Order Nonlinear Optical Properties of Gold Nanorods," *Nanotechnology*, **22**[27], 275203_1-7 (2011).
69. Niki Prastomo, Mohamad Ayad, **Go Kawamura**, and Atsunori Matsuda, "Synthesis and Characterization of Polyaniline Nanofiber/ TiO_2 Nanoparticles Hybrids," *Journal of the Ceramic Society of Japan*, **119**[5], 342-345 (2011).
70. Zainovia Lockman, Syahriza Izmail, **Go Kawamura**, and Atsunori Matsuda, "Formation of Zirconia and Titania Nanotubes in Fluorine Contained Glycerol Electrochemical Bath," *Defect and Diffusion Forum*, **312-315**, 76-81 (2011).
71. Song-Yul Oh, Toshihiro Yoshida, **Go Kawamura**, Hiroyuki Muto, and Atsunori Matsuda, "Solid-State Mechanochemical Synthesis of CsHSO_4 and 1,2,4-Triazole Inorganic-Organic Composite Electrolytes for Dry Fuel Cells," *Electrochimica Acta*, **56**[5], 2364-2371 (2011).

72. **Go Kawamura**, Shizuka Sato, Hiroyuki Muto, Mototsugu Sakai, Pang Boey Lim, Kenjiro Watanabe, Mitsuteru Inoue, and Atsunori Matsuda, "AgBr Nanocrystal-Dispersed Silsesquioxane-Titania Hybrid Films for Holographic Materials," *Materials Letters*, **64**[23], 2648-2651 (2010).
73. Wai Kian Tan, Razak Khairunisak Abdul, Kamarulazizi Ibrahim, **Go Kawamura**, Jun-ichi Hamagami, Atsunori Matsuda, and Zainovia Lockman, "Formation of ZnO Nano and Sub-Micron-Rods by Chemical Process on Hot-Water Treated and Non-Treated Sol-Gel Coating," *Malaysian Journal of Microscopy*, **6**, 58-63 (2010).
74. Yong Yang, Masaki Tanemura, Zhengren Huang, Dongliang Jiang, Zhi-Yuan Li, Ying-Ping Huang, **Go Kawamura**, Kohei Yamaguchi, and Masayuki Nogami, "Aligned Gold Nanoneedle Arrays for Surface-Enhanced Raman Scattering," *Nanotechnology*, **21**[32], 325701_1-5 (2010).
75. **Go Kawamura**, Ikuo Hayashi, Rahmat Ali Fitrah, Hiroyuki Muto, Jun-ichi Hamagami, and Atsunori Matsuda, "Dimension- and Direction-Controlled Gold Nanorods Deposited in Ordered Mesoporous Silica," *Advances in Science and Technology*, **63**, 126-130 (2010).
76. Song-Yul Oh, Toshihiro Yoshida, **Go Kawamura**, Hiroyuki Muto, Mototsugu Sakai, and Atsunori Matsuda, "Inorganic-Organic Composite Electrolytes Consisting of Polybenzimidazole and Cs-Substituted Heteropoly Acids and Their Application for Medium Temperature Fuel Cell," *Journal of Materials Chemistry*, **20**[30], 6359-6366 (2010).
77. Song-Yul Oh, Toshihiro Yoshida, **Go Kawamura**, Hiroyuki Muto, Mototsugu Sakai, and Atsunori Matsuda, "Composite Electrolytes Composed of Cs-Substituted Phosphotungstic Acid and Sulfonated Poly(Ether-Ether Ketone) for Fuel Cell Systems," *Materials Science and Engineering B*, **173**[1-3], 99-104 (2010).
78. **Go Kawamura**, Shizuka Sato, Toshihiro Kogure, Yusuke Daiko, Hiroyuki Muto, Mototsugu Sakai, and Atsunori Matsuda, "Photoinduced Reduction and Heat-Induced Oxidation of Silver in Transparent $\text{RSiO}_{3/2}$ and $\text{RSiO}_{3/2}\text{-TiO}_2$ Films," *Physical Chemistry Chemical Physics*, **12**[25], 6859-6863 (2010).
79. Song-Yul Oh, Toshihiro Yoshida, **Go Kawamura**, Hiroyuki Muto, Mototsugu Sakai, and Atsunori Matsuda, "Proton Conductivity and Fuel Cell Property of Composite Electrolyte Containing Cs-Substituted Heteropoly Acids and Sulfonated Poly(Ether-Ether Ketone)," *Journal of Power Sources*, **195**[18], 5822-5828 (2010).
80. Masayuki Nogami, Ryosuke Koike, Randy Jalem, **Go Kawamura**, Yong Yang, and Yukichi Sasaki, "Synthesis of Porous Single-Crystalline Platinum Nanocubes Composed of Nanoparticles," *The Journal of Physical Chemistry Letters*, **1**[2], 568-571 (2010).
81. **Go Kawamura**, and Masayuki Nogami, "Application of a Conproportionation Reaction to a Synthesis of Shape-Controlled Gold Nanoparticles," *Journal of Crystal Growth*, **311**, 4462-4466 (2009).
82. **Go Kawamura**, Yong Yang, Koichiro Fukuda, and Masayuki Nogami, "Shape Control Synthesis of Multi-Branched Gold Nanoparticles," *Materials Chemistry and Physics*, **115**, 229-234 (2009).
83. **Go Kawamura**, Yong Yang, and Masayuki Nogami, "End-to-End Assembly of CTAB-Stabilized Gold Nanorods by Citrate Anions," *Journal of Physical Chemistry C*, **112**, 10632-10636 (2008).

84. Yong Yang, Jianlin Shi, **Go Kawamura**, and Masayuki Nogami, "Preparation of Au Ag, Ag Au Core Shell Bimetallic Nanoparticles for Surface-Enhanced Raman Scattering," *Scripta Materialia*, **58**[10], 862-865 (2008).
85. Masayuki Nogami, **Go Kawamura**, Lionel Dapvriil, and Kengo Goto, "New Hole-Burning Property of Eu^{3+} Ions Doped in Glasses," *Advanced Materials*, **19**, 2347-2350 (2007).
86. Masayuki Nogami, Tatsuki Hagiwara, **Go Kawamura**, El-Sayed Ghaith, and Tomokatsu Hayakawa, "Redox Equilibrium of Samarium Ions Doped in Al_2O_3 - SiO_2 Glasses," *Journal of Luminescence*, **124**[2], 291-296 (2007).
87. **Go Kawamura**, Yong Yang, and Masayuki Nogami, "Facile Assembling of Gold Nanorods with Large Aspect Ratio and Their Surface Enhanced Raman Scattering Properties," *Applied Physics Letters*, **90**, 261906_1-3 (2007).
88. **Go Kawamura**, Tomokatsu Hayakawa, and Masayuki Nogami, "Effect of Counter Ions on the Reduction Process of Sm^{3+} Ions in TiO_2 - ZrO_2 - Al_2O_3 - SiO_2 Glasses," *Journal of Alloys and Compounds*, **845**, 408-412 (2006).
89. Masayuki Nogami, **Go Kawamura**, Gil Jae Park, Hongpeng You, and Tomokatsu, Hayakawa, "Effect of Al^{3+} and Ti^{4+} Ions on the Laser Reduction of Sm^{3+} Ion in Glass," *Journal of Luminescence*, **114**[3-4], 178-186 (2005).

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