

CURRICULUM VITAE

Go KAWAMURA, Ph.D.

Assistant Professor

Department of Electrical and Electronic Information Engineering

Toyohashi University of Technology

1-1 Hibarigaoka Tempaku-cho Toyohashi, Aichi, Japan 441-8580

TEL: +81(532)-44-6796 / **FAX:** +81(532)-48-5833

E-mail: gokawamura@ee.tut.ac.jp **URL:** <http://ion.ee.tut.ac.jp>

Nationality: Japanese **Date of Birth:** 12/12/1981



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)*”

Employment Record

- 2017-2018* Visiting Scientist (6 months), 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- Assistant Professor (8 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

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 (21)

1. **Grant-in-Aid for Scientific Research (C) 18K04701**, Japan Society for the Promotion of Science (JSPS), Apr 2018 – Mar 2021.
2. **Research Grant**, IKETANI Science and Technology Foundation, Apr. 2018.
3. **Grant for Travel Expense**, The NAGAI Foundation for Science & Technology, Jun. 2017.
4. **Research Activation Grant**, Toyohashi University of Technology, Jun. 2017 – Mar. 2018.
5. **Grant for Travel Expense**, Toyoaki Scholarship Foundation, Oct. 2016.
6. **Research Grant**, The Nitto Foundation, Oct. 2016 – Sep. 2017.
7. **Research Grant**, The Mazda Foundation, Oct. 2016 – Mar. 2018.
8. **Research Grant**, Foundation of Public Interest, Tatematsu Foundation, Aug. 2014 – Mar. 2015.
9. **Research Grant**, Nippon Sheet Glass Foundation for Materials Science and Engineering, May 2014 –

Mar. 2015.

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

Invited Talks (18, including 9 international conferences)

1. **Go Kawamura**, “Introduction of University and Research,” *Lecture Meeting for future collaboration*, Duy Tan University, Da Nang, Viet Nam (2017,5,23-25).
2. **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)
3. **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)
4. **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).
5. **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).
6. **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).
7. **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).
 8. **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).
 9. **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).
 10. **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).
 11. **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).
 12. **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).
 13. **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).
 14. **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).
 15. **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).
 16. **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).
 17. **Go Kawamura**, “Liquid Phase Synthesis of Morphology-Controlled Metal Nanoparticles and Their Assemblies,” *Lecture meeting*, University Sains Malaysia. Penang, Malaysia (2012.3.12-14).
 18. **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 (98, including 26 first-author papers, *h*-index: 18 (by Google Scholar))

1. **Go Kawamura**, Tomoki Arai, Hiroyuki Muto, and Atsunori Matsuda, "Charge behavior in plasmonic photocatalyst composed of Au and TiO₂," *Catalysis Science & Technology*, **8**, 1813-1818 (2018).
2. Pascal Nbelayim, **Go Kawamura**, Mohamed Mubark Abdel-Galeil, Wai Kian Tan, Xing Wei, Hiroyuki Muto, and Atsunori Matsuda, "Effects of multi-sized and -shaped Ag@TiO₂ nanoparticles on the performance of plasmonic dye-sensitized solar cells," *Journal of the Ceramic Society of Japan*, **126**, 139-151 (2018).
3. Mohamed Abd Amer, Atsunori Matsuda, **Go Kawamura**, Reda El-Shater, Tallat Meaz, and Fatma Fakhry, "Structural, magnetic, vibrational and optical studies of structure transformed spinel Fe²⁺-Cr nano-ferrites by sintering process," *Journal of Alloys and Compounds*, **735**, 975-985 (2018).
4. Pascal Nbelayim, **Go Kawamura**, Wai Kian Tan, Hiroyuki Muto, and Atsunori Matsuda, "Systematic characterization of the effect of Ag@TiO₂ nanoparticles on the performance of plasmonic dye-sensitized solar cells," *Scientific Reports*, **7**, 15690_1-12 (2017).
5. Wai Kian Tan, Takuya Ito, **Go Kawamura**, Hiroyuki Muto, Zainovia Lockman, and Atsunori Matsuda, "Controlled facile fabrication of plasmonic enhanced Au-decorated ZnO nanowire arrays dye-sensitized solar cells," *Materials Today Communications*, **13**, 354-358 (2017).
6. Pascal Nbelayim, Hisatoshi Sakamoto, **Go Kawamura**, Hiroyuki Muto, and Atsunori Matsuda, "Preparation of hermally and chemically robust superhydrophobic coating from liquid phase deposition and low voltage reversible electrowetting," *Thin Solid Films*, **636**, 273-282 (2017).
7. Mohamed Abd Amer, Atsunori Matsuda, **Go Kawamura**, Reda El-Shater, Tallat Meaz, and Fatma Fakhry, "Characterization and structural and magnetic studies of as-synthesized Fe²⁺Cr_xFe_(2-x)O₄ nanoparticles," *Journal of Magnetism and Magnetic Materials*, **439**, 373-383 (2017).
8. 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*, **80**, 494-501 (2017).
9. Yusuke Daiko, Jochen Schmidt, **Go Kawamura**, Stefan Romeis, Doris Segets, Yuji Iwamoto, and Wolfgang Peukert, "Mechanochemically induced sulfur doping in ZnO via oxygen vacancy formation," *Physical Chemistry Chemical Physics*, **19**, 13838-13845 (2017).
10. 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*, **343**, 33-39 (2017).
11. 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).

12. Shota Azuma, Kota Aiyama, **Go Kawamura**, Hiroyuki Muto, Takanori Mizushima, Tetsuo Uchikoshi, and Atsunori Matsuda, "Colloidal processing of $\text{Li}_2\text{S-P}_2\text{S}_5$ 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).
13. Monna Rozana, Nurul Izza Soaid, Tan Wai Kian, **Go Kawamura**, Atsunori Matsuda, and Zainovia Lockman, "Photocatalytic performance of freestanding tetragonal zirconia nanotubes formed in $\text{H}_2\text{O}_3/\text{NH}_4\text{F}$ /ethylene glycol electrolyte by anodisation of zirconium," *Nanotechnology*, **28**, 155604_1-15 (2017).
14. Xing Wei, Pascal Sugri Nbelayim, **Go Kawamura**, Hiroyuki Muto, and Atsunori Matsuda, "Ag nanoparticle-filled TiO_2 nanotube arrays prepared by anodization and electrophoretic deposition for dye-sensitized solar cells," *Nanotechnology*, **28**, 135207_1-8 (2017).
15. Kazushi Hayashi, Yasutaka Maeda, Tsubasa Suzuki, Hisatoshi Sakamoto, Toshihiro Kugimiya, Wai Kian Tan, **Go Kawamura**, Hiroyuki Muto, Atsunori Matsuda, "Development of iron-based rechargeable batteries with sintered porous iron electrodes," *ECS Transactions*, **75**[18], 111-116 (2017).
16. Nyein Nyein, Wai Kian Tan, **Go Kawamura**, Atsunori Matsuda, and Zainovia Lockman, "Anodic Ag/TiO_2 nanotube array formation in NaOH /fluoride/ethylene glycol electrolyte as a photoanode for dye-sensitized solar cells," *Nanotechnology*, **27**, 355605_1-11 (2016).
17. Mustaffa Ali Azhar Taib, **Go Kawamura**, Atsunori Matsuda, Mariatti Jaafar, Khairunisak Abdul Razak, and Zainovia Lockman, "Synthesis of TiO_2 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).
18. **Go Kawamura**, "Au/Ag nanoparticle-deposited $\text{SiO}_2/\text{TiO}_2$ porous supports with various localized surface plasmon resonance-related properties," *Journal of Ceramic Society of Japan*, **124**, 757-762 (2016).
19. 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).
20. Teruhisa Okuno, **Go Kawamura**, Hiroyuki Muto, and Atsunori Matsuda, "Photocatalytic properties of Au-deposited mesoporous $\text{SiO}_2\text{-TiO}_2$ photocatalyst under simultaneous irradiation of UV and visible light," *Journal of Solid State Chemistry*, **235**, 132-138 (2016).
21. **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).
22. **Go Kawamura**, "Ag-doped inorganic-organic hybrid films for rewritable hologram memory application," *Journal of Sol-Gel Science and Technology*, **79**, 374-380 (2016).
23. **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).

24. 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).
25. **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**)
26. **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).
27. 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).
28. 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).
29. 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).
30. **Go Kawamura**, Hiroyuki Muto, and Atsunori Matsuda, "Hard Template Synthesis of Metal Nanowires," *Frontiers in Chemistry*, **2**, 104_1-4 (2014).
31. 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).
32. 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).
33. 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).
34. 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).
35. 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).

36. 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).
37. 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).
38. **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).
39. 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).
40. **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).
41. 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).
42. 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).
43. 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).
44. 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).
45. 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).
46. Song-Yul Oh, Takuya Kikuchi, **Go Kawamura**, Hiroyuki Muto, and Atsunori Matsuda, "Proton Conductive Composite Electrolytes in the KH₂PO₄-H₃PW₁₂O₄₀ System for H₂/O₂ Fuel Cell Operation," *Applied Energy*, **112**, 1108-1114 (2013).

47. 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).
48. **Go Kawamura**, Ryota Yoshimura, Kazunari Ota, Song-Yul Oh, Hiroyuki Muto, Tomokatsu Hayakawa, and Atsunori Matsuda, "Extraction of Nd³⁺-doped LiYF₄ phosphor from sol-gel-derived oxyfluoride glass ceramics by hydrofluoric acid treatment," *Optical Materials*, **35**[11], 1879-1881 (2013).
49. 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).
50. 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).
51. Mun Teng Soo, **Go Kawamura**, Hiroyuki Muto, Atsunori Matsuda, Zainovia Lockman, and Kuan Yew Cheong, "Fabrication of Well-Crystallized Mesoporous ZrO₂ Thin Films via Pluronic P123 Templated Sol-Gel Route," *Ceramics Internationals*, **39**[1], S437-S440 (2013).
52. 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).
53. **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).
54. **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).
55. Warapong Krengvirat, Srimala Sreekantan, Ahmad-Fauzi Mohd Noor, Nobuaki Negishi, **Go Kawamura**, Hiroyuki Muto, and Atsunori Matsuda, "Low-Temperature Crystallization of TiO₂ Nanotube Arrays via Hot Water Treatment and Their Photocatalytic Properties under Visible-Light Irradiation," *Materials Chemistry and Physics*, **137**[3], 991-998 (2013).
56. Warapong Krengvirat, Srimala Sreekantan, Ahmad-Fauzi Mohd Noor, **Go Kawamura**, Hiroyuki Muto, and Atsunori Matsuda, "Single-Step Growth of Carbon and Potassium-Embedded TiO₂ Nanotube Arrays for Efficient Photoelectrochemical Hydrogen Generation," *Electrochimica Acta*, **89**, 585-593 (2013).
57. Mun Teng Soo, **Go Kawamura**, Hiroyuki Muto, Atsunori Matsuda, Zainovia Lockman, and Kuan Yew Cheong, "Design of Hierarchically Meso-Macroporous Tetragonal ZrO₂ Thin Films with Tunable Thickness by Spin-Coating via Sol-Gel Template Route," *Microporous and Mesoporous Materials*, **167**, 198-206 (2013).

58. 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).
59. 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).
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