

CURRICULUM VITAE

Go KAWAMURA, Ph.D.

Associate 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: kawamura.go.km@tut.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

- 2019- Associate Professor (1 yr 3 months), 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 (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 (14)

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

Grants (25)

1. **Research Grant**, The Naito Foundation, 1 million yen, Apr. 2020.
2. **Research Grant**, Takahashi Industrial and Economic Research Foundation, 2 million yen, Apr. 2020 – Mar. 2022.

3. *Research Grant*, Foundation of Special Interest, Tatematsu Foundation, 3 million yen, Aug. 2019 – Jul. 2022.
4. *Grant for Travel Expense*, Tokuyama Science Foundation, 0.2 million yen, Aug. 2019.
5. *Grant-in-Aid for Scientific Research (C) 18K04701*, Japan Society for the Promotion of Science (JSPS), 4.4 million yen, Apr 2018 – Mar 2021.
6. *Research Grant*, IKETANI Science and Technology Foundation, 1 million yen, Apr. 2018.
7. *Grant for Travel Expense*, The NAGAI Foundation for Science & Technology, 0.3 million yen, Jun. 2017.
8. *Research Activation Grant*, Toyohashi University of Technology, 0.6 million yen, Jun. 2017 – Mar. 2018.
9. *Grant for Travel Expense*, Toyoaki Scholarship Foundation, 2000 USD, Oct. 2016.
10. *Research Grant*, The Nitto Foundation, 1 million yen, Oct. 2016 – Sep. 2017.
11. *Research Grant*, The Mazda Foundation, 1 million yen, Oct. 2016 – Mar. 2018.
12. *Research Grant*, Foundation of Public Interest, Tatematsu Foundation, 1 million yen, Aug. 2014 – Mar. 2015.
13. *Research Grant*, Nippon Sheet Glass Foundation for Materials Science and Engineering, 1 million yen, May 2014 – Mar. 2015.
14. *Research Grant*, The Murata Science Foundation, 1.5 million yen, Jun. 2012 – Mar. 2013.
15. *Collaboration Research Grant*, Network Joint Research Center for Advanced Materials and Devices, 0.085 million yen, Apr. 2012 – Mar. 2013.
16. *Research Grant*, Tokai Foundation for Technology, 0.6 million yen, Apr. 2012 – Mar. 2013.
17. *Research Grant*, The Ogasawara Foundation for the Promotion of Science & Engineering, 3 million yen, Jan. 2012 – Dec. 2012.
18. *Adaptable and Seamless Technology Transfer Program through Target-driven R&D*, Japan Science and Technology Agency, 1.7 million yen, Dec. 2011 – Jul. 2012.
19. *Research Activation Grant*, Toyohashi University of Technology, 1 million yen, Jun. 2011 – Mar. 2012.
20. *Research Grant*, Izumi Science and Technology Foundation, 1 million yen, Nov. 2010 – Oct. 2011.
21. *Grant for Travel Expense*, The Murata Science Foundation, 0.2 million yen, Jun. 2010.
22. *Grant-in-Aid for Young Scientists (B) 22760539*, Japan Society for the Promotion of Science (JSPS), 4 million yen, Apr 2010 – Mar 2013.
23. *Project Research Grant for Young Researcher*, Research Center for Future Technology in Toyohashi University of Technology, 2 million yen, Sep 2009 – Mar 2012.
24. *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.
25. *Research Activation Grant*, Toyohashi University of Technology, 1 million yen, Jun 2009 - Mar 2010.

Invited Talks (25, including 13 international conferences)

1. **Go Kawamura**, "Liquid phase fabrication of multiferroic nanocomposite films," The 20th International Sol-Gel Conference, St. Petersburg, Russia (2019.8.25-30).
2. **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).
3. **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).
4. **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).
5. **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).
6. **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).
7. **Go Kawamura**, "Recent study on dye-sensitized solar cells," 4th EIIRIS intelligent sensor and MEMS workshop, Toyohashi, Japan (in Japanese, 2018.5.22).
8. **Go Kawamura**, "Introduction of University and Research," *Lecture Meeting for future collaboration*, Duy Tan University, Da Nang, Viet Nam (2017,5,23-25).
9. **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)
10. **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)
11. **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).
12. **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).
13. **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).
14. **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).

15. **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).
16. **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).
17. **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).
18. **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).
19. **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).
20. **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).
21. **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).
22. **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).
23. **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).
24. **Go Kawamura**, "Liquid Phase Synthesis of Morphology-Controlled Metal Nanoparticles and Their Assemblies," *Lecture meeting*, University Sains Malaysia. Penang, Malaysia (2012.3.12-14).
25. **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 (135, including 31 first-author papers, *h*-index: 22 (by Google Scholar))

1. **Go Kawamura**, Irna Puteri Binti Shahbudin, Wai Kian Tan, Taichi Goto, Yuichi Nakamura, Mitsuteru Inoue, Hiroyuki Muto, Kazuhiro Yamaguchi, Aldo R. Boccaccini, and Atsunori Matsuda, "Development of liquid phase fabrication of nanotube array-based multiferroic nanocomposite film," submitted.
2. Rajesh Kumar, Sumanta Sahoo, Ednan Joanni, Rajesh Kumar Singh, Keiichiro Maegawa, Wai Kian Tan, **Go Kawamura**, Kamal K. Kar and Atsunori Matsuda, "Heteroatom doped graphene engineering for energy storage and conversion," *Materials Today*, In Press.
3. Mustaffa Ali Azhar Taib, Nurhaswani Alias, Mariatti Jaarar, Khairunisak Abdul Razak, Wai Kian Tan, Irna Puteri Shahbudin, **Go Kawamura**, Atsunori Matsuda, Zainovia Lockman, "Grassy TiO₂ nanotubes thin film formation by anodisation in peroxide-electrolyte for Cr(VI) removal under ultraviolet radiation," *Nanotechnology*, In Press.
4. M. Abd Elkodous, Gharieb S. El-Sayyad, Sally M. Youssry, Hanady G. Nada, Mohamed Gobara, Mohamed A. Elsayed, Ahmed M. El-Khawaga, **Go Kawamura**, Wai Kian Tan, Ahmed I. El-Batal and Atsunori Matsuda, "Carbon-dot-loaded Co_xNi_{1-x}Fe₂O₄; x = 0.9/SiO₂/TiO₂ nanocomposite with enhanced photocatalytic and antimicrobial potential: An engineered nanocomposite for wastewater treatment," *Scientific Reports*, **10**, 11534(pp) (2020).
5. Rajesh Kumar, Sally M. Youssry, Han Min Soe, Mohamed Mubark Abdel-Galeil, **Go Kawamura** and Atsunori Matsuda, "Honeycomb-like open-edged reduced-graphene-oxide-enclosed transition metal oxides (NiO/Co₃O₄) as improved electrode materials for high-performance supercapacitor," *Journal of Energy Storage*, **30**, 101539(12pp) (2020).
6. Pascal Nbelayim, Yuya Ashida, Keiichiro Maegawa, **Go Kawamura**, Hiroyuki Muto, Atsunori Matsuda, "Preparation and characterization of stable and active Pt@TiO₂ core-shell nanoparticles as electrocatalyst for application in PEMFCs," *ACS Applied Energy Materials*, **3**(4), 3269-3281 (2020).
7. Nurulhuda Bashirum, Wai Kian Tan, **Go Kawamura**, Atsunori Matsuda and Zainovia Lockman, "Comparison of ZrO₂, TiO₂, and α-Fe₂O₃ nanotube arrays on Cr(VI) photoreduction fabricated by anodization of Zr, Ti, and Fe foils," *Materials Research Express*, **7**(5), 055013(9pp) (2020).
8. Sally M. Youssry, I.S. El-Hallag, Rajesh Kumar, **Go Kawamura**, Atsunori Matsuda and Marwa N. El-Nahass, "Synthesis of mesoporous Co(OH)₂ nanostructure film via electrochemical deposition using lyotropic liquid crystal template as improved electrode materials for supercapacitors application," *Journal of Electroanalytical Chemistry*, **857**, 113728(10pp) (2020).
9. Atsushi Yokoi, Wai Kian Tan, Taichi Kuroda, **Go Kawamura**, Atsunori Matsuda and Hiroyuki Muto, "Design of heat-conductive hBN-PMMA composites by electrostatic nano-assembly," *Nanomaterials*, **10**, 134(9pp) (2020).
10. Yve Xian Ooi, Kyaw Zay Ya, Keiichiro Maegawa, Wai Kian Tan, **Go Kawamura**, Hiroyuki Muto and Atsunori Matsuda, "Incorporation of titanium pyrophosphate in polybenzimidazole membrane for medium temperature dry PEFC application," *Solid State Ionics*, **344**, 115140(7pp) (2020).
11. Rajesh Kumar, Sally M. Youssry, Kyaw Zay Ya, Wai Kian Tan, **Go Kawamura** and Atsunori Matsuda, "Microwave-assisted synthesis of Mn₃O₄-Fe₂O₃/Fe₃O₄@rGO ternary hybrids and electrochemical performance for supercapacitor electrode," *Diamond & Related Materials*, **101**, 107622(9pp) (2020).

12. Subagia Toto Rahmat, Wai Kian Tan, **Go Kawamura**, Atsunori Matsuda and Zainovia Lockman, "Synthesis of rutile TiO₂ nanowires by thermal oxidation of titanium in the presence of KOH and their ability to photoreduce Cr(VI) ions," *Journal of Alloys and Compounds*, **812**, 152094(8pp) (2020).
13. Kentaro Oura, **Go Kawamura**, Wai Kian Tan, Kazuhiro Yamaguchi, Hiroyuki Muto and Atsunori Matsuda, "Liquid phase synthesis and morphological observation of BaTiO₃-CoFe₂O₄ nanocomposite films," *Journal of Nanoscience and Nanotechnology*, **20**, 510-515 (2020).
14. Wai Kian Tan, Hiroyuki Muto, Takuya Ito, **Go Kawamura**, Zainovia Lockman and Atsunori Matsuda, "Facile fabrication of plasmonic enhanced noble-metal-decorated ZnO nanowire arrays for dye-sensitized solar cells," *Journal of Nanoscience and Nanotechnology*, **20**, 359-366 (2020).
15. **Go Kawamura** and Atsunori Matsuda, "Synthesis of Plasmonic photocatalysts for water splitting," *Catalysts*, **9**, 982(13pp) (2019).
16. Yve Xian Ooi, Kyaw Zai Ya, Keiichiro Maegawa, Wai Kian Tan, **Go Kawamura**, Hiroyuki Muto and Atsunori Matsuda, "CHS-WSiA doped hexafluoropropylidene-containing polybenzimidazole composite membranes for medium temperature dry fuel cells," *International Journal of Hydrogen Energy*, **44**, 32201-32209 (2019).
17. Wai Kian Tan, Yuichi Araki, Atsushi Yokoi, **Go Kawamura**, Atsunori Matsuda and Hiroyuki Muto, "Micro- and nano-assembly of composite particles by electrostatic adsorption," *Nanoscale Research Letters*, **14**, 297(9pp) (2019).
18. Wai Kian Tan, Atsushi Yokoi, **Go Kawamura**, Atsunori Matsuda and Hiroyuki Muto, "PMMA-ITO composite formation via electrostatic assembly method for infra-red filtering," *Nanomaterials*, **9**, 886(9pp) (2019).
19. **Go Kawamura**, Kentaro Oura, Wai Kian Tan, Taichi Goto, Yuichi Nakamura, Daisaku Yokoe, Francis Leonard Deepak, Khalil El Hajraoui, Xing Wei, Mitsuteru Inoue, Hiroyuki Muto, Kazuhiro Yamaguchi, Aldo R. Boccaccini, and Atsunori Matsuda, "Nanotube array-based barium titanate-cobalt ferrite composite film for affordable magnetoelectric multiferroics," *Journal of Materials Chemistry C*, **7**, 10066-10072 (2019).
20. Wai Kian Tan, Norio Hakiri, Atsushi Yokoi, **Go Kawamura**, Atsunori Matsuda, and Hiroyuki Muto, "Controlled microstructure and mechanical properties of Al₂O₃-based nanocarbon composites fabricated by electrostatic assembly method," *Nanoscale Research Letters*, **14**, 245(7pp) (2019).
21. Kyaw Zay Ya, Pascal Nbelayim, Takuya Kikuchi, Keiichiro Maegawa, **Go Kawamura**, Hiroyuki Muto, and Atsunori Matsuda, "Effect of mixed alkali metal ions in highly proton conductive K/Cs-hydrogen sulfate-phosphotungstic acid composites prepared by mechanical milling," *Solid State Ionics*, **340**, 115022(8pp) (2019).
22. Keiichiro Maegawa, Kyaw Zay Ya, Wai Kian Tan, **Go Kawamura**, Toshiaki Hattori, Hiroyuki Muto, and Atsunori Matsuda, "Enhancement of interfacial property by novel solid ionomer CsHSO₄-H₄SiW₁₂O₄₀ for the three-phase interface of a medium-temperature anhydrous fuel cell," *Materials Letters*, **253**, 201-204 (2019).

23. Kyaw Zay Ya, Pascal Nbelayim, **Go Kawamura**, Hiroyuki Muto, and Atsunori Matsuda, "Anhydrous proton conductive $x\text{CHS}-(1-x)\text{WSiA}$ composites prepared via liquid-phase shaking," *Solid State Ionics*, **337**, 1-6 (2019).
24. Wai Kain Tan, Yuya Wada, Kazushi Hayashi, **Go Kawamura**, Hiroyuki Muto, and Atsunori Matsuda, "Fabrication of an all-solid-state Zn-air battery using electroplated Zn on carbon paper and KOH-ZrO₂ solid electrolyte," *Applied Surface Science*, **487**, 343-348 (2019).
25. Wai Kain Tan, Kenta Asami, Yasutaka Maeda, Kazushi Hayashi, **Go Kawamura**, Hiroyuki Muto, and Atsunori Matsuda, "Facile formation of Fe₃O₄-particles decorated carbon paper and its application for all-solid-state rechargeable Fe-air battery," *Applied Surface Science*, **486**, 257-264 (2019).
26. Wai Kain Tan, Yuichiro Shigeta, Atsushi Yokoi, **Go Kawamura**, Atsunori Matsuda, and Hiroyuki Muto, "Investigation of the anchor layer formation on different substrates and its feasibility for optical properties control by aerosol deposition," *Applied Surface Science*, **483**, 212-218 (2019).
27. Takaya Kuwana, Wai Kian Tan, Atsushi Yokoi, **Go Kawamura**, Atsunori Matsuda, and Hiroyuki Muto, "Fabrication of carbon-decorated Al₂O₃ composite powders using cellulose nanofiber for selective laser sintering," *Journal of the Japan Society of Powder and Powder Metallurgy*, **66**(4), 168-173 (2019).
28. Reda El-Shater, **Go Kawamura**, Fatma Fakhry, Tallat Meaz, Mohamed Abd Amer, and Atsunori Matsuda, "Structural phase transition of spinel to hematite of as-prepared Fe²⁺-Cr nanoferrites by sintering temperature," *Measurement: Journal of the International Measurement Confederation*, **132**, 272-281 (2019).
29. **Go Kawamura**, Kazuhiro Ohara, Wai Kian Tan, Taichi Goto, Yuichi Nakamura, Mitsuteru Inoue, Hiroyuki Muto, Kazuhiro Yamaguchi, Aldo R. Boccaccini, and Atsunori Matsuda, "Multiferroic nanocomposite fabrication via liquid phase using anodic alumina template," *Science and Technology of Advanced Materials*, **19**(1), 535-542 (2018).
30. Muhammad Afiq Zulkifli, Nurulhuda Bashirorm, Wai Kian Tan, **Go Kawamura**, Atsunori Matsuda, Zainovia Lockman, "Rapid TiO₂ nanotubes formation in aged electrolyte and their application as photocatalysts for Cr(VI) reduction under visible light," *IEEE Transactions on Nanotechnology*, **17**(6)8374900, 1106-1110 (2018).
31. Kyaw Zay Ya, Keisuke Kumazawa, **Go Kawamura**, Hiroyuki Muto, Atsunori Matsuda, "Cell performance enhancement with titania-doped polybenzimidazole based composite membrane in intermediate temperature fuel cell under anhydrous condition," *Journal of the Ceramic Society of Japan*, **126**(10), 789-793 (2018).
32. Nurulhuda Bashirorm, Tan Wai Kian, **Go Kawamura**, Atsunori Matsuda, Khairunisak Abdul Razak, Zainovia Lockman, "Sunlight activate anodic freestanding ZrO₂ nanotube arrays for Cr(VI) photoresuction," *Nanotechnology*, **29**(37), 375701(13pp) (2018).
33. Eka Cahya Prima, Brian Yulianto, Ahmad Nuruddin, **Go Kawamura**, Atsunori Matsuda, "A combined spectroscopic and TDDFT study of single-double anthocyanins for application in dye-sensitized solar cell," *New Journal of Chemistry*, **42**, 11616-11628 (2018).

34. Pascal Nbelayim, **Go Kawamura**, Wai Kian Tan, Hiroyuki Muto, and Atsunori Matsuda*, "Ag@TiO₂ nanowires-loaded dye-sensitized solar cells and their effect on the various performance parameters of DSSCs," *Journal of The Electrochemical Society*, **165**(9), H500-H509 (2018).
35. **Go Kawamura**, Kazuhiro Ohara, Wai Kian Tan, Hiroyuki Muto, Kazuhiro Yamaguchi, Aldo R. Boccaccini, and Atsunori Matsuda, "Sol-gel template synthesis of BaTiO₃ films with nano-periodic structure," *Materials Letters*, **227**, 120-123 (2018).
36. **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).
37. Wai Kian Tan, Kentaro Oura, **Go Kawamura**, Aldo R. Boccaccini, and Atsunori Matsuda, "Preparation of BaTiO₃ nanotube arrays, CoFe₂O₄ nanoparticles and their composites," *ECS Transactions*, **82**, 51-57 (2018).
38. 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).
39. 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).
40. Mohamed Abd Amer, Atsunori Matsuda, **Go Kawamura**, Tallat Meaz, Reda El-Shater, and Fatma Fakhry, "Sintering effect on magnetite-to-hematite structural conversion of as-prepared Fe²⁺Cr_{0.2}Fe_{1.8}O₄ nano-ferrites," *Key Engineering Materials*, **765**, 24-29 (2018).
41. 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).
42. 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).
43. 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).
44. 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).
45. 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).

46. 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).
47. 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).
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