

5-2. Internationally Collaborated Papers by IROAST Young Internship Researchers and their Host Professors

Haridiansyah, A.& Tetsuya KIDA

A Hardiansyah*, GK Sunnardianto, SA Pradanawati, DM Aditya, T Kida***, T-Y Liu
“Investigating the impact of nitrogen-doping on the characteristics and performance of reduced graphene oxide for lithium-ion batteries anode through experimental and theoretical study” *Materials Today Communications* 38, 107740 (2024)

*Internship student (2020.1.6 ~ 2020.2.28) in IROAST Research Internship Program

**Host professor at Kumamoto University

A Hardiansyah*, GMA Saputra, H Hikmat, YE Kusfarida, NLW Septiani, A Randy, A Hermawan, B Yulianto, T-Y Liu, T Kida** Electrochemical evaluation of magnetic reduced graphene oxide nanosheet-modified glassy carbon electrode on dopamine electrochemical sensor for Parkinson's diagnostic application, *Journal of the Chinese Chemical Society* 70 (8), 1665-1682 (2023)

*Internship student (2020.1.6 ~ 2020.2.28) in IROAST Research Internship Program

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Kosuke Sonda, Taiga Kodama, Maria Drira Wea Siga, Keigo Masumoto, Masaru Iwai, Muhammad Fadil, Muhammad Sohail Ahmad, Jonas Karl Christopher Agutaya, Yusuke Inomata, Armando T. Quitain, Andri Hardiansyah*, and Tetsuya Kida** Selective Detection of CO Using Proton-Conducting Graphene Oxide Membranes with Pt-Doped SnO₂ Electrocatalysts: Mechanistic Study by Operando DRIFTS *ACS Applied Materials & Interfaces* 2023, 15, 45, 52724-52734

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Rahmat Hidayat & Shin-Ichi OHIRA

Rahmat Hidayat*, Ganjar Fadillah, Shin-Ichi Ohira, Glass tube-coated TiO₂ nanostructure for degradation of methylene blue: an experimental and design of column photocatalytic reactor, *Indonesian Journal of Chemical Analysis (IJCA)*, 6(1), 52–62 (2023).

*Internship students (2022.11.25-2023.1.31 (onsite: 2022.12.5-2023.1.25)) in IROAST Research Internship Program **Host professor at Kumamoto University

**Published in the previous fiscal year, but included in this report due to being unlisted in the previous year.*

Yunjian HE & Gaochuang CAI

Zhu, H., He, Y*, Cai, G.**, Cheng, S., Zhang, Y., & Larbi, A. S. (2023). Bond performance of carbon fiber reinforced polymer rebars in ultra-high-performance concrete. *Construction and Building Materials*, 387, 131646.2023.7 (IF:7.3)

*Internship student (2022.01.20-2022.02.25 [online]) in IROAST Research Internship Program **Host professor at Kumamoto University,

Fuchao ZHAO & Gaochuang CAI

F. Zhao*, F Xiong, G. Cai, Q. Ge, Si Larbi, A. (2023). Seismic behavior and simplified hysteretic model of precast concrete wall panels with bolted connections under cyclic loading. *Engineering Structures* 292, 1, 116562.2023.10

*Internship student (2022.01.20-2022.02.25 [online]) in IROAST Research Internship Program **Host professor at Kumamoto University

Zhe ZHANG, ZHAO, Yang & Atsushi SAINOKI

Zhang, Zhe*; Jiang, Lishuai; Li, Chunang; Zhao, Yang*; Sainoki, Atsushi**; Gong, Xuanlin, “Characteristics and mechanism of time on sand powder 3D printing rock analogue: a new method for fractured rock mechanics,” *Geomechanics and Geophysics for Geo-Energy and Geo-Resources*, 9, 166 (2023)

*Internship students (1st: 2022.12.6-2022.12.7/2023.5.22-2023.6.16, 2nd: 2023.07.24-2023.10. 27) in IROAST Research Internship Program **Host professor at Kumamoto University