

### 5-3. Internationally Collaborated Papers by IROAST Visiting Professors and their Host Professors

#### **Paul BOWEN and Yoji MINE**

S. Ueki, Y. Mine, Y.L. Chiu, P. Bowen, K. Takashima, Effects of crystallographic orientation and lamellar configuration on fatigue crack propagation in single-colony structures of Ti–6Al–4V alloy: Alternating shear crack growth vs. damage accumulation crack propagation, *Mater. Sci. Eng. A*, 890, 145885 (2024).

#### **Tomoyasu MANI and Yutaka KUWAHARA**

Miu Tsuji, Sara Abuhadba, Angela Chen, Mio Ito, Amrita Makhijani, Yutaka Kuwahara, Tatiana Esipova, and Tomoyasu Mani\*, Red-Colored Circularly Polarized Luminescence from a Benzo-Fused BODIPY-BINOL Complex, *The Journal of Physical Chemistry B* 127, 45, 9781-9787, 2023.

#### **Reiko ODA and Makoto TAKAFUJI**

N. Ryu, Y. Yamamoto, Y. Okazaki, N. Hano, Y. Iwamoto, T. Shirosaki, S. Nagaoka, R. Oda, H. Ihara, M. Takafuji, Controlled packing of chiral assembly scaffolds to promote chiral J-aggregation of carbocyanine dyes, *Chemical Communications*, 59, 11979-11982, 2023.

K. Yoshida, Y. Kuwahara, N. Hano, Y. Horie, M. Takafuji, N. Ryu, S. Nagaoka, R. Oda, H. Ihara, Chiral H-aggregation-induced large stokes shift with CPL generation assisted by  $\alpha$ -helical poly(L-lysine) substructure, *Chirality*, 35 (7), 411-417, 2023.

P. Pranee, A. Scalabre, C. Labrugere, N. Ryu, A. Yano, N. Hano, D. Talaga, Y. Okazaki, E. Pouget, S. Nlate, S. Bonhommeau, M. Takafuji, T. Wada, H. Ihara, T. Buffeteau, D. M Bassani, R. Oda, Sequential chiral induction between organic and inorganic supramolecular helical assemblies for the *in situ* formation of chiral carbon dots, *Chemical Communications*, 59, 9762-9765, 2023.

#### **Amir SI LARBI & Gaochuang CAI**

Junaid, K. \*, Zyed, M., Nonna, A., Cai, G, Si Larbi, A. Tensile and cracking behaviour of crimped textile reinforced mortar (TRM) based on digital image correlation. *Construction and Building Materials*, 417, 135321.2024.2 (2024).

F. Zhao, F. Xiong, G. Cai, Q. Ge, Si Larbi, A. Seismic behavior and simplified hysteretic

model of precast concrete wall panels with bolted connections under cyclic loading. *Engineering Structures* 292, 1, 116562.2023.10 (2023).

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

Cai, G., Fujinaga, T., Si Larbi, A., Wen, Y., & Malla, P. B. Cyclic behavior of RCFT columns with large D/t ratio steel tubes: Effect of reinforcement arrangement. *Bulletin of Earthquake Engineering*, 21(9), 4565-4588.2023.7 (2023).