

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

### **Xiangsheng DENG & Gaochuang CAI**

Jun ZHAO, Xiangsheng DENG, Gaochuang CAI, Amir SI LARBI, Xiaotong LIU, Shear behavior of reinforced concrete beams with high-strength reinforcements after high temperatures, *Construction and Building Materials*, 447, 138071 (2024)

Jun Zhao, Yibo Jiang, Gaochuang Cai, Xiangsheng Deng, Amir Si Larbi, Flexural stiffness of RC beams with high-strength steel bars after exposure to elevated temperatures, *Structural Concrete*, 25(5), 3081-3102

### **Andri HARIDIANSYAH & Tetsuya KIDA**

Sohail Ahmad, M., Nishina, Y., Inomata, Y., Haridiansyah, A., & Kida, T., Synergistic Functionalization of Graphene Oxide: Electrochemical Devices and Ritter Catalysis, *The Journal of Physical Chemistry C*. 128, 14, 5860–5866 (2024)

### **Rahmat HIDAYAT & Shin-Ichi OHIRA**

Rahmat Hidayat, Ganjar Fadillah, Shin-Ichi Ohira, Febi Indah Fajarwati, Dian Ayu Setyorini, Anggi Saputra, Facile green synthesis of Ag doped TiO<sub>2</sub> nanoparticles using Maple leaf for bisphenol-A degradation and its antibacterial properties, *Materials Today Sustainability*, 26, 100752, 2024.

### **Mona PAKDEL & Hamid HOSANO**

M. Pakdel, Z. M-Nejad, R.K. Kermanshahi, N. Hosano, E.M. Qamsari, H. Hosano Keratin nanoparticles derived from feather waste for novel antibacterial delivery *International Journal of Biological Macromolecules*, 139676, 2025

### **Yue WEN & Gaochuang CAI**

Yue Wen, Gaochuang Cai, Prafulla Bahadur Malla, Hayato Kikuchi and Cheng Xie Seismic Behavior of Resilient Reinforced Concrete Columns with Ultra-High-Strength Rebars Under Strong Earthquake-Induced Multiple Reversed Cyclic Loading, *Buildings* 2024, 14(12), 3747

Yue Wen, Gaochuang Cai, and Prafulla Malla

Experimental and Transformer-Based Study on Seismic Behavior and Plastic Hinge Length of RC Columns Reinforced with End-Fixed Ultra-High Strength Rebars, *Buildings* 2024, 14(10), 3046, 2024

Gaochuang Cai, Yue Wen, Malla Prafulla, Takashi Fujinaga and Amir Si Larbi, Effect of axial load and shear span on seismic performance of CFT columns reinforced with end-fixed ultra-high strength rebars, *Bulletin of Earthquake Engineering*, 22(9), 4515–4543, 2024