3-3. IROAST Publication Support Program

No.	Name	Publication Information
3-3-1	**Shinichiro SAWA** FAST	Nakagami, S., Notaguchi, M., Kondo, T., Okamoto, S., Ida, T., Sato, Y., Higashiyama, T., Tsai, A, Y-L., Ishida, T., and Sawa, S. Root-knot nematode modulates plant CLE3-CLV1 signaling as a long-distance signal for successful infection. Science Adv. 9 (22) eadf4803 (2023)
3-3-2	**Takahiro HOSONO** FAST	Hosono, T., Taniguchi, K., Rahman, A.T.M.S., Yamamoto, T., Takayama, K., Yu, Z.-Q., Aihara, T., Ikehara, T., Amano, H., Tanimizu, M., Nakagawa, K., Stable N and O isotopic indicators coupled with social data analysis revealed long-term shift in the cause of groundwater nitrate pollution: insights into future water resource management. Ecological Indicators, 154, 110670 (2023)
3-3-3	**U. Rajendra ACHARYA** IROAST	Prabal Datta Barua, Makiko Kobayashi, Masayuki Tanabe, Mehmet Baygin, Jose Kunnel Paul, Thomas Iype, Sengul Dogan, Turker Tuncer, Ru San Tan, U. Rajendra Acharya, Innovative Fibromyalgia Detection Approach Based on Quantum-Inspired 3LBP Feature Extractor Using ECG Signal, IEEE Access 11, 101359-101372 (2023)
3-3-4	**Kei TODA** IROAST/FAST	Kei Toda*, Vladimir Obolkin, Shin-Ichi Ohira, Kentaro Saeki, Abundant production of dimethylsulfoniopropionate as a cryoprotectant by freshwater phytoplanktonic dinoflagellates in ice-covered Lake Baikal, Communications Biology, 6, Article number: 1194 (2023)
3-3-5	**Yoshihiro SEKINE** POIE	Assembling the Smallest Prussian Blue Analogs Using a Chiral Hydrogen-Bond-Donating Unit: Complete Phase Transition Induced by Hydrogen Bonding to a Chiral Carboxylic Acid *Support for proofreading costs **To be submitted to academic journal in July, 2024*
3-3-6	**Mitsuru SASAKI** IINa	Mei Matsumura, Jun Inagaki, Ryo Yamada, Natsuko Tashiro, Katsuya Ito, and Mitsuru Sasaki*, Material Separation from Polyester/Cotton Blended Fabrics Using Hydrothermal Treatment ACS Omega, 9(11), 13125–13133 (2024)
3-3-7	**Jonas Karl Christopher Nuevas AGUTAYA** IROAST	Takeshi Shinkai, Jonas Karl Christopher N. Agutaya*, Biplab Manna, Matthias Boepple, Masaru Iwai, Keigo Masumoto, Kanako Koga, Koki Kawanami, Yusui Nakamura, Armando T. Quitain, Koichi Suematsu, Yusuke Inomata, Nicolae Barsan, and Tetsuya Kida*, Ethanol Sensing Mechanism of ZnO Nanorods Revealed by DRIFT Spectroscopy and DFT Calculation, J. Mater. Chem. A, 12(13), 7564-7576, 2024
3-3-8	**Yutaka KUWAHARA** FAST	Control on chiroptical properties by anion exchange for electro-responsive chiroptical switchable materials of nano-fibrillar molecular gels ** Under submission to academic journal*

FAST：Faculty of Advanced Science and Technology

IINa: Institute of Industrial Nanomaterials