

薬科学講座 天然物化学分野

氏名	所属	職名	取得学位	専門分野	主な論文・著作・業績
浅野 孝	薬科学講座天然物化学分野	助教	博士（薬学）	天然資源系薬学、医療系薬学、生物分子化学	<p>①Ryo Nakabayashi, Yutaka Yamada, Tomoko Nishizawa, Tetsuya Mori, Takashi Asano, Masanari Kuwabara and Kazuki Saito: Tandem Mass Spectrum Similarity-Based Network Analysis Using ¹³C-Labeled and Non-labeled Metabolome Data to Identify the Biosynthetic Pathway of the Blood Pressure-Lowering Asparagus Metabolite Asparaptine A. <i>J. Agric. Food Chem.</i>, 69, 8571-8577 (2021)</p> <p>②Isao Fujii, Makoto Hashimoto, Kaori Konishi, Akiko Unezawa, Haruka Sakuraba, Kenta Suzuki, Harue Tsushima, Miho Iwasaki, Satsuki Yoshida, Akane Kudo, Rina Fujita, Aika Hichiwa, Koharu Saito, Takashi Asano, Jun Ishikawa, Daigo Wakana, Yukihiko Goda, Ayumi Watanabe, Mamoru Watanabe, Yui Masumoto, Junichiro Kanazawa, Hajime Sato and Masanobu Uchiyama: Functional Analysis of a Biosynthetic Gene Cluster Demonstrates Role of Spontaneous Double Bicyclo - ring Formation Including $8\pi-6\pi$ Electrocyclization in Shimalactone Biosynthesis. <i>Angew. Chem. Int. Ed.</i>, 59, 8464-8470 (2020)</p> <p>③Ryo Nakabayashi, Tomoko Nishizawa, Tetsuya Mori, Hiroshi Sudo, Isao Fujii, Takashi Asano and Kazuki Saito: Evaluating the sulfur-containing metabolite asparaptine in Asparagus calluses and suspension cells by untargeted metabolome analysis using liquid chromatography-tandem mass spectrometry. <i>Plant Biotech.</i>, 36, 265-267 (2019)</p> <p>④Takashi Asano, Kanae Kobayashi, Emi Kashihara, Hiroshi Sudo, Ryosuke Sasaki, Yoko Iijima, Koh Aoki, Daisuke Shibata, Kazuki Saito and Mami Yamazaki: Suppression of camptothecin biosynthetic genes results in metabolic modification of secondary products in hairy roots of <i>Ophiorrhiza pumila</i>. <i>Phytochemistry</i>, 91, 128-139 (2013).</p> <p>⑤平成27-29年度科学研究費補助金（若手研究B）「アルツハイマー病治療薬創製を志向した新規天然物リガンド生物合成システムの確立」</p>