

【原著論文】

<A02 班>

矢崎 一史

1. Kitajima, S., Aoki, W., Shibata, D., Nakajima, D., Sakurai, N., Yazaki, K., Munakata R., Taira, T., Kobayashi, M., Aburaya, S., Hibino S., Yano, H., “Comparative multi-omics analysis reveals diverse latex-based defense strategies against pests among latex-producing organs of the fig tree (*Ficus carica*)”, **Planta**, in press (2018).
2. Tsuno, Y., Fujimatsu, T., Endo, K., Sugiyama, A., Yazaki, K., “Soyasaponins, a new class of root exudates in soybean (*Glycine max*)”, **Plant Cell Physiol.**, 59 (2), 366-375 (2018).
3. Bowman, J. L., Kohchi, T., Yamato, K. T., Jenkins, J., Shu, S., Ishizaki, K., Yamaoka, S., Nishihama, R., Nakamura, Y., Berger, F., Adam, C., Aki, S. S., Althoff, F., Araki, T., Arteaga-Vazquez, M. A., Balasubramanian, S., Barry, K., Bauer, D., Boehm, C. R., Briginshaw, L., Caballero-Perez, J., Catarino, B., Chen, F., Chiyoda, S., Chovatia, M., Davies, K.M., Delmans, M., Demura, T., Dierschke, T., Dolan, L., Dorantes-Acosta, A. E., Eklund, D. M., Florent, S. N., Flores-Sandoval, E., Fujiyama, A., Fukuzawa, H., Galik, B., Grimanelli, D., Grimwood, J., Grossniklaus, U., Hamada, T., Haseloff, J., Hetherington, A. J., Higo, A., Hirakawa, Y., Hundley, H. N., Ikeda, Y., Inoue, K., Inoue, S. I., Ishida, S., Jia, Q., Kakita, M., Kanazawa, T., Kawai, Y., Kawashima, T., Kennedy, M., Kinose, K., Kinoshita, T., Kohara, Y., Koide, E., Komatsu, K., Kopischke, S., Kubo, M., Kyojuka, J., Lagercrantz, U., Lin, S. S., Lindquist, E., Lipzen, A. M., Lu, C. W., De Luna, E., Martienssen, R. A., Minamino, N., Mizutani, M., Mizutani, M., Mochizuki, N., Monte, I., Mosher, R., Nagasaki, H., Nakagami, H., Naramoto, S., Nishitani, K., Ohtani, M., Okamoto, T., Okumura, M., Phillips, J., Pollak, B., Reinders, A., Rövekamp, M., Sano, R., Sawa, S., Schmid, M. W., Shirakawa, M., Solano, R., Spunde, A., Suetsugu, N., Sugano, S., Sugiyama, A., Sun, R., Suzuki, Y., Takenaka, M., Takezawa, D., Tomogane, H., Tsuzuki, M., Ueda, T., Umeda, M., Ward, J. M., Watanabe, Y., Yazaki, K., Yokoyama, R., Yoshitake, Y., Yotsui, I., Zachgo, S., Schmutz, J., “Insights into land plant evolution garnered from the *Marchantia polymorpha* genome”, **Cell**, 171(2), 287-304.e15 (2017).
4. Sugiyama, A., Unno, Y., Ono, U., Yoshikawa, E., Suzuki, H., Minamisawa, K., Yazaki, K., “Assessment of bacterial communities of black soybean grown in fields”, **Commun. Integr. Biol.**, e1378290 (2017)
5. Sugiyama, A., Yamazaki, Y., Hamamoto, S., Takase, H., Yazaki, K., “Synthesis and secretion of isoflavones by field-grown soybean”, **Plant Cell Physiol.**, 58(9), 1594-1600 (2017).
6. Iijima, M., Munakata, R., Takahashi, H., Kenmoku, H., Nakagawa, R., Kodama, T., Asakawa, Y., Abe, I., Yazaki, K., Kurosaki, F., Taura, F., “Identification and characterization of daurichromenic acid synthase active in anti-HIV biosynthesis”, **Plant Physiol.**, 174 (4), 2213-2230 (2017).
7. Takanashi, K., Yamada, Y., Sasaki, T., Yamamoto, Y., Sato, F., Yazaki, K., “A multidrug and toxic compound extrusion transporter mediates berberine accumulation into vacuoles in *Coptis japonica*”, **Phytochemistry**, 138, 76-82 (2017).
8. Sarr, P.S., Sugiyama, A., Begoude, D.A.B., Yazaki, K., Shigeru, A., Nawata, E.,

- “Molecular assessment of the bacterial community associated with Cassava (*Manihot esculenta* Crantz) cultivation in Cameroon”, ***Microbiol. Res.***, 197, 22-28 (2017).
9. Sugiyama, A., Saida, Y., Yoshimizu, M., Takanashi, K., Sosso, D., Frommer WB., Yazaki, K., “Molecular characterization of LjSWEET3, a sugar transporter in nodule of *Lotus japonicus*”, ***Plant Cell Physiol.***, 58(2), 298–306 (2017).

【総説・解説】

<A02 班>

矢崎 一史

1. Yazaki, K., Arimura, G., Ohnishi, T., “Hidden” terpenoids in plants: Their biosynthesis, localisation and ecological roles, *Plant Cell Physiol.*, 58(10): 1615-1621 (2017).
2. Yazaki, K., *Lithospermum erythrorhizon* cell cultures: Present and future aspects, *Plant Biotech.*, 34: 131-142 (2017).

【招待講演】

<A02 班>

矢崎 一史

1. 2017/10/07 Research Alumni Meeting 2017, University of Bonn – Internationalization in Doctoral Education–, Waseda University, Tokyo, “My Experiences in Bonn and Germany”
2. 2017/08/27 The Joint Meeting of the 33rd Annual Meeting of the ISCE and the 9th meeting of the APACE (2017 ISCE/APACE), Kyoto, Japan, “Multiple omics analysis of shikonin production system in *Lithospermum erythrorhizon*”
3. 2017/08/26 2017 年第 5 回京都クオリア塾、京都学園大学京町屋、京都、「地球生命を支える植物の生存戦略」、「植物と人間のかかわり 生活を支える植物のパワー」
4. 2017/12/17 科学研究費補助金 新学術領域研究（研究領域提案型）生物合成系の再設計による複雑骨格機能分子の革新的創成科学、第 3 回公開シンポジウム、東京工業大学、東京、「生合成工学と輸送工学を統合したプレニル化ポリフェノールの生合成リデザイン」