

研究成果の刊行に関する一覧表  
(平成30年度～令和2年度)

書籍

著者氏名	タイトル名	書籍名	出版社名	出版地	出版年	ページ
木下政人	「肉厚マダイ」の事例から考える養殖業へのゲノム編集技術の活用	月刊養殖ビジネス	緑書房	東京都	2020	1月号 61-64
木下政人	ゲノム編集技術を使った肉厚マダイの作出と品種改良期間の短縮	JATAFFジャーナル	農林水産・食品産業技術振興協会	東京都	2020	8巻 2号 8-12

雑誌

発表者氏名	論文タイトル名	発表誌名	巻号	ページ	出版年
Takabatake, R., Kagiya, Y., Minegishi, Y., Futo, S., Soga, K., Nakamura, K., Kondo, K., Mano, J., Kitta, K.	Rapid screening detection of genetically modified crops by loop-mediated isothermal amplification with a lateral flow dipstick.	<i>Journal of Agricultural and Food Chemistry</i>	66	7839-7845	2018
Soga, K., Nakamura, K., Kishine, M., Takashima, Y., Miyahara, T., Kimata, S., Mano, J., Takabatake, R., Ozeki, Y., Kitta, K., Kondo, K.	Studies on the detection of maize genomic DNAs in cornflakes using real-time PCR. (リアルタイムPCRを用いたコーンフレーク中のトウモロコシゲノムDNA検出について)	<i>Bulletin of National Institute of Health Sciences</i>	136	31-39	2018

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Nakanishi, K., Fujii, U., Nakamura, K., Ohtsuki, T., Kimata, S., Soga, K., Kishine, M., Mano, J., Takabatake, R., Kitta, K., Kawakami, H., Akiyama, H., Ikeda, M., Kondo, K.	Effect of sodium carboxymethyl cellulose in processed rice foods on detection of genetically modified rice- derived DNA.	<i>Japanese Journal of Food Chemistry and Safety</i>	25	77-85	2018
Nakamura, K., Ishigaki, T., Kobayashi, T., Kimata, S., Fujii, U., Soga, K., Kishine, M., Takabatake, R., Mano, J., Kitta, K., Kawakami, H., Nishimaki-Mogami, T., Kondo, K.	Identification of chickpea ( <i>Cicer arietinum</i> ) in foods using a novel real-time polymerase chain reaction detection method.	<i>Journal of Food Composition and Analysis</i>	71	8-16	2018
Kishine, M., Noguchi, A., Mano, J., Takabatake, R., Nakamura, K., Kondo, K., Kitta, K.	Detection of DNA in highly processed foods. (高度加工食品からの原材料 農産物 DNA 検出の検討)	<i>Food Hygiene and Safety Science</i>	59	151- 156	2018
Tsugawa, H., Nakabayashi, R., Mori, T., Yamada, Y., Mikiko Takahashi, M., Rai, A., Sugiyama, R., Yamamoto, H., Nakaya, T., Yamazaki, M., Kooke, R., Bac- Molenaar, J., Oztolan- Erol, N., Keurentjes, J., Arita, M., Saito, K.	A cheminformatics approach to characterize metabolomes in stable isotope-labeled organisms.	<i>Nature Methods</i>	16	295- 298	2019

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Burla, B., Arita, M., Arita, M., Bendt, A.K., Cazenave-Gassiot, A., Dennis, E.A., Ekroos, K., Han, X., Ikeda, K., Liebisch, G., Lin, M.K., Loh, T.P., Meikle, P.J., Orešič, M., Quehenberger, O., Shevchenko, A., Torta, F., Wakelam, M.J.O., Wheelock, C.E., Wenk, M.R.	MS-based lipidomics of human blood plasma: a community- initiated position paper to develop accepted guidelines.	<i>Journal of Lipid Research</i>	59 (10)	2001- 2017	2018
Sakuma, T., Nishi, K., Kishimoto, K., Nakagawa, K., Karasuyama, M., Umezu, Y., Kajioka, S., Yamazaki, S.J., Kimura, K.D., Matsumoto, S., Yoda, K., Fukutomi, M., Shidara, H., Ogawa, H., Takeuchi, I.	Efficient learning algorithm for sparse subsequence pattern-based classification and applications to comparative animal trajectory data analysis.	<i>Advanced Robotics</i>	33	134- 152	2019
Karasuyama M., Inoue K., Nakamura R., Kandori H., Takeuchi I.	Understanding colour tuning rules and predicting absorption wavelengths of microbial rhodopsins by data-driven machine-learning approach.	<i>Scientific Reports</i>	8	#15580	2018
Kanamori K., Toyoura K., Honda J., Hattori K., Seko A., Karasuyama M., Shitara K., Shiga M., Kuwabara A., Takeuchi I.	Exploring a potential energy surface by machine learning for characterizing atomic transport.	<i>Physical Review B</i>	97	#12512 4	2018

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Kawaguchi, N., Tomita, C., Naradate, R., Higami, T., Nakamura, K., Date, K., Aikawa, K., Ogawa, H.	A novel protocol for the preparation of active recombinant human pancreatic lipase from <i>Escherichia coli</i> .	<i>Journal of Biochemistry</i>	164 (6)	407- 414	2018
Soga, K., Nakamura, K., Ishigaki, T., Kimata, S., Ohmori, K., Kishine, M., Mano, J., Takabatake, R., Kitta, K., Nagoya, H., Kondo, K.	Data representing applicability of developed growth hormone 1 (GH1) gene detection method for detecting Atlantic salmon ( <i>Salmo salar</i> ) at high specificity to processed salmon commodities.	<i>Data in Brief</i>	27	#10469 5	2019
Narushima, J., Kimata, S., Soga, K., Sugano, Y., Minegishi, Y., Kishine, M., Takabatake, R., Mano, J., Kitta, K., Kanamaru, S., Shirakawa, N., Kondo, K., Nakamura, K.	Rapid DNA template preparation directly from a rice sample without purification for loop-mediated isothermal amplification (LAMP) of rice genes.	<i>Bioscience, Biotechnology, and Biochemistry</i>	84	670- 677	2020
Soga, K., Nakamura, K., Ishigaki, T., Kimata, S., Ohmori, K., Kishine, M., Mano, J., Takabatake, R., Kitta, K., Nagoya, H., Kondo, K.	Development of a novel method for specific detection of genetically modified Atlantic salmon, AquAdvantage, using real-time polymerase chain reaction.	<i>Food Chemistry</i>	305	#12542 6	2020

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Mishiba, K.-I., Iwata, Y., Mochizuki, T., Matsumura, A., Nishioka, N., Hirata, R., & Koizumi, N.	Unfolded protein-independent IRE1 activation contributes to multifaceted developmental processes in Arabidopsis.	<i>Life Science Alliance</i>	2(5)	#20190 0459	2019
Hirata, R., Mishiba, K.-I., Koizumi, N., & Iwata, Y.	Deficiency in the double-stranded RNA binding protein HYPONASTIC LEAVES1 increases sensitivity to the endoplasmic reticulum stress inducer tunicamycin in Arabidopsis.	<i>BMC Research Notes</i>	12	#580	2019
Hirohata, A., Sato, I., Kaino, K., Iwata, Y., Koizumi, N., & Mishiba, K.-I.	CRISPR/Cas9-mediated homologous recombination in tobacco.	<i>Plant Cell Reports</i>	38	463- 473	2019
Yoshida T., Takeuchi I., Karasuyama M.	Safe Triplet Screening for Distance Metric Learning.	<i>Neural Computation</i>	31 (12)	2432- 2491	2019
Umezumi Y., Takeuchi I.	Selective inference via marginal screening for high dimensional classification.	<i>Japanese Journal of Statistics and Data Science</i>	2	559- 589	2019

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Soga, K., Kimata, S., Narushima, J., Sato, S., Sato, E., Mano, J., Takabatake, R., Kitta, K., Kawakami, H., Akiyama, H., Kondo, K., Nakamura, K.	Development and Testing of an Individual Kernel Detection System for Genetically Modified Soybean Events in Non-identity-preserved Soybean Samples.	<i>Biological and Pharmaceutical Bulletin</i>	43	1259- 1266	2020
Takabatake, R., Onishi, M., Minegishi, Y., Futo, S., Soga, K., Nakamura, K., Kondo, K., Mano, J., Kitta, K.	Development of a Novel Detection Method Targeting an Ultrashort 25 bp Sequence Found in Agrobacterium-Mediated Transformed GM Plants.	<i>Journal of Agricultural and Food Chemistry</i>	68	15327- 15334	2020
Takabatake, R., Onishi, M., Mano, J., Kishine, M., Soga, K., Nakamura, K., Kondo, K., Kitta, K.	Evaluation of Conversion Factors for Genetically Modified Maize Quantification. (遺伝子組換えトウモロ コシ定量のための内標比 の算出)	<i>Shokuhin Eiseigaku Zasshi</i>	61	235- 238	2020
Matsuda, M., Iwata, Y., Koizumi, N., & Mishiba, K.-I.	Zeocin-induced DNA double strand breaks affect endoreduplication and cell size in radish cotyledon epidermis	<i>Cytologia</i>	85	245- 249	2020
Mishiba, K.-I., Nishida, K., Inoue, N., Fujiwara, T., Teranishi, S., Iwata, Y., Takeda, S., & Koizumi, N.	Genetic engineering of eggplant accumulating $\beta$ -carotene in fruit	<i>Plant Cell Reports</i>	39	1029- 1039	2020

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