

3) 研究成果の刊行に関する一覧表(令和2~4年度)

発表者氏名	論文タイトル名	発表誌名	巻号	ページ	出版年
Takashina S, Igarashi Y, Takahashi M, Kondo Y, Inoue K	Screening Method for the Quality Evaluation of Cannabidiols in Water-based Products Using Liquid Chromatography Tandem Mass Spectrometry.	Anal. Sci.	36	1427-1430	2020
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Ide T, Mizuta Y, Akagi J, Masumoto N, Sugimoto N, Sato K, Ogawa K, Cho Y	A 90-day repeated oral dose toxicity study of four stereoisomers of 2,4-dimethyl-4-phenyltetrahydrofuran, a synthetic flavoring substance, in F344 rats.	Regul. Toxicol. Pharmacol.	DOI: 10.1016/j.yrtph.2020.104664		2020
Takahashi M, Nishizaki Y, Masumoto N, Sugimoto N, Sato K, Inoue K	Quantification of tea-derived catechins without the requirement for respective calibration curves by single reference liquid chromatography based on relative molar sensitivity.	J. Sci. Food Agric.	DOI: 10.1002/jsfa.11013		2020
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Y, Bzhelyansky A, Amezcua C, Joseph Ray, Zailer E, Diehl B, Gallo V, Todisco S, Ofuji K, Fujita K, Higano K, Geletneky C, Hausler T, Singh N, Yamamoto K, Kato T, Sawa R, Watanabe R, Iwamoto Y, Goda Y	quantitative NMR Spectroscopy by Using Internal Calibration Methodology.				
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Ohtsuki T, Matsuoka K, Fuji Y, Nishizaki Y, Masumoto N, Sugimoto N, Sato K, Matsufuji H	Development of an HPLC method with relative molar sensitivity based on ¹ H-qNMR to determine acteoside and pedaliin in dried sesame leaf powders and processed foods.	PLoS ONE	15(12)	e0243175	2020
Nishizaki Y, Ishizuki K, Masumoto N, Tada A, Sugimoto N, Sato K	HPLC determination of quercetin using relative molar sensitivity to methylparaben as a single reference.	Jpn. J. Food Chem. Safety	27	42-52	2020
内山奈穂子, 細江潤 子, 三浦亨, 杉本直 樹, 石附京子, 山田裕 子, 岩本芳明, 末松孝 子, 小松功典, 丸山剛 史, 五十嵐靖, 日向野 太郎, 嶋田典基, 合田 幸広	日本薬局方・定量用試 薬の規格化を目的とし た定量NMRを用いた 吸湿性化合物の絶対純 度の測定 (Part 1).	薬学雑誌	140	1063-1069	2020

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Kuroe M, Numata M, Masumoto N, Nishizaki Y, Sugimoto N, Itoh N	Use of Relative Molar Sensitivity as a Specific Value for Evaluating Heptaoxyethylene Dodecyl Ether Concentrations in Methanol Solution.	Anal. Sci.	37	917-919	2021
Nishizaki Y, Lankin D, Chen SN, Pauli G	Accurate and precise external calibration enhances the versatility of quantitative NMR	Anal. Chem.	93(5)	2733-2741	2021

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Amakura Y, Yoshimura M, Sugimoto N, Akiyama H	Characterization of components in natural products for the evaluation of existing food additives in Japan. (Review)	Chem. Pharm. Bull.	69	11-17	2021
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増本直子, 西崎雄三, 中島馨, 杉本直樹, 佐藤恭子:	相対モル感度に基づくシングルリファレンス GC 法及び HPLC 法によるカラシ抽出物及びセイヨウワサビ抽出物中のイソチオシアン酸アリルの定量	食衛誌	62	73-78	2021
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Koide T, Murabayashi M, Miyashita N, Kobayashi K, Fujimine Y, Yokose T, Ofuji K, Shimizu H, Hasebe T, Asai Y, Ena E, Kikuchi J, Kiyota K, Fujita K, Makino Y, Yasobu N, Iwamoto Y, Miura T, Mizui K, Asakura K, Suematsu T, Muto H, Kohama A, Goto T, Yasuda M, Ueda T, Goda Y	Hydrate by Quantitative ³¹ P-NMR and Method Validation				
Fujiwara Y, Miwa M, Nagatsu A, Honma A	Identification of Maple Anthocyanin and its Antiproliferative Activity against LLC, T47D and C3H10T1/2 Cells	Anti-Cancer Agents in Medicinal Chemistry	21	894-901	2021
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Iwasaki D, Kanazawa M, Kawamoto F, Araho D, Murakami T, Nishizaki Y, Masumoto N, Sugimoto N	A new single-reference quantitative method using liquid chromatography with relative molar sensitivity based on ¹ H-qNMR for khellactone esters from <i>Peucedanum japonicum</i> root extract	Food Chem.		Submitted	2022
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Hirose S, Watanabe M, Tada A, Sugimoto N, Sato K, Hara-Kudo Y	Evaluation on suitability of culture broth and conditions for <i>Escherichia coli</i> growth and gas production test of food additives	Food Hyg. Saf. Sci.		In press	

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