

著書論文：ペプチドの大量分画に関する論文 (Autofocusing)

- 1) Yata, M., Sato, K., Ohtsuki, K., Kawabata, M.: Fractionation of peptides in protease digests of proteins by preparative isoelectric focusing in the absence of added ampholyte: A biocompatible and low-cost approach referred to as autofocusing. *J. Agric. Food Chem.* **44**, 76-79 (1996)
- 2) Akahoshi, A., Sato, K., Nawa, N., Nakamura, Y., Ohtsuki, K.: Novel approach for large-scale, biocompatible, and low-cost fractionation of peptides in proteolytic digest of food protein based on the amphoteric nature of peptides. *J. Agric. Food Chem.* **48**, 1955-1959 (2000)
- 3) Hashimoto, K., Sato, K., Nakamura, Y., Ohtsuki, K.: Development of a large-scale (50 L) apparatus for ampholyte-free isoelectric focusing (Autofocusing) of peptides in enzymatic hydrolysates of food proteins. *J. Agric. Food Chem.*, **53**, 3801-3806 (2005)
- 4) Hashimoto, K., Sato, K., Nakamura, Y., Ohtsuki, K.: Development of continuous type apparatus for ampholyte-free isoelectric focusing (autofocusing) of peptides in protein hydrolysates. *J. Agric. Food Chem.*, **54**, 650-655 (2006)

血中に移行したペプチドの検出・構造に関する論文

- 5) Iwai, K., Hasegawa, T., Taguchi, Y., Morimatsu, F., Sato, K., Nakamura, Y., Higashi, A., Kido, Y., Nakabo, Y., Ohtsuki, K.: Identification of food-derived collagen peptides in human blood after oral ingestion of gelatin hydrolysates. *J. Agric. Food Chem.*, **53**, 6531-6536 (2005)
- 6) Aito-Inoue, M., Ohtsuki, K., Nakamura, Y., Park, E. Y., Iwai, K., Morimatsu, F., Sato, K.: Improvement in isolation and identification of food-derived peptides in human plasma

based on precolumn derivatization of peptides with phenyl isothiocyanate. *J. Agric. Food Chem.*, **54**, 5261-5266 (2006)

- 7) Higaki-Sato, N., Sato, K., Inoue, N., Nawa, Y., Kido, Y., Nakabou, Y., Hashimoto, K., Nakamura, Y., Ohtsuki, K.: Occurrence of the free and peptide forms of pyroglutamic acid in plasma from the portal blood of rats that had ingested a wheat gluten hydrolysate containing pyroglutamyl peptides. *J. Agric. Food Chem.*, **54**, 6984-6988 (2006)
- 8) Ohara, H., Matsumoto, H., Ito, K., Iwai, K., Sato, K.: Comparison of quantity and structures of hydroxyproline-containing peptides in human blood after oral ingestion of gelatin hydrolysates from different sources. *J. Agric. Food Chem.* (2007)

加工中に生じるピログルタミン酸ペプチドに関する論文

- 9) Sato, K., Nishimura, R., Suzuki, Y., Motoi, H., Nakamura, Y., Ohtsuki, K., Kawabata, M.: Occurrence of indigestible pyroglutamyl peptides in an enzymatic hydrolysate of wheat gluten prepared on an industrial scale. *J. Agric. Food Chem.* **46**, 3403-3405 (1998)
- 10) Suzuki, Y., Motoi, H., Sato, K.: Quantitative analysis of pyroglutamic acid in peptides. *J. Agric. Food Chem.* **47**, 3248-3251 (1999)
- 11) Higaki-Sato, N., Sato, K., Esumi, K., Okumura, T., Yoshikawa, H., Tanaka-Kuwajima, C., Kurata, A., Kotaru, K., Kawabata, M., Nakamura, Y., Ohtsuki, K.: Isolation and identification of indigestible pyroglutamyl peptides in an enzymatic hydrolysate of wheat gluten prepared on an industrial scale. *J. Agric. Food Chem.* **51**, 8-13 (2003)

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