

List of scientific papers in 2006 published by field science group in Graduate School of Agricultural Science, Tohoku University

The forest - Andisols Gourp

- Akahane, I., M. Nanzyo, T. Takahashi, O. Sekiguchi and M. Saigusa (2006) Spacial distribution of phosphorus in the Ap horizon soils of paddy rice fields after rice harvest -Effect of machinery localized fertilizer application at transplanting of rice rice seedlings-. Jpn. J. Soil Sci. Plant Nutr., 77: 171-177.
- Akahane, I., N. Sasaki, M. Nanzyo, T. Takahashi, T. Tashiro, O Sekiguchi and M. Saigusa (2006) Relationship between vertical distributions of Bray 2 P content and organic P content in the Ap horizon of paddy rice fields. Soil Sci., Plant Nutr., 52(5): 654-661.
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- Kanno, M., Y. Suyama, Q. Li and A. Kijima (2006) Microsatellite analysis of Japanese sea cucumber, *Stichopus (Apostichopus) japonicus*, supports reproductive isolation in color variants. Marine Biotechnology, 8 (6): 672-685.
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- Nanzyo, M. (2006) Chemical and physical characteristics of soils with noncrystalline and poorly crystalline materials and their applications. Clay Sci., 12 (Supplement 2): 274-279.
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- Numano, N. and Y. Suyama (2006) Genetic diversity and large-scale genetic structure study in a remnant population of *Fagus crenata*. Bulletin of Integrated Field Science Center, 21: (in press).
- Saigusa, M (2006) Food production and fertilization, In: Encyclopedia of Fertilizers, Eds. N. Owa, M. Saigusa et al., 1-6, 14-22, Asakura Publishing Co., Ltd.
- Shoji, S., M. Nanzyo and T. Takahashi (2006) Factors of soil formation: climate as exemplified by volcanic ash soils. In: Soils: Basic Concepts and Future Challenges, Eds. G. Certini and R. Scalenghe, 131-149, Cambridge University Press.
- Takahashi, T., Y. Ikeda, H. Nakamura and M. Nanzyo (2006) Efficiency of gypsum application to acid Andosols estimated using aluminum release rates and plant root growth. Soil Science and Plant Nutrition, 52(5): 584-592.
- Takahashi, T., Y. Ikeda, K. Fujita and M. Nanzyo (2006) Effect of liming on organically complexed aluminum of nonallophanic Andosols from north-eastern Japan. Geoderma, 130 (1-2): 26-34.
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The Ruminant Production Group

- Hagino, A., T. Kobayashi, C. Kawamura, K. Sakamoto, Y. Sasaki, K. Katoh and Y. Obara (2006) Effects of bisphenol A and nonylphenol on the proliferation and differentiation in bovine mammary epithelial cells. The XIIth AAAP Animal Science Congress 2006, Congress Proceedings Abstract. 471.
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- Hosono, M., K. Suzuki, M. Sato and A. Nishida (2006) Breeding objective of Japanese Black cattle in Miyagi prefecture, Tohoku J. Anim. Sci. Technol. 56 (1), 27-32.
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The Rice production groups

- Akahane I., M. Nanzyo, T. Takahashi, O. Sekiguchi and M. Saigusa (2006) spatial distribution of phosphorus in the Ap horizon soils of paddy rice fields after rice harvest-Effects of machinery localized fertilizer application at transplanting of rice seedlings-. Jpn. J. Soil Sci. Plant Nutr., 77 (2): 171-177.
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