

# Appendix

## Publications

### 1. Official publications

1) NIAES Annual Report 2013
2) NIAES Research Executive Summary (Japanese ed.) (Kenkyu seika johu), No.30
3) Annual Report of National Institute for Agro-Environmental Sciences (Japanese ed.) (Nogyo kankyo gijutsu kenkyusho nenpo), No.30
4) NIAES News (Japanese ed.) (No-kan-ken nyusu), No.99 - No.102

### 2. Research Papers published by the NIAES staff

Scientific journal papers	English	135
	Japanese	38
	Others	1
Proceedings (incl. Abstracts)	English	126
	Japanese	377
	Others	0
Others (Review, magazine/newspaper articles)	English	10
	Japanese	131
	Others	0

### 3. Research staff activities (English papers)

Author(s)	Title	Journal Title	Vol.(No.)	Pages	Year
Uchida, Y. Nishimura, S. Akiyama, H.	The relationship of water-soluble carbon and hot-water-soluble carbon with soil respiration in agricultural fields	Agriculture Ecosystems & Environment	156	116-122	2012
Akiyama, H Morimoto, S Hayatsu, M Hayakawa, A Sudo, S Yagi, K	Nitrification, ammonia-oxidizing communities, and N <sub>2</sub> O and CH <sub>4</sub> fluxes in an imperfectly drained agricultural field fertilized with coated urea with and without dicyandiamide	Biology and Fertility Of Soils	49(2)	213-223	2013
Wagai, R. Kishimoto-Mo, A-W. Yonemura, S. Shirato, Y. Hiradate, S. Yagasaki, Y	Linking temperature sensitivity of soil organic matter decomposition to its molecular structure, accessibility, and microbial physiology	Global Change Biology	19(4)	1114-1125	2012
Minanikawa, K. Yagi, K. Tokida, T. Sander, B.O. Wassmann, R.	Appropriate frequency and time of day to measure methane emissions from an irrigated rice paddy in Japan using the manual closed chamber method	Greenhouse Gas Measurement and Management	2(2-3)	118-128	2012
Nishina, K. Akiyama, H. Nishimura, S. Sudo, S. Yagi, K.	Evaluation of uncertainties in N <sub>2</sub> O and NO fluxes from agricultural soil using a hierarchical Bayesian model	Journal of Geophysical Research	117(G4)	doi: 10.1029/2012JG002157	2012

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Author(s)	Title	Journal Title	Vol.(No.)	Pages	Year
Itakura, M. Uchida, Y. Akiyama, H. Takada Hoshino, Y. Shimomura, Y. Morimoto, S. Tago, K. Wang, Y. Hayakawa, C. Uetake, Y. Sanchez, C. Eda, S. Hayatsu, M. Minamisawa, K.	Mitigation of nitrous oxide emissions from soils by Bradyrhizobium japonicum inoculation	Nature Climate Change	3	208-212	2013
Wagai, R. Kitayama, K.	Soil organic matter storage in the tropical forests of Borneo : pedogenic controls and ecological implications	Pedologist	55(3)	392-402	2012
Katayanagi, N. Furukawa, Y. Fumoto, T. Hosen, Y.	Validation of the DNDC-Rice model by using CH <sub>4</sub> and N <sub>2</sub> O flux data from rice cultivated in pots under alternate wetting and drying irrigation management	Soil Science and Plant Nutrition	58(3)	360-372	2012
Yamamoto, A. Akiyama, H. Naokawa, T. Yagi, K.	Effect of lime-nitrogen application on N <sub>2</sub> O emission from an Andosol vegetable field	Soil Science and Plant Nutrition	58(2)	245-254	2012
Jiang, G. Shirato, Y. Xu, M. Yagasaki, Y. Huang, Q. Li, Z. Nie, J. Shi, X	Testing the modified Rothamsted Carbon Model for paddy soils against the results from long-term experiments in southern China	Soil Science and Plant Nutrition	59(1)	16-26	2013
Minamikawa, K. Eguchi, S. Nishimura, S. Ihara, H. Maeda, M. Yagi, K. Komada, M.	Groundwater-induced emissions of nitrous oxide through the soil surface and from subsurface drainage in an Andosol upland field: A monolith lysimeter study	Soil Science and Plant Nutrition	59(1)	87-95	2013
Uchida, Y. Von Rein, I. Akiyama, H. Yagi, K.	Contribution of nitrification and denitrification to nitrous oxide emissions in Andosol and from Fluvisol after coated urea application	Soil Science and Plant Nutrition	59(1)	46-55	2012
Zhu, C.-H. Cheng, W.-G. Sakai, H. Oikawa, S. Rebecca C., L. Usui, Y. Hasegawa, T.	Effects of elevated [CO <sub>2</sub> ] on stem and root lodging among rice cultivars	Chinese Science Bulletin	58(15)	1787-1794	2013
Liu, G.C. Tokida, T. Matsunami, T. Nakamura, H. Okada, M. Sameshima, R. Hasegawa, T. Sugiyama, S	Microbial community composition controls the effects of climate change on methane emission from rice paddies	Environmental Microbial Reports	4(6)	648-654	2012

Author(s)	Title	Journal Title	Vol.(No.)	Pages	Year
Zhu, C. Ziska, L.H. Sakai, H. Zhu, J. Hasegawa, T.	Vulnerability of lodging risk to elevated CO <sub>2</sub> and increased soil temperature differs between rice cultivars	European Journal of Agronomy	46(0)	20-24	2013
Hasegawa, T. Sakai, H. Tokida, T. Nakamura, H. Zhu, C. Usui, Y. Yoshimoto, M. Fukuoka, M. Wakatsuki, H. Katayanagi, N. Matsunami, T. Kaneda, Y. Sato, T. Takakai, F. Sameshima, R. Okada, M. Mae, T. Makino, A.	Rice cultivar responses to elevated CO <sub>2</sub> at two free-air CO <sub>2</sub> enrichment (FACE) sites in Japan	Functional Plant Biology	—	FP12357	2013
Yoshimoto, M. Fukuoka, M. Hasegawa, T. Matsui, T. Tian, X. Vijayalakshmi, C. Singh, M.P. Myint, T.T. Weerakoon, W. Lafarge, T. Lur, H.S. Tarpley, L.	MINCERnet: A global research alliance to support the fight against heat stress in rice	Journal of Agricultural Meteorology	68(2)	149-157	2012
Fukuoka, M. Yoshimoto, M. Hasegawa, T.	MINCER: A novel instrument for monitoring the micrometeorology of rice canopies	Journal of Agricultural Meteorology	68(2)	135-147	2012
Zhu, C. Ziska, L. Zhu, J. Zeng, Q. Xie, Z. Tang, H. Jia, X. Hasegawa, T.	The temporal and species dynamics of photosynthetic acclimation in flag leaves of rice ( <i>Oryza sativa</i> ) and wheat ( <i>Triticum aestivum</i> ) under elevated carbon dioxide	Physiologia Plantarum	145(3)	395-405	2012
Kuwagata, T. Ishikawa-Sakurai, J. Hayashi, H. Nagasuga, K. Fukushi, K. Ahamed, A. Takasugi, K. Katsuhara, M. Murai-Hatano, M.	Influence of low air humidity and low root temperature on water uptake, growth and aquaporin expression in rice plants	Plant and Cell Physiology	53(8)	1418-1431	2012
Nouchi, I. Hayashi, K. Hiradate, S. Ishikawa, S. Fukuoka, M. Chen, C.P. Kobayashi, K.	Overcoming the difficulties in collecting apoplasmic fluid from rice leaves by the infiltration-centrifugation method	Plant and Cell Physiology	53(9)	1659-1668	2012

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Tokida, T. Cheng, W. Adachi, M. Matsunami, T. Nakamura, H. Okada, M. Hasegawa, T.	The contribution of entrapped gas bubbles to the soil methane pool and their role in methane emission from rice paddy soil in free-air [CO <sub>2</sub> ] enrichment and soil warming experiments	Plant and Soil	364 (41641)	131-143	2013
Shimono, H. Konno, T. Sakai, H. Sameshima, R.	Interactive effects of elevated atmospheric CO <sub>2</sub> and waterlogging on vegetative growth of soybean ( <i>Glycine max</i> (L.) Merr.)	Plant Production Science	15(3)	238-245	2012
Fukuoka, M. Yoshimoto, M. Hasegawa, T.	Varietal range in transpiration conductance of flowering rice panicle and its impact on panicle temperature	Plant Production Science	15(4)	258-264	2012
Masutomi, Y. Iizumi, T. Takahashi, K. Yokozawa, M.	Estimation of the damage area due to tropical cyclones using fragility curves for paddy rice in Japan	Environmental Research Letters	7(1)	9-	2012
Yoshida, R. Iizumi, T. Nishimori, M. Yokozawa, M.	Impacts of land-use changes on surface warming rates and rice yield in Shikoku, western Japan	Geophysical Research Letters	39(22)	doi: 10.1029/ 2012GL 053711	2012
Iizumi, T. Nishimori, M.	Improvements to statistical climate downscaling simulations by incorporating the APHRO_JP advanced gridded daily precipitation dataset	Global Environmental Research	15(2)	101-108	2012
Uno, F. Iizumi, T. Nishimori, M. Hayashi, Y.	Time trends and variations in mean and accumulated solar radiation for the ripening period of paddy rice in Kyushu for 1979-2007	Journal of Agricultural Meteorology	68(1)	69-76	2012
Iizumi, T. Takayabu, I. Dairaku, K. Kusaka, H. Nishimori, M. Sakurai, G. Ishizaki N., N. Adachi A., S. Semenov, M.A.	Future change of daily precipitation indices in Japan: A stochastic weather generator-based bootstrap approach to provide probabilistic climate information	Journal of Geophysical Research	117 (D1114)	1984-2012	2012
Suzuki, S. Yokozawa, M. Inubushi, K. Hara, T. Kimura, M. Tsuga, S. Tako, S. Nakamura, Y.	Evaluation of co <sub>2</sub> exchange rates in a wetland ecosystem using the closed geosphere experiment facility	Journal of Hydrometeorology	13(3)	966-980	2012
Iizumi, T. Nishimori, M. Uno, F.	Climate downscaling as a source of uncertainty in projecting local climate change impacts	Journal of The Meteorological Society Of Japan	90B	83-90	2012
Yoshida, R. Iizumi, T. Nishimori, M.	Inter-model differences in the relationships between downward shortwave radiation and air temperatures derived from dynamical and statistical downscaling models	Journal of The Meteorological Society Of Japan	90B	75-82	2012

Author(s)	Title	Journal Title	Vol.(No.)	Pages	Year
Iizumi, T. Semenov, M.A. Nishimori, M. Ishigooka, Y. Ku wagata, T.	ELPIS-JP: a dataset of local-scale daily climate change scenarios for Japan	Philosophical Transactions of The Royal Society A-Mathematical Physical and Engineering Sciences	370 (1962)	1121-1139	2012
Baba G., Y. Osada, Y. Miyashita, T.	The effect of host web complexity on prey-stealing success in a kleptoparasitic spider mediated by locomotor ability	Animal Behaviour	83(5)	1261-1268	2012
Haruyama, N. Miyazaki, Y. Ynakahira, K. Mochizuki, A. Nomura, M.	Developmental time and survival of trash-carrying versus naked green lacewings, with implications for their utility as augmentative biological control agents	Annals of The Entomological Society of America	105(6)	846-851	2012
Okada, H. Oba, H.	Quantitative detection of nematodes by using PCR-DGGE for evaluation of community similarities	Nematological Research	42(2)	27-30	2012
Baba G., Y. Walters, R.J. Miyashita, T.	Complex latitudinal variation in the morphology of the kleptoparasitic spider <i>Argyrodes kumadai</i> associated with host use and climatic conditions	Population Ecology	55(1)	43-51	2013
Kaneda, S. Miura, S. Yamashita, N. Ohigashi, K. Yamasaki, S. Murakami, T. Urashima, Y.	Significance of litter layer in enhancing mesofaunal abundance and microbial biomass nitrogen in sweet corn-white clover living mulch systems	Soil Science and Plant Nutrition	58(4)	424-434	2012
Tokuoka, Y. Hosogi, D.	Spatial distribution and management of isolated woody plants traditionally used as farmland boundary markers in Ibaraki Prefecture, Japan	Springerplus	1(57)		2012
Koyanagi, T. Kusumoto, Y. Yamamoto, S. Takeuchi, K.	Potential roles of small and linear habitat fragments in satoyama landscapes for conservation of grassland plant species	Urban Ecosystems	15(4)	893-909	2012
Kawazu, K. Sugeno, W. Mochizuki, A. Takano, S. Murata, M. Ichiki, T., R. Nakamura, S.	Age in relation to copulation, egg development, and multiple mating behavior in the coconut palm pest <i>Brontispa longissima</i> (Coleoptera: Chrysomelidae)	Annals of The Entomological Society of America	105(5)	746-750	2012
Koyanagi, T. Kusumoto, Y. Hiradate, S. Morita, S. Yokogawa, M. Takahashi, Y. Sato, C.	New method for extracting plant indicators based on their adaptive responses to management practices: application to semi-natural and artificial grassland data	Applied Vegetation Science	16(1)	95-109	2013
Ishimoto, M. Kuroda, M. Yoza, K. Nishizawa, K. Teraishi, M. Mizutani, N. Ito, K. Morita, S.	Heterologous expression of corn cystatin in soybean and effect on growth of the stink bug	Bioscience Biotechnology and Biochemistry	76(11)	2142-2145	2012

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Author(s)	Title	Journal Title	Vol.(No.)	Pages	Year
Nakazawa, T. Yamanaka, T. Urano, S.	Model analysis for plant disease dynamics co-mediated by herbivory and herbivore-borne phytopathogens	Biology Letters	8(4)	685-688	2012
Sato, Y. Mochizuki, M. Mochizuki, A.	Introduction of non-native predatory mites for pest control and its risk assessment in Japan	Jarq-Japan Agricultural Research Quarterly	46(2)	129-137	2012
Murata, M. Htwe, A.N. Takano, S Nguyen, H.T. Ichiki T., R. Sugeno, W. Mochizuki, A. Nakamura, S.	A comparison of artificial diets for mass rearing brontispa longissima (Coleoptera: Chrysomelidae) as hosts for the larval and the pupal parasitoids	Journal of Economic Entomology	105(3)	802-809	2012
Nakamura, S. Masada, T. Mochizuki, A. Konishi, K. Tokumaru, S. Ueno, K. Yamaguchi, T.	Primer design for identifying economically important Liriomyza species (Diptera: Agromyzidae) by multiplex PCR	Molecular Ecology Resources	13(1)	96-102	2013
Shinoyama, H. Aida, R. Ichikawa, H. Nomura, Y. Mochizuki, A.	Genetic engineering of chrysanthemum ( <i>Chrysanthemum morifolium</i> ): Current progress and perspectives	Plant Biotechnology	29(4)	323-337	2012
Kawazu, K. Wasano, N. Konno, K. Ohashi, Y. Mochizuki, A. Mitsuhara, I.	Evaluation of anti-herbivory genes using an Agrobacterium-mediated transient expression system	Plant Biotechnology	29	495-499	2012
Blackwood, J.C. Berec, L. Yamanaka, T. Epanchin-Niell, R.S. Hastings, A. Liebhold, A.M.	Bioeconomic synergy between tactics for insect eradication in the presence of Allee effects	Proceedings of The Royal Society B-Biological Sciences	279	2807-2815	2012
Kajiwara, H. Yamaguchi, M. Sato, H. Shibaie, H.	Discrimination among rice varieties based on rapid detection of single nucleotide polymorphisms by a newly developed method, mass spectrometric cleaved amplified polymorphic sequence (MS-CAPS) analysis	Plant Omics Journal	5(3)	231-237	2012
Koitabashi, M. Noguchi T., M. Sameshima-Yamashita, Y. Hiradate, S. Suzuki, K. Yoshida, S. Watanabe, T. Shinozaki, Y. Tsushima, S. Kitamoto K., H.	Degradation of biodegradable plastic mulch films in soil environment by phylloplane fungi isolated from gramineous plants	Ambexpress	2(1) (40)	doi: 10.1186/ 2191-0855- 2-40	2012

Author(s)	Title	Journal Title	Vol.(No.)	Pages	Year
Nishizawa, T. Tago, K. Uei, Y. Ishii, S. Otsuka, S. Sendoo, K.	Advantages of functional single-cell isolation method over standard agar plate dilution method as a tool for studying denitrifying bacteria in rice paddy soil	Ambexpress	2(50)	doi: 10.1186/ 2191-0855- 2-50.	2012
Iino, T. Wang, Y. Miyachi, K. Kasai, D. Masai, E. Fujii, T. Ogawa, N. Fukuda, M.	Specific gene responses of <i>Rhodococcus jostii</i> RHA1 during growth in soil	Applied and Environmental Microbiology	78(19)	6954-6962	2012
Nazari, B. Kobayashi, M. Saito, A. Hassaninasab, A. Miyashita, K. Fujii, T.	Chitin-induced gene expression in secondary metabolic pathways of <i>Streptomyces coelicolor</i> A3(2) grown in soil	Applied and Environmental Microbiology	79(2)	707-713	2013
Naka, H. Suzuki, T. Watarai, T. Horie, Y. Mochizuki, F. Mochizuki, A. Tsuchida, K. Arita, Y. Ando, T.	Identification of the sex pheromone secreted by <i>Synanthedon tenuis</i> (Lepidoptera: Sesiidae)	Applied Entomology and Zoology	48(4)	23-33	2013
Wang, Y. Nagaoka, K. Hayatsu, M. Sakai, Y. Tago, K. Asakawa, S. Fujii, T.	A novel method for RNA extraction from Andosols using casein and its application to <i>amoA</i> gene expression study in soil	Applied Microbiology and Biotechnology	96(3)	793-802	2012
Suzuki, K. Sakamoto, H. Shinozaki, Y. Tabata, J. Watanabe, T. Mochizuki, A. Koitabashi, M. Fujii, T. Tsushima, S. Kitamoto K., H.	Affinity purification and characterization of a biodegradable plastic-degrading enzyme from a yeast isolated from the larval midgut of a stag beetle, <i>Aegus laevicollis</i>	Applied Microbiology and Biotechnology	—	7679-7688	2012
Shinozaki, Y. Morita, T. Cao, X. Yoshida, S. Koitabashi, M. Watanabe, T. Suzuki, K. Sameshima-Yamashita, Y. Nakajima-Kambe, T. Fujii, T. Kitamoto K., H.	Biodegradable plastic-degrading enzyme from <i>Pseudozyma antarctica</i> : cloning, sequencing, and characterization	Applied Microbiology and Biotechnology	97(7)	2951-2959	2012

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Kawazu, K. Mochizuki, A. Sato, Y. Sugeno, W. Murata, M. Seo, S. Mitsuhara, I.	Different expression profiles of jasmonic acid and salicylic acid inducible genes in the tomato plant against herbivores with various feeding modes	Arthropod-Plant Interactions	6(2)	221-230	2012
Shigematsu, M. Ogawa, T. Kitamoto K., H. Hidaka, M. Masaki, H.	Specific phase arrest of cell cycle restores cell viability against tRNA cleavage by killer toxin	Biochemical and Biophysical Research Communications	420(4)	750-754	2012
Uefune, M. Kugimiya, S. Shimoda, T. Takabayashi, J.	Starvation and herbivore-induced plant volatiles affect the color preferences of parasitic wasps	Biocontrol	58(2)	187-193	2012
Kamo, T. Takemura, T. Wasano, N. Fujii, Y. Hiradate, S.	Quantification of cyanamide in young seedlings of vicia species, lens culinaris, and robinia pseudo-acacia by gas chromatography-mass spectrometry	Bioscience Biotechnology and Biochemistry	76(7)	1416-1418	2012
Uefune, M. Kugimiya, S. Ozawa, R. Takabayashi, J.	Parasitic wasp females are attracted to blends of host-induced plant volatiles: do qualitative and quantitative differences in the blend	F1000Research	2	doi: 10.3410/ f1000 research. 2-57.v1	2013
Saito, A. Ebise, H. Orihara, Y. Murakami, S. Sano, Y. Kimura, A. Sugiyama, Y. Ando, A. Fufjii, T. Miyashita, K.	Enzymatic and genetic characterization of the DasD protein possessing N-acetyl- $\beta$ -d-glucosaminidase activity in <i>Streptomyces coelicolor</i> A3(2)	Fems Microbiology Letters	340(1)	33-40	2013
Shinozaki, Y. Watanabe, T. Nakajima-Kambe, T. Kitamoto K., H.	Rapid and simple colorimetric assay for detecting the enzymatic degradation of biodegradable plastic films	Journal of Bioscience And Bioengineering	115(1)	111-114	2013
Kamo, T. Tokuoka, Y. Miyazaki, M.	Quantification of canavanine, 2-Aminoethanol, and Cyanamide in <i>Aphis craccivora</i> and its host plants, <i>Robinia pseudoacacia</i> and <i>Vicia angustifolia</i> : Effects of these compounds on larval survivorship of <i>harmonia axyridis</i>	Journal of Chemical Ecology	38(12)	1552-1560	2012
Wang, Y. Hayatsu, M. Fujii, T.	Extraction of bacterial RNA from soil: challenges and solutions	Microbes and Environments	27(2)	111-121	2012



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Okubo, T. Tsukui, T. Maita, H. Okamoto, S. Oshima, K. Fujisawa, T. Saito, A. Futamata, H. Hattori, R. Shimomura, Y. Haruta, S. Morimoto, S. Wang, Y. Sakai, Y. Hattori, M. Aizawa, S. Nagashima, P.V.K. Masuda, S. Hattori, T. Yamashita, A. Bao, Z. Hayatsu, M. Kajiya-Kanegae, H. Yoshinaga, I. Sakamoto, K.	Complete genome sequence of Bradyrhizobium sp. S23321: insights into symbiosis evolution in soil oligotrophs	Microbes and Environments	27(3)	306-305	2012
Toyota, K. Nakao, M. Kohara, M. Anda, M. Niwa, R. Jung-Hwan, P. Samejima-Saito, R. Tokuda, S. Yamamoto, S. Yamamoto, S. Yokoyama, T. Akutsu, T. Nakamura, Y. Nakahata-Yanaka, Y. Takada-Hoshino, Y. Hirakawa, H. Mitsui, H. Terasawa, K. Itakura, M. Sato, S. Ikeda-Ohtsubo, W. Sakakura, N. Kamimura, E. Minamisawa, K.					
Takemura, T. Kamo, T. Ismil, R. Bakar, B. Wasano, N. Hiradate, S. Fujii, Y.	Plant growth inhibitor fro, the Malaysian medicinal plant Goniiothalamus andersonii and related species	Natural Product Communications	7(9)	1197-1198	2012

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Tabata, J. Narai, Y. Sawamura, N. Hiradate, S. Sugie, H.	A new class of mealybug pheromones: a hemiterpene ester in the sex pheromone of <i>Crisicoccus matsumotoi</i>	Naturwissenschaften	99(7)	567-574	2012
Ichiki T., R. Ho, G. T. T. Wajnberg, E. Kainoh, Y. Tabata, J. Nakamura, S.	Different uses of plant semiochemicals in host location strategies of the two tachinid parasitoids	Naturwissenschaften	99(9)	687-694	2012
Abe, M. Nishikawa, K. Fukuda, H. Nakanishi, K. Tazawa, Y. Taniguchi, T. Park, S. Hiradate, S. Fujii, Y. Okuda, K. Shindo, M.	Key structural features of cis-cinnamic acid as an allelochemical	Phytochemistry	84	56-67	2012
Kikuchi, Y. Hayatsu, M. Hosokawa, T. Nagayama, A. Tago, K. Fukatsu, T.	Symbiont-mediated insecticide resistance	Proceedings of the National Academy of Sciences of the United States of America	109(22)	8618-8622	2012
Bolan, N.S. Makino, T. Kunhikrishnan, A. Kim, P-J. Ishikawa, S. Murakami, M. Naidu, R. Kirkham, M.B.	Chapter four – Cadmium contamination and its risk management in rice ecosystems	Advances in Agronomy	119	183-273	2013
Kataoka, R. Takagi, K.	Biodegradability and biodegradation pathways of endosulfan and endosulfan sulfate	Applied Microbiology and Biotechnology	97(8)	3285-3292	2013
Nagai, T. Horio, T. Yokoyama, A. Kamiya, T. Takano, H. Makino, T.	Ecological risk assessment of on-site soil washing with iron(III) chloride in cadmium-contaminated paddy field	Ecotoxicology and Environmental Safety	80	84-90	2012
Hu, P. Yin, Y-G. Ishikawa, S. Suzui, N. Kawachi, N. Fujimaki, S. Igura, M. Yuan, C. Huang, J. Li, Z. Makino, T. Luo, Y. Christie, P. Wu, L.	Nitrate facilitates cadmium uptake, transport and accumulation in the hyperaccumulator <i>Sedum plumbizincicola</i>	Environmental Science and Pollution Research	20(9)	6306-6316	2013

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Hogarh, J.N. Seike, N. Kobara, Y. Masunaga, S.	Atmospheric polychlorinated naphthalenes in Ghana	Environmental Science and Technology	46(5)	2600-2606	2012
Watanabe, E. Miyake, S.	Quantitative analysis of fungicide azoxystrobin in agricultural samples with rapid, simple and reliable monoclonal immunoassay	Food Chemistry	136(2)	695-702	2013
Watanabe, E. Kobara, Y. Miyake, S.	Validation of a commercial ELISA for the analysis of the insecticide dinotefuran in a variety of analytically challenging vegetables	Food Additives and Contaminants Part A-Chemistry Analysis Control Exposure & Risk Assessment	29(7)	1067-1073	2012
Takana, M. Takahashi, Y. Yamaguchi, N. Kim, K-W. Zheng, G. Sakamitsu, M.	The difference of diffusion coefficients in water for arsenic compounds at various pH and its dominant factors implied by molecular simulations	Geochimica et Cosmochimica Acta	105	360-371	2013
Wu, L. Li, Z. Akahane, I Liu, L. Han, C. Makino, T. Luo, Y. Christie, P.	Effects of organic amendments on Cd, Zn and Cu bioavailability in soil with repeated phytoremediation by sedum plumbizincicola	International Journal of Phytoremediation	14(10)	1024-1038	2012
Watanabe, E. Kobara, Y. Yogo, Y.	Rapid and simple analysis of pesticides persisting on green pepper surfaces swabbing with solvent-moistened cotton	Journal of Agricultural and Food Chemistry	60(36)	9000-9005	2012
Fujiwara, H. Kawabata, K. Suzuki, J. Shikino, O	Determination of 129I in soil samples by DRC-ICP-MS	Journal of Analytical Atomic Spectrometry	26	2528-2533	2011
Kido, H. Fujiwara, H. Jamsran, U. Endo, A.	The simulation of long-range transport of 137Cs from East Asia to Japan in 2002 and 2006	Journal of Environmental Radioactivity	103(1)	7-14	2012
Zhang, H. Luo, Y. Makino, T. Wu, L. Nanzyo, M	The heavy metal partition in size-fractions of the fine particles in agricultural soils contaminated by waste water and smelter dust	Journal of Hazardous Materials	—	303-312	2013
Seike, N. Sakai, M. Murano, H. Okamoto, M. Saito, T. Narita, I. Hashimoto, Y. Ikeda, Y. Endo, M. Ohtani, T.	Relationship between dieldrin uptake in cucumber fruits and methanol-water extractable residue in soil	Journal of Pesticide Science	37(3)	252-257	2012

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Ishikawa, S. Ishimaru, Y. Igura, M. Kuramata, M. Abe, T. Senoura, T. Hase, Y. Arao, T. Nishizawa K., N. Nakanishi, H.	Ion-beam irradiation, gene identification, and marker-assisted breeding in the development of low-cadmium rice	Proceedings of the National Academy of Sciences of the United States of America	—	19166–19171	2012
Yamaguchi, N. Eguchi, S. Fujiwara, H. Hayashi, K. Tsukada, H.	Radiocesium and radioiodine in soil particles agitated by agricultural practices: Field observation after the Fukushima nuclear accident.	Science of the Total Environment	425	128-134	2012
Uchigashima, M. Watanabe, E. Ito, S. Iwasa, S. Miyake, S.	Development of immunoassay based on monoclonal antibody reacted with the neonicotinoid insecticides clothianidin and dinotefuran	Sensors	12(11)	15858-15872	2012
Saito, T. Ohtani, T. Seike, N. Okazaki, M.	A comparison of dieldrin residues in various vegetable crops cultivated in a contaminated field	Soil Science and Plant Nutrition	58(3)	373-383	2012
Suda, A. Makino, T. Higashi, T.	Extractability of manganese and iron oxides in typical Japanese soils by 0.5 mol L <sup>-1</sup> hydroxylamine hydrochloride (pH 1.5)	Soil Science and Plant Nutrition	68(6)	684-695	2012
Ishimaru, Y. Takahashi, R. Bashir, K. Shimo, H. Senoura, T. Sugimoto, K. Ono, K. Yano, M. Ishikawa, S. Arao, T. Nakanishi, H. Nishizawa K., N.	Characterizing the role of rice NRAMP5 in Manganese, Iron and Cadmium transport	Scientific Reports	2(286)	doi: 10.1038/srep00286	2012
Li, Q. Li, J. Wang, Y. Xu, Y. Pan, X. Zhang, G. Luo, C. Kobara, Y. Nam, J-J Jones, K.C.	Atmospheric short-chain chlorinated paraffins in china, Japan, and South Korea	Environmental Science and Technology	46(21)	11948-11954	2012
Eguchi, S. Sawamoto, M. Shiba, M. Iiyama, I. Hasegawa, S.	Wellbore-Wall Compression Effects on Monitored Groundwater Levels and Qualities	Ground Water	51(3)	452-460	2012

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Hayasaka, D. Suzuki, K. Nomura, T. Nishiyama, M. Nagai, T. Sánchez-Bayo, F. Goka, K.	Comparison of acute toxicity of two neonicotinoid insecticides, imidacloprid and clothianidin, to five cladoceran species	Journal of Pesticide Science	38(1)	44-47	2013
Nagai, T. Yokoyama, A.	Comparison of ecological risks of insecticides for nursery-box application using species sensitivity distribution	Journal of Pesticide Science	37(3)	233-239	2012
Endo, A. Mishima, S. Kohyama, K.	Nitrate percolation and discharge in cropped Andosols and Gray lowland soils of Japan	Nutrient Cycling in Agroecosystems	95(1)	1-21	2013
Kimura, S.D. Yan, X-Y. Hatano, R. Hayakawa, A. Kohyama, K. Ti, C-P. Dneg, M-H. Hojito, M. Itahashi, S. Kuramachi, K. Cai, Z-H. Saito, M.	Influence of agricultural activity on nitrogen budget in Chinese and Japanese watersheds	Pedosphere	22(2)	137-151	2012
Abe, K. Waki, M. Suzuki, K. Kasuya, M. Suzuki, R. Itahashi, S. Banzai, K.	Estimation of Zn and Cu unit output loads from animal husbandry facilities	Water Science and Technology	66(3)	653-658	2012
Sakamoto, T. Gitelson, A.A. Nguy-Robertson, A.L. Arkebauer, T.J. Wardlow, B.D. Suyker, A.E. Verma, S.B. Shibayama, M.	An alternative method using digital cameras for continuous monitoring of crop status	Agricultural and Forest Meteorology	—	113-126	2012
Nishimura, S. Komada, M. Takebe, M. Yonemura, S. Kato, N.	Nitrous oxide evolved from soil covered with plastic mulch film in horticultural field	Biology and Fertility of Soils	48(7)	787-795	2012
Sasai, T. Nakai, S. Setoyama, Y. Ono, K. Kato, S. Mano, M. Murakami, K. Miyata, A. Saigusa, N. Nemani, R.R. Nasahara, K.N.	Analysis of the spatial variation in the net ecosystem production of rice paddy fields using the diagnostic biosphere model, BEAMS	Ecological Modelling	247	175-189	2012

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Yamada, P. Hatta, T. Du, M. Wakimizu, K. Han, J. Maki, T. Isoda, H.	Inflammatory and degranulation effect of yellow sand on RBL-2H3 cells in relation to chemical and biological constituents	Ecotoxicology and Environmental Safety	84	9-17	2012
Alberto, M.C.R. Hirano, T. Miyata, A. Wassmann, R. Kumar, A. Padre, A. Amante, M.	Influence of climate variability on seasonal and interannual variations of ecosystem CO <sub>2</sub> exchange in flooded and non-flooded rice fields in the Philippines	Field Crops Research	134(12)	80-94	2012
Sprague, D.	Land use configuration under traditional agriculture in Japan: a historical GIS analysis	International Journal of Geographical Information Science	27(1)	68-91	2012
Yonezawa, C. Negishi, M. Azuma, K. Watanabe, M. Ishitsuka, N. Ogawa, S. Saito, G.	Growth monitoring and classification of rice fields using multitemporal RADARSAT-2 full-polarimetric data	International Journal of Remote Sensing	33(18)	5696-5711	2012
Azuma, K. Arai, K. Ishitsuka, N.	A thresholding method to estimate quantities of each class	International Journal of Applied Sciences	3(2)	35-46	2012
Inoue, Y. Dabrowska-Zierinska, K. Qi, J.	Synoptic assessment of environmental impact of agricultural management: a case study on nitrogen fertiliser impact on groundwater quality, using a fine-scale geoinformation system	International Journal of Environmental Studies	69(3)	443-460	2012
Li, R. Luo, T. Tang, Y. Du, M. Xianzhou, Z	The altitudinal distribution center of a widespread cushion species is related to an optimum combination of temperature and precipitation in the central Tibetan Plateau	Journal of Arid Environments	88	70-77	2013
Ichii, K. Kondo, M. Lee, Y-H. Wang, S-Q. Kim, J. Ueyama, M. Lim, H-J. Shi, H. Suzuki, T. Ito, A. Kwon, H. Ju, W. Huang, M. Sasai, T. Asanuma, J. Han, S. Hirano, T. Hirata, R. Kato, T. Li, S-G. Li, Y-N. Maeda, T.	Site-level model–data synthesis of terrestrial carbon fluxes in the CarboEastAsia eddy-covariance observation network: toward future modeling efforts	Journal of Forest Research	18(1)	13-20	2013

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Miyata, A. Matsuura, Y. Murayama, S. Nakai, Y. Ohta, T. Saitoh M., T. Saigusa, N. Takagi, K. Tang, Y-H. Wang, H-M. Yu, G-R. Zhang, Y-P. Zhao, F-H.					
Yonemura, S. Yokozawa, M. Sakurai, G. Kishimoto-Mo, A-W. Lee, N. Murayama, S. Ishijima, K. Shirato, Y. Koizumi, H.	Vertical soil-air CO <sub>2</sub> dynamics at the Takayama deciduous broadleaved forest AsiaFlux site	Journal of Forest Research	18(1)	49-59	2013
Saigusa, N. Li, S-G. Kwon, H. Takagi, K. Zhang, L-M. Ide, R. Ueyama, M. Asanuma, J. Choi, Y-J. Chun, J-H. Han, S-J. Hirano, T. Hirata, R. Kang, M. Kato, T. Kim, J. Li, Y-N. Maeda, T. Miyata, A. Mizoguchi, Y. Murayama, S. Nakai, Y. Ohta, T. Saitoh, T-M. Wang, H-M. Yu, G-R. Zhang, Y-P. Zhao, F-H.	Dataset of CarboEastAsia and uncertainties in the CO <sub>2</sub> budget evaluation caused by different data processing	Journal of Forest Research	18(1)	41-48	2013
Thompson, A.M. Miller, S.K. Tilmes, S. Kollonige, D.W. Witte, J.C. Oltmans, S.J. Johnson, B.J. Fujiwara, M. Schmidlin, F.J. Coetzee, G. J. R. Komala, N. Maata, M. Mohamad, M.	Southern Hemisphere Additional Ozonesondes (SHADOZ) ozone climatology (2005–2009): Tropospheric and tropical tropopause layer (TTL) profiles with comparisons to OMI-based ozone products	Journal of Geophysical Research	117 (D23)	doi: 10.1029/ 2011JD 016911	2012

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Nguyo, J. Mutai, C. Ogino, S-Y. Raimundo Da Silva, F. Paes Leme, N. M. Posny, F. Scheele, R. Selkirk, B.H. Shiotani, M. Stübi, R. Levrat, G. Calpini, B. Thouret, V. Tsuruta, H. Valverde Canossa, J. Vömel, H. Yonemura, S. Diaz, J.A. Thanh, N. T.T. Thuy, T.H.					
Wang, Z. Luo, T. Li, R. Tang, Y. Du, M.	Causes for the unimodal pattern of biomass and productivity in alpine grasslands along a large altitudinal gradient in semi-arid regions	Journal of Vegetation Science	24(1)	189-201	2013
Maki, T. Isoda, H. Morio, T. Yamada, P. Hatta, T. Du, M. Wakimizu, K.	Outbreak of foot-and-mouth disease in Miyazaki from March to July 2010	Journal of Arid Land Studies	22(1)	167-170	2012
Du, M. Yonemura, S. Zhang, X. He, Y. Liu, J. Kawashima, S.	Climate warming due to overgrazing on the Tibetan Plateau - An example at damxung in the central part of the Tibetan Plateau -	Journal of Arid Land Studies	22(1)	119-122	2012
Shibayama, M. Sakamoto, T. Takada, E. Inoue, A. Morita, K. Yamaguchi, T. Takahashi, W. Kimura, K.	Estimating rice leaf greenness (SPAD) using fixed-point continuous observations of visible red and near infrared narrow-band digital images	Plant Production Science	15(4)	293-309	2012
Flexas, J. Barbour, M.M. Brendelc, O. Cabrera, H.M. Carriqui, M. Díaz-Espejo, A. Douthe, C. Dreyer, E. Ferrio, J.P. Gago, J. Gallé, A. Galmés, J. Kodama, N. Medrano, H. Niinemets, Ü, Peguero-Pina, J. J. Pou, Ribas-Carbó, A.M. Tomás, M. Tosens, T. Warren, C.R.	Mesophyll diffusion conductance to CO <sub>2</sub> : An unappreciated central player in photosynthesis	Plant Science	193-194	70-84	2012



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Zhang, F-W. Li, Y-N. Cao, G-M. Wang, S-P. Zhao, X-Q. Du, M-Y Wang, Q-X.	Response of Alpine plant community to simulated climate change: Two-year results of reciprocal translocation experiment (Tibetan Plateau)	Polish Journal of Ecology	59(4)	741-751	2011
Inoue, Y. Sakaiya, E.	Relationship between X-band backscattering coefficients from high-resolution satellite SAR and biophysical variables in paddy rice	Remote Sensing Letters	4(3)	288-295	2013
Peng, Y. Gitelson, A.A. Sakamoto, T.	Remote estimation of gross primary productivity in crops using MODIS 250 m data	Remote Sensing of Environment	128	186-196	2013
Inoue, Y. Sakaiya, E. Zhu, Y. Takahashi, W.	Diagnostic mapping of canopy nitrogen content in rice based on hyperspectral measurements	Remote Sensing of Environment	126	210-221	2012
Thanyapraneeedkul, J. Muramatsu, K. Daigo, M. Furumi, S. Soyama, N. Nishida N., K. Nasahara, H. Muraoka, H. Noda M., H. Nagai, S. Maeda, T. Mano, M. Mizoguchi, Y.	A vegetation index to estimate terrestrial gross primary production capacity for the global change observation mission-climate (GCOM-C)/second-generation global Imager (SGLI) satellite sensor	Remote Sensing	4	3689-3720	2012
Duan, J. Wang, S. Zhang, Z. Xu, G. Luo, C. Chang, X. Zhu, X. Cui, S. Zhao, X. Wang, W. Du, M.	Non-additive effect of species diversity and temperature sensitivity of mixed litter decomposition in the alpine meadow on Tibetan Plateau	Soil Biology and Biochemistry	57	841-847	2013
Shimizu, M. Hatano, R. Arita, T. Kouda, Y. Mori, A. Matsuura, S. Niimi, M. Jin, T. Desyatkin, A.R. Kuwamura, O. Hojito, M. Miyata, A.	The effect of fertilizer and manure application on CH <sub>4</sub> and N <sub>2</sub> O emissions from managed grasslands in Japan	Soil Science and Plant Nutrition	59(1)	69-86	2013

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Ueyama, M. Hirata, R. Mano, M. Hamotani, K. Harazono, Y. Hirano, T. Miyata, A. Takagi, K. Takahashi, Y.	Influences of various calculation options on heat, water and carbon fluxes determined by open- and closed-path eddy covariance methods	Tellus Series B-Chemical and Physical Meteorology	64 (19048)	<a href="http://dx.doi.org/10.3402/tellusb.v64i0.19048">http://dx.doi.org/10.3402/tellusb.v64i0.19048</a>	2012
Ito, M. Sato, I. Ishizaka, M. Yoshida, S. Koitabashi, M. Yoshida, S. Tsushima, S.	Bacterial cytochrome P450 system catabolizing the Fusarium toxin deoxynivalenol	Applied and Environmental Microbiology	79(5)	1619-1628	2013
Henry, C.S. Brooks, S.J. Duelli, P. Johnson, J.B. Wells, M.M. Mochizuki, A.	Parallel evolution in courtship songs of North American and European green lacewings (Neuroptera: Chrysopidae)	Biological Journal of the Linnean Society	105(4)	776-796	2012
Osawa, T. Mitsuhashi, H. Niwa, H.	Many alien invasive plants disperse against the direction of stream flow in riparian areas	Ecological Complexity	—	26-32	2013
Kurose, D. Furuya, N. Tsuchiya, K. Tsushima, S. Evans, H.C.	Endophytic fungi associated with Fallopia japonica (Polygonaceae) in Japan and their interactions with Puccinia polygoni-amphibii var. tovariae, a candidate for classical biological control	Fungal Biology	116(7)	785-791	2012
Matsuura, S. Sasaki, H. Kohyama, K.	Organic carbon stocks in grassland soils and their spatial distribution in Japan	Grassland Science	58(2)	79-93	2012
Nie, R-E. Mochizuki, A. Brooks, S.J. Liu, X-Q. Yang, X-K.	Phylogeny of the green lacewing Chrysoperla nipponensis species-complex (Neuroptera: Chrysopidae) in China, based on mitochondrial sequences and AFLP data	Insect Science	19(6)	633-642	2012
Suga, Y. Horita, M. Umekita, M. Furuya, N. Tsuchida, K.	Pathogenic characters of Japanese potato strains of Ralstonia solanacearum	Journal of General Plant Pathology	79(2)	110-114	2013
Fujii, T. Yoshitake, H. Matsuo, K. Tokuda, M.	Collection records of Darumazo distinctus (Coleoptera, Curculionidae) from galls induced by Asterolobia sasakii (Diptera, Cecidomyiidae) on the Izu Islands, Japan	Japanese Journal of Systematic Entomology	18(2)	253-256	2012
Kudo, Y. Kojima, H. Yoshitake, H. Baba, Y. Kobayashi, N.	Population structure of the flightless supralittoral weevil, Aphela gotoi (Coleoptera, Curculionidae) inferred from mitochondrial COI sequences	Japanese Journal of Systematic Entomology	18(2)	195-202	2012
Yoshitake, H. Miyahara, S. Nishino, M. Suzuki, K.	Metapocyrtus (Trachycyrtus) hederaeaphilus sp. nov. (Coleoptera, Curculionidae, Entiminae), a pest of the English ivy cultivated in Mie prefecture, Honshu, Japan	Japanese Journal of Systematic Entomology	18(2)	261-267	2012

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Yoshitake, H.	Occurrence of ceutorhynchus nitidulus (Faust) (Coleoptera, Curculionidae, Ceutorhynchinae) in Japan	Japanese Journal of Systematic Entomology	18(1)	41-44	2012
Yoshimatsu, S. Yanagita, Y. Shibahara, K.	Mythimna subplacida(Sugi) (Lepidoptera, Noctuidae, Hadeninae) new to the fauna of Japan	Lepidoptera Science	63(4)	175-177	2012
Hyakumachi, M. Nishimura, M. Arakawa, T. Asano, S. Yoshida, S. Tsushima, S. Takahashi, H.	Bacillus thuringiensis suppresses bacterial wilt disease caused by ralstonia solanacearum with systemic induction of defense-related gene expression in tomato	Microbes and Environments	28(1)	128-134	2013
Yoshida, S. Ohba, A. Liang, Y-M. Koitabashi, M. Tsushima, S.	Specificity of pseudomonas isolates on healthy and fusarium head blight-infected spikelets of wheat heads	Microbial Ecology	64(1)	214-225	2012
Eguchi, T. Tanaka, R. Maejima, Y. Tamura, K.	The influence of aeolian dust in non-allophanic Andosols on Yakushima Island	Soil Science and Plant Nutrition	58(2)	191-199	2012
Okuro, T. Jiao, Y. Yamamoto, S.	Integrated assessment of biodiversity and multi-functionality of Satoyama landscape	Global Environmental Research	16(2)	205-212	2012
Chung, W-H. Deepak, S.A. Ishii, H.	Effect of acibenzolar-S-methyl, strobilurins and other fungicide treatments on phylloplane fungi of crops	Journal of General Plant Pathology	79(2)	128-135	2013
De Miccolis Angelin, R. Rotolo, M. Masiello, M. Pollastro, S. Ishii, H. Faretra, F.	Genetic analysis and molecular characterisation of laboratory and field mutants of Botryotinia fuckeliana (Botrytis cinerea) resistant to QoI fungicides	Pest Management Science	68(9)	1231-1240	2012

# Appendix

## Research staff activities (English papers)

Author(s)	Title	Journal Title	Vol.(No.)	Pages	Year
Ono, K. Hiradate, S. Morita, S. Hirai, K.	Fate of organic carbon during decomposition of different litter types in Japan	Biochemistry	112 (1-3)	7-21	2013
Yamamoto, A. Akiyama, H. Naokawa, T. Miyazaki, Y. Honda, Y. Sano, Y. Nakajima, Y. Yagi, K.	Lime-nitrogen application affects nitrification, denitrification, and N <sub>2</sub> O emission in an acidic tea soil	Biology and Fertility of Soils	50(1)	53-62	2014
Minamikawa, K. Fumoto, T. Itoh, M. Hayano, M. Sudo, S. Yagi, K.	Potential of prolonged midseason drainage for reducing methane emission from rice paddies in Japan: a long-term simulation using the DNDC-Rice model	Biology and Fertility of Soils	50(6)	879-889	2014
Rennert, T. Eusterhues, K. Hiradate, S. Breitzke, H. Buntkowsky, G. Totsche, K.U. Mansfeldt, T.	Characterisation of Andosols from Laacher See tephra by wet-chemical and spectroscopic techniques (FTIR, <sup>27</sup> Al-, <sup>29</sup> Si-NMR)	Chemical Geology	363	13-21	2014
Shirato, Y. Jomura, M. Wagai, R. Kondo, M. Tanabe, K. Uchida, M.	Deviations between observed and RothC-simulated $\Delta^{14}\text{C}$ values despite improved IOM initialization	European Journal of Soil Science	64(5)	576-585	2013
Asano, M. Wagai, R.	Evidence of aggregate hierarchy at micro- to submicron scales in an allophanic Andisol	Geoderma	216	62-74	2014
Fumoto, T. Hasegawa, T. Cheng, W. Hoque, M.M. Yamakawa, Y. Shimono, H. Kobayashi, K. Okada, M. Li, C.	Application of a process-based biogeochemistry model, DNDC-Rice, to a rice field under free-air CO <sub>2</sub> enrichment (FACE)	Journal of Agricultural Meteorology	69(3)	173-190	2013
Hayashi, K. Cooper, J. Loonen, M.J.J.E. Kishimoto-Mo, A.W. Motohka, T. Uchida, M. Nakatsubo, T.	Potential of Svalbard reindeer winter droppings for emission/absorption of methane and nitrous oxide during summer	Polar Science	8(2)	196-206	2013
Nishimura, S. Fujitake, N. Hiradate, S. Shindo, H.	Physicochemical and spectroscopic characteristics of charred plant fragments in Japanese volcanic ash soils	Soil Science	117(12)	695-700	2012

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Yamamoto, A. Akiyama, H. Naokawa, T. Yagi, K.	Lime-nitrogen application reduces N <sub>2</sub> O emission from a vegetable field with imperfectly-drained sandy clay-loam soil	Soil Science and Plant Nutrition	59(3)	442-449	2013
Uchida, Y. Akiyama, H.	Mitigation of postharvest nitrous oxide emissions from soybean ecosystems: a review	Soil Science and Plant Nutrition	59(4)	477-487	2013
Hayano, M. Fumoto, T. Yagi, K. Shirato, Y.	National-scale estimation of methane emission from paddy fields in Japan: Database construction and upscaling using a process-based biogeochemistry model	Soil Science and Plant Nutrition	59(5)	812-823	2013
Katata, G. Hayashi, K. Ono, K. Nagai, H. Miyata, A. Mano, M.	Coupling atmospheric ammonia exchange process over a rice paddy field with a multi-layer atmosphere-soil-vegetation model	Agricultural and Forest Meteorology	180	1-21	2013
Bao, Z. Watanabe, A. Sasaki, K. Okubo, T. Tokida, T. Liu, D. Ikeda, S. Imaizumi-Anraku, H. Asakawa, S. Sato, T. Mitsui, H. Minamisawa, K.	A rice gene for microbial symbiosis, OsCCaMK, reduces CH <sub>4</sub> flux in a paddy field with low nitrogen input	Applied and Environmental Microbiology	80(6)	1995-2003	2014
Hayashi, K. Matsuda, K. Ono, K. Tokida, T. Hasegawa, T.	Amelioration of the reactive nitrogen flux calculation by a day/night separation in weekly mean air concentration measurements	Atmospheric Environment	79	462-471	2013
Ono, K. Maruyama, A. Ku wagata, T. Mano, M. Takimoto, T. Hayashi, K. Hasegawa, T. Miyata, A.	Canopy-scale relationships between stomatal conductance and photosynthesis in irrigated rice	Global Change Biology	19(7)	2209-2220	2013
Shimono, H. Nakamura, H. Hasegawa, T. Okada, M.	Lower responsiveness of canopy evapotranspiration rate than of leaf stomatal conductance to open-air CO <sub>2</sub> elevation in rice	Global Change Biology	19(8)	2444-2453	2013
Okada, M. Nakamura, H. Kim, H-Y. Yoshimoto, M.	Design and performance of a laser-gauging microlysimeter for measuring the water balance of paddy rice	Journal of Agricultural Meteorology	69(3)	209-214	2013
Hayashi, K. Mano, M. Ono, K. Takimoto, T. Miyata, A.	Four-year monitoring of atmospheric ammonia using passive samplers at a single-crop rice paddy field in central Japan	Journal of Agricultural Meteorology	69(4)	229-241	2013

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Zhang, G. Sakai, H. Tokida, T. Usui, Y. Zhu, C. Nakamura, H. Yoshimoto, M. Fukuoka, M. Kobayashi, K. Hasegawa, T.	The effects of free-air CO <sub>2</sub> enrichment (FACE) on carbon and nitrogen accumulation in grains of rice ( <i>Oryza sativa</i> L.)	Journal of Experimental Botany	64(11)	3179-3188	2013
Katayanagi, N. Ono, K. Fumoto, T. Mano, M. Miyata, A. Hayashi, K.	Validation of the DNDC-Rice model to discover problems in evaluating the nitrogen balance at a paddy-field scale for single-cropping of rice	Nutrient Cycling in Agroecosystems	95(2)	255-268	2013
Hayashi, K. Tokida, T. Yashima M., M. Ono, K. Nakamura, H. Hasegawa, T.	Free-air CO <sub>2</sub> enrichment (FACE) net nitrogen fixation experiment at a paddy soil surface under submerged conditions	Nutrient Cycling in Agroecosystems	98(1)	57-69	2013
Adachi, M. Hasegawa, T. Fukuyama, H. Tokida, T. Sakai, H. Matsunami, T. Nakamura, H. Sameshima, R. Okada, M.	Soil and water warming accelerates phenology and down-regulation of leaf photosynthesis of the rice plants grown under free-air CO <sub>2</sub> enrichment (FACE)	Plant and Cell Physiology	55(2)	370-380	2014
Chen, P.C. Sakai, H. Tokida, T. Usui, Y. Nakamura, H. Hasegawa, T.	Do the rich always become richer? Characterizing the leaf physiological response of the high-yielding rice cultivar Takanari to free-air CO <sub>2</sub> enrichment	Plant and Cell Physiology	55(2)	381-391	2014
Pasuquin, E.M. Hasegawa, T. Eberbach, P. Reinke, R. Wade, L.J. Lafarge, T.	Responses of eighteen rice ( <i>Oryza sativa</i> L.) cultivars to temperature tested using two types of growth chambers	Plant Production Science	16(3)	217-225	2013
Yano, M. Toyoda, S. Tokida, T. Hayashi, K. Hasegawa, T. Makabe, A. Koba, K. Yoshida, N.	Isotopomer analysis of production, consumption and soil-to-atmosphere emission processes of N <sub>2</sub> O at the beginning of paddy field irrigation	Soil Biology and Biochemistry	70	66-78	2014

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Kuwagata, T. Ishigooka, Y. Fukuoka, M. Yoshimoto, M. Hasegawa, T. Usui, Y. Sekiguchi, T.	Temperature difference between meteorological station and nearby farmland –Case study for Kumagaya city in Japan–	Sola	10	45-49	2014
Yoshida, R. Iizumi, T. Nishimori, M.	Impact functions for land-use-induced surface warming, and their applications in uncertainty analysis	Climate Research	59(1)	77-87	2014
Iizumi, T. Yokozawa, M. Sakurai, G. Travasso, M.I. Romanernkov, V. Oettli, P. Newby, T. Ishigooka, Y. Furuya, J.	Historical changes in global yields: major cereal and legume crops from 1982 to 2006	Global Ecology and Biogeography	23(3)	346-357	2013
Satake, A. Kawagoe, T. Saburi, Y. Chiba, Y. Sakurai, G. Kudoh, H.	Forecasting flowering phenology under climate warming by modelling the regulatory dynamics of flowering-time genes	Nature Communicatons	4	doi: 10.1038/ ncommns 3303	2013
Iizumi, T. Sakuma, H. Yokozawa, M. Luo, J. Challinor, A.J. Brown, M.E. Sakurai, G. Yamagata, T.	Prediction of seasonal climate-induced variations in global food production	Nature Climate Change	3	904-908	2013
Kunimitsu, Y. Iizumi, T. Yokozawa, M.	Is long-term climate change beneficial or harmful for rice total factor productivity in Japan: evidence from a panel data analysis	Paddy and Water Environment	—	doi: 10.1007/ s10333-013- 0368-0	2013
Kotera, A. Nguyen, K.D. Sakamoto, T. Iizumi, T. Yokozawa, M.	A modeling approach for assessing rice cropping cycle affected by flooding, salinity intrusion, and monsoon rains in the Mekong Delta, Vietnam	Paddy and Water Environment	12(3)	343-354	2013
Baba G., Y.	A new species of the genus Marpissa (Araneae: Salticidae) from Japan	Acta Archnologica	62(1)	51-53	2013
Baba G., Y.	Two new species of jumping spider (Araneae: Salticidae) from Japan	Acta Archnologica	62(2)	103-107	2013
Kaneda, S. Frouz, J. , Baldrian, P. Cajthaml, T. Křišťůfek, V.	Does the addition of leaf litter affect soil respiration in the same way as addition of macrofauna excrements (of <i>Bibio marci</i> Diptera larvae) produced from the same litter?	Applied Soil Ecology	72	7-13	2013
Katayama, N. Goto, T. Narushima, F. Amano, T. Kobori, H. Miyashita, T.	Indirect positive effects of agricultural modernization on the abundance of Japanese tree frog tadpoles in rice fields through the release from predators	Aquatic Ecology	47(2)	225-234	2013

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Fukano, Y. Tanaka, K. Yahara, T.	Directional selection for early flowering is imposed by a re-associated herbivore - but no evidence of directional evolution	Basic and Applied Ecology	14(5)	387-395	2013
Heděnc, . Radochová, P. Nováková, A. Kaneda, S. Frouz, J.	Grazing preference and utilization of soil fungi by <i>Folsomia candida</i> (Isotomidae: Collembola)	European Journal of Soil Biology	55	66-70	2014
Hayakawa, H. Ohga, K. Miyata, H. Arakawa, R. Ito, K. Tebayashi, S. Ikeda, H. Fukuda, T.	Phylogenetic background of a glabrous individual of <i>Spiranthes sinensis</i> var. <i>amoena</i> (Orchidaceae) collected in Kochi Prefecture, Japan	Journal of Phytogeography and Taxonomy	61(1)	45-50	2013
Katayama, N. Amano, T. Naoe, S. Yamakita, T. Komatsu, I. Takagawa, S. Sato, N. Ueta, M. Miyashita, T.	Landscape heterogeneity–biodiversity relationship: effect of range size	Plos One	9(3)	e93359	2014
Okada, H. Sakai, H. Tokida, T. Usui, Y. Nakamura, N. Hasegawa, T.	Elevated temperature has stronger effects on the soil food web of a flooded paddy than does CO <sub>2</sub>	Soil Biology and Biochemistry	70	166-175	2014
Katayama, N. Amano, T. Fujita, G. Higuchi, H.	Spatial overlap between the intermediate egret <i>egretta intermedia</i> and its aquatic prey at two spatiotemporal scales in a rice paddy landscape	Zoological Studies	51(7)	1105-1112	2013
Yoshida, M. Hayakawa, H. Fukuda, T. Yokoyama, J.	Incongruence between morphological and molecular traits in populations of <i>Viola violacea</i> (Violaceae) in Yamagata prefecture, northern honshu, Japan	Acta Phytotaxonomica et Geobotanica	63(3)	121-134	2013
Shimono, Y. Kurokawa, S. Nishida, T. Ikeda, H. Futagami, N.	Phylogeography based on intraspecific sequence variation in chloroplast DNA of <i>Miscanthus sinensis</i> (Poaceae), a native pioneer grass in Japan	Botany	91(7)	449-456	2013
Shimono, Y. Hayakawa, H. Kurokawa, S. Nishida, T. Ikeda, H. Futagami, N.	Phylogeography of Mugwort ( <i>Artemisia indica</i> ), a native pioneer herb in Japan	Journal of Heredity	104(6)	830-841	2013
Takano, S. Mochizuki, A. Takasu, K. Konishi, K. Alouw, J.C. Pandin, D.S. Nakamura, S.	Rapid discrimination of two cryptic species within <i>Brontispa longissima</i> (Gestro) (Coleoptera: Chrysomelidae) by PCR–RFLP	Journal of Pesticide Science	86(2)	151-155	2013



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Ohigashi, K. Mizuguti, A. Yoshimura, Y. Matsuo, K. Miwa, T.	A new method for evaluating flowering synchrony to support the temporal isolation of genetically modified crops from their wild relatives	Journal of Plant Research	127(1)	109-117	2014
Iwakami, S. Uchino, A. Kataoka, Y. Shibaïke, H. Watanabe, H. Inamura, T.	Cytochrome P450 genes induced by bispyribac-sodium treatment in a multiple-herbicide-resistant biotype of <i>Echinochloa phyllopogon</i>	Pest Management Science	70(4)	549-558	2013
Ikka, T. Ogawa, T. Li, D. Hiradate, S. Morita, A.	Effect of aluminum on metabolism of organic acids and chemical forms of aluminum in root tips of <i>Eucalyptus camaldulensis</i> Dehnh	Phytochemistry	94	142-147	2013
Mitsuyuki, C. Hoya, A. Shibaïke, H. Watanabe, M. Yahara, T.	Formation of a hybrid triploid agamosperm on a sexual diploid plant: evidence from progeny tests in <i>Taraxacum platycarpum</i> Dahlst	Plant Systematics and Evolution	300(5)	863-870	2013
Kiritani, K. Yamashima, H. Yamamura, K.	Beak marks on butterfly wings with special reference to Japanese black swallowtail	Population Ecology	55(3)	451-459	2013
Tabata, J.	A convenient route for synthesis of 2-isopropyliden-5-methyl-4-hexen-1-yl butyrate, the sex pheromone of <i>Planococcus kraunhiae</i> (Hemiptera: Pseudococcidae), by use of $\beta,\gamma$ to $\alpha,\beta$ double-bond migration in an unsaturated aldehyde	Applied Entomology and Zoology	48(2)	229-232	2013
Yoneya, K. Kugimiya, S. Takabayashi, J.	Leaf beetle larvae, <i>Plagioderia versicolora</i> (Coleoptera: Chrysomelidae), show decreased performance on uninfested host plants exposed to airborne factors from plants infested by conspecific larvae	Applied Entomology and Zoology	49(2)	249-253	2014
Shinozaki, Y. Kikkawa, Y. Sato, S. Fukuoka, T. Watanabe, T. Yoshida, S. Nakajima-Kambe, T. Kitamoto K., H.	Enzymatic degradation of polyester films by a cutinase-like enzyme from <i>Pseudozyma antarctica</i> : surface plasmon resonance and atomic force microscopy study	Applied Microbiology and Biotechnology	97(19)	8591-8598	2013
Suzuki, K. Noguchi T., M. Shinozaki, Y. Koïtabashi, M. Sameshima Y., Y. Yoshida, Y. Fujii, T. Kitamoto K., H.	Purification, characterization, and cloning of the gene for a biodegradable plastic-degrading enzyme from <i>Paraphoma</i> -related fungal strain B47-9	Applied Microbiology and Biotechnology	98(10)	4457-4465	2014
Kawazu, K. Mochizuki, A. Sugeno, W. Seo, S. Mitsuhara, I.	Differences in the susceptibility of five herbivore species and developmental stages to tomato resistance induced by methyl jasmonate treatment	Arthropod-Plant Interactions	7(4)	415-422	2013

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Takemura, T. Sakuno, E. Kamo, T. Hiradate, S. Fujii, Y.	Screening of the growth-inhibitory effects of 168 plant species against lettuce seedlings	American Journal of Plant Sciences	4(5)	1095-1104	2013
Watanabe, T. Iefune, H. Kitamoto K., H.	Genome-wide screening to study breeding methods to improve the nitrogen accumulation ability of yeast without gene recombinant techniques	Bioscience Biotechnology and Biochemistry	77(5)	917-922	2013
Kawahigashi, H. Kasuga, S. Okuizumi, H. Hiradate, S. Yonemaru, J.	Evaluation of Brix and sugar content in stem juice from sorghum varieties	Grassland Science	59(1)	11-19	2013
Watanabe, T. Shinozaki, Y. Yoshida, S. Koitabashi, M. Sameshima Y., Y. Fujii, T. Fukuoka, T. Kitamoto K., H.	Xylose induces the phyllosphere yeast <i>Pseudozyma antarctica</i> to produce a cutinase-like enzyme which efficiently degrades biodegradable plastics	Journal of Bioscience and Bioengineering	117(3)	325-329	2013
Takemura, T. Kamo, T. Sakuno, E. Hiradate, S. Fujii, Y.	Discovery of coumarin as the predominant allelochemical in <i>Gliricidia sepium</i>	Journal of Tropical Forest Science	25(2)	268-272	2013
Sakai, Y. Ogawa, N. Shimomura, Y. Fujii, T.	A 2,4-dichlorophenoxyacetic acid degradation plasmid pM7012 discloses distribution of an unclassified megaplasmid group across bacterial species	Microbiology-SGM	160	525-536	2014
Oka, K. Amano, Y. Katou, S. Seo, S. Kawazu, K. Mochizuki, A. Kuchitsu, K. Mitsuhara, I	Tobacco MAP kinase phosphatase (NtMKP1) negatively regulates wound response and induced resistance against necrotrophic pathogens and lepidopteran herbivores	Molecular Plant-Microbe Interactions	26(6)	668-675	2013
Nishikawa, K. Fukuda, H. Abe, M. Nakanishi, K. Taniguchi, T. Nomura, T. Yamaguchi, C. Hiradate, S. Fujii, Y. Okuda, K. Shindo, M.	Substituent effects of cis-cinnamic acid analogues as plant growth inhibitors	Phytochemistry	96	132-147	2013
Nishikawa, K. Fukuda, H. Abe, M. Nakanishi, K. Tazawa, Y. Yamaguchi, C. Hiradate, S. Fujii, Y. Okuda, K. Shindo, M.	Design and synthesis of conformationally constrained analogues of cis-cinnamic acid and evaluation of their plant growth inhibitory activity	Phytochemistry	96	223-234	2013

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Abe, H. Tateishi, K. Seo, S. Kugimiya, S. Hirai Y., M. Sawada, Y. Murata, Y. Yara, K. Shimoda, T. Kobayashi, M.	Disarming the Jasmonate-dependent plant defense makes nonhost arabidopsis plants accessible to the American serpentine leafminer1	Plant Physiology	163(3)	1242-1253	2013
Shigematsu, M. Ogawa, T. Tanaka, W. Takahashi, K. Kitamoto K., H. Hidaka, M. Masaki, H.	Evidence for dna cleavage caused directly by a transfer rna-targeting toxin	Plos One	8(9)	e75512	2013
Lassance, J-M. Li�nard, M.A. Antony, B. Qian, S. Fujii, T. Tabata, J. Ishikawa, Y. L�fstedt, C.	Functional consequences of sequence variation in the pheromone biosynthetic gene pgFAR for Ostrinia moths	Proceedings of the National Academy of Sciences of the United States of America	110(10)	3967-3972	2013
Kudo, K. Yamaguchi, N. Makino, T. Ohtsuka, T. Kimura, K. Dong, D.T. Amachi, S.	Release of Arsenic from Soil by a Novel Dissimilatory Arsenate- Reducing Bacterium, Anaeromyxobacter sp. Strain PSR-1	Applied and Environmental Microbiology	79(15)	4635-4642	2013
Momma, N. Kobara, Y. Uematsu, S. Kita, N. Shinmura, A.	Development of biological soil disinfestations in Japan	Applied Microbiology and Biotechnology	97(9)	3801-3809	2013
Hogarth, J.N. Seike, N. Kobara, Y. Masunaga, S.	Seasonal variation of atmospheric polychlorinated biphenyls and polychlorinated naphthalenes in Japan	Atmospheric Environment	80	275-280	2013
Abe, T. Nonoue, Y. Ono, N. Omoteno, M. Kuramata, M. Fukuoka, S. Yamamoto, T. Yano, M. Ishikawa, S.	Detection of QTLs to reduce cadmium content in rice grains using LAC23/Koshihikari chromosome segment substitution lines	Breeding Science	63(3)	284-291	2013
Tue, N.M. Takahashi, S. Suzuki, G. Isobe, T. Viet, P.H. Kobara, Y. Seike, N. Zhang, G. Sudaryanto, A. Tanabe, S.	Contamination of indoor dust and air by polychlorinated biphenyls and brominated flame retardants and relevance of non-dietary exposure in Vietnamese informal e-waste recycling sites	Environment International	51	160-167	2013

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Ohtsuka, T. Yamaguchi, N. Makino, T. Sakurai, K. Kimura, K. Kudo, K. Homma, E. Dong, D.T. Amachi, S.	Arsenic dissolution from Japanese paddy soil by a dissimilatory arsenate-reducing bacterium geobacter sp. OR-1	Environmental Science and Technology	47	6263-6271	2013
Yamaguchi, N. Ohkura, T. Takahashi, Y. Maejima, Y. Arao, T.	Arsenic distribution and speciation near rice roots influenced by iron plaques and redox conditions of the soil matrix	Environmental Science and Technology	48(3)	1549-1556	2014
Watanabe, E. Miyake, S.	Quantitative determination of neonicotinoid insecticide thiamethoxam in agricultural samples: a comparative verification between high-performance liquid chromatography and monoclonal antibody-based immunoassay	Food Analytical Methods	6(2)	658-666	2013
Kikuchi, S. Makita, H. Takai, K. Yamaguchi, N. Takahashi, Y.	Characterization of biogenic iron oxides collected by the newly designed liquid culture method using diffusion chambers	Geobiology	122(2)	133-145	2014
Akahane, I. Makino, T. Maejima, Y. Kamiya, T. Takano, H. Ibaraki, T. Inahara, M.	Remediation of cadmium-contaminated paddy soils by washing with ferric chloride (FeCl <sub>3</sub> ): Effect of soil washing on the cadmium concentration in soil solution and spinach	Jarq-Japan Agricultural Research Quarterly	47(3)	273-281	2013
Watanabe, E. Kobara, Y. Baba, K. Eun, H.	Reduction of hazardous organic solvent in sample preparation for hydrophilic pesticide residues in agricultural products with conventional liquid chromatography	Journal of Agricultural and Food Chemistry	61(20)	4792-4798	2013
Watababe, E. Miyake, S. Yogo, Y.	Review of enzyme-linked immunosorbent assays (ELISAs) for analyses of neonicotinoid insecticides in agro-environments	Journal of Agricultural and Food Chemistry	61(51)	12459-12472	2013
Tanaka, M. Togo S., Y. Yamguchi, N. Takahashi, Y.	An EXAFS study on the adsorption structure of phenyl-substituted organoarsenic compounds on ferrihydrite	Journal of Colloid and Interface Science	415	13-17	2014
Bolan, N. Kunhikrishnan, A. Thangarajan, R. Kumpiene, J. Park, J. Makino, T. Kirkham, M.B. Scheckel, K.	Remediation of heavy metal(loid)s contaminated soils – To mobilize or to immobilize?	Journal of Hazardous Materials	266	141-166	2014
Watanabe, E. Kobara, Y. Miyake, S.	Rapid and simple immunochemical screening combined with hand-shaking extraction for thiamethoxam residue in agricultural products	Journal of the Science of Food and Agriculture	93(8)	1839-1844	2013

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Inui, H. Sawabe, M. Goto, J. Yamazaki, K. Kodama, N. Tsuruta, H. Eun, H.	A major latex-like protein is a key factor in crop contamination by persistent organic pollutants1[w][oa]	Plant Physiology	161(4)	2128-2135	2013
Kuramata, M. Abe, T. Kawasaki, A. Ebana, K. Shibaya, T. Yano, M. Ishikawa, S.	Genetic diversity of arsenic accumulation in rice and QTL analysis of methylated arsenic in rice grains	Rice	6(3)	doi: 10.1186/ 1939-8433- 6-3	2013
Sugiyama, K. Kami, D. Muro, T. Ueno, T. Seike, N. Otani, T.	Identification and inheritance of a winter squash cultivar ( <i>Cucurbita maxima</i> ) with low heptachlor epoxide uptake ability	Scientia Horticulturae	161	35-42	2013
Namiki, S. Otani, T. Seike, N.	Fate and plant uptake of persistent organic pollutants in soil	Soil Science and Plant Nutrition	59(4)	669-679	2013
Hashimoto, Y. Yamaguchi, N.	Chemical speciation of cadmium and sulfur K-edge XANES spectroscopy in flooded paddy soils amended with zerovalent Iron	Soil Science Society of America Journal	77(4)	1189-1198	2013
Sakaguchi, A. Eguchi, S. Kato, T. Kasuya, M. Ono, K. Miyata, A. Tase, N.	Development and evaluation of a paddy module for improving hydrological simulation in SWAT	Agricultural Water Management	137	116-122	2014
Ishikawa, S. Ando, S. Yoshikawa, S.	Effects of planting sugarcane and napier grass on N leaching from lysimeters under high application of cattle manure	American Journal of Experimental Agriculture	4(5)	497-514	2014
Nagai, N. Taya, K. Annoh, H. Ishihara, S.	Application of a fluorometric microplate algal toxicity assay for riverine periphytic algal species	Ecotoxicology and Environmental Safety	94	37-44	2013
Nagai, T.	Algal population growth model integrated with toxicokinetics for ecological risk assessment under time-varying pesticide exposure	Human and Ecological Risk Assessment	20(3)	641-657	2014
Asada, K. Eguchi, S. Urakawa, R. Itahashi, S. Matsumaru, T. Nagasawa, T. Aoki, K. Nakamura, K. Katou, H.	Modifying the LEACHM model for process-based prediction of nitrate leaching from cropped Andosols	Plant and Soil	373	609-625	2013

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Mishima, S. Kimura, S.D. Eguchi, S. Shirato, Y.	Changes in soil available-nutrient stores and relationships with nutrient balance and crop productivity in Japan	Soil Science and Plant Nutrition	59(3)	371-379	2013
Nagumo, F. Nakamura, K.	Nitrogen balance under non-tillage maize ( <i>Zea mays</i> L.) cultivation after hairy vetch ( <i>Vicia villosa</i> Roth.) cropping at sloping fields	Soil Science and Plant Nutrition	59(2)	249-261	2013
Hirata, R. Miyata, A. Mano, M. Shimizu, M. Arita, T. Kouda, Y. Matsuura, S. Niimi, M. Saigusa, T. Mori, A. Hojito, M. Kawamura, O. Hatano, R.	Carbon dioxide exchange at four intensively managed grassland sites across different climate zones of Japan and the influence of manure application on ecosystem carbon and greenhouse gas budgets	Agricultural and Forest Meteorology	177(15)	57-68	2013
Cho, J. Kim, W. Miyazaki, S. Komori, D. Kim, H. Han, K-S. Kanae, S. Oki, T.	Difference in the Priestley–Taylor coefficients at two different heights of a tall micrometeorological tower	Agricultural and Forest Meteorology	180(15)	97-101	2013
Wang, S. Wang, C. Duan, J. Zhu, X. Xu, G. Luo, C. Zhang, Z. Meng, F. Li, Y. Du, M.	Timing and duration of phenological sequences of alpine plants along an elevation gradient on the Tibetan plateau	Agricultural and Forest Meteorology	—	220-228	2014
Nishikawa, M. Suzuki, M. Sprague, D.	Activity and social factors affect cohesion among individuals in female Japanese macaques: A simultaneous focal-follow study	American Journal of Primatology	76(7)	694-703	2014
Otuka, A. Sakamoto, T. Chien, H.V. Matsumura, M. Sanada-Morimura, S.	Occurrence and short-distance migration of <i>Nilaparvata lugens</i> (Hemiptera: Delphacidae) in the Vietnamese Mekong Delta	Applied Entomology and Zoology	49(1)	97-107	2013
Wei, Z. Okazaki, A. Maeda, H. Satoh, Y. Kiguchi, M. Noda, K. Koike, M. Kim, W. Liu, Z. Yoshimura, K.	Investigating vegetation-atmosphere water exchange by using high frequency spectroscopy vapor isotope observations	Annual Journal of Hydraulic Engineering	58	181-186	2014

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Yonemura, S. Nouchi, I. Nishimura, S. Sakurai, G. Togami, K. Yagi, K.	Soil respiration, N <sub>2</sub> O, and CH <sub>4</sub> emissions from an Andisol under conventional-tillage and no-tillage cultivation for 4 years	Biology and Fertility of Soils	50(1)	63-74	2014
Moriyama, A. Yonemura, S. Kawashima, S. Du, M. Tang, Y.	Environmental indicators for estimating the potential soil respiration rate in alpine zone	Ecological Indicators	32	245-252	2013
Li, X. Liang, S. Yu, G. Yuan, W. Cheng, X. Xia, J. Zhao, T. Feng, J. Ma, Z. Ma, M. Liu, S. Chen, J. Shao, C. Li, S. Zhang, X. Zhang, Z. Chen, S. Ohta, T. Varlagin, A. Miyata, A. Takagi, K. Saiqusa, N. Kato, T.	Estimation of gross primary production over the terrestrial ecosystems in China	Ecological Modelling	261-262	80-92	2013
Alberto, M.C.R. Buresh, R.J. Hirano, T. Miyata, A. Wassmann, R. Quilty, J.R. Correa Jr, T.Q. Sandro, J.	Carbon uptake and water productivity for dry-seeded rice and hybrid maize grown with overhead sprinkler irrigation	Field Crops Research	146	51-65	2013
Chen, Y. Wu, Z. Okamoto, K. Han, X. Ma, G. Chien, H. Zhao, J.	The impacts of climate change on crops in China: A Ricardian analysis	Global and Planetary Change	104	61-74	2013
Kim, W. Komori, D. Cho, J. Kanae, S. Oki, T.	Long-term analysis of evapotranspiration over a diverse land use area in northern Thailand	Hydrological Research Letters	8(1)	45-50	2014
Kiguchi, M. Miyazaki, S. Kim, W. Kanae, S. Oki, T. Matsumoto, J. Satomura, T.	The heat flux from the land surface during the pre-monsoon season in the inland region of Thailand	Iahs Publ. (Iahs Red Books)	359	239-245	2013

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Sprague, D.S. Iwasaki, N.	Historical GIS studies in Japan: Scholarship and internet dissemination of the rapid survey maps	Jangis: Journal of Asian Network For Gis-Based Historical Studies	1(1)	17-21	2013
Yonemura, S. Nishimura, S. Kawashima, S.	Systematic formulation of equations for trace-gas uptake by soil	Journal of Agricultural Meteorology	69(4)	277-287	2013
Li, J. Jiang, S. Wang, B. Jiang, W-W, Tang, Y-H. Du, M-Y. Gu, S.	Evapotranspiration and its energy exchange in alpine meadow ecosystem on the Qinghai-Tibetan Plateau	Journal of Integrative Agriculture	12(8)	1396-1401	2013
Ono, K. Mano, M. Han, G.H. Nagai, H. Yamada, T. Kobayashi, Y. Miyata, A. Inoue, Y. Lal, R.	Environmental controls on fallow carbon dioxide flux in a single-crop rice paddy, Japan	Land Degradation and Development	—	doi: 10.1002/ ldr.2211	2013
He, Y. Kueffer, C. Shi, P. Zhang, X. Du, M. Yan, W. Sun, S.	Variation of biomass and morphology of the cushion plant <i>Androsace tapete</i> along an elevational gradient in the Tibetan Plateau	Plant Species Biology	29(3)	E64-E71	2013
Inoue, Y. Sakaiya, E. Wang, C.	Capability of C-band backscattering coefficients from high-resolution satellite SAR sensors to assess biophysical variables in paddy rice	Remote Sensing of Environment	140	257-266	2014
Sakamoto, T. Gitelson, A.A. Arkebauer, T.J.	MODIS-based corn grain yield estimation model incorporating crop phenology information	Remote Sensing of Environment	131	215-231	2013
He, Y. Shi, P. Zhang, X. Du, M. Yan, W. Sun, W.	Elevational distribution of cushion plant <i>Androsace tapete</i> in the southern slope of Nyainqentanglha Mountains, Tibetan Plateau	山地学報(Journal of Mountain Science)	31(6)	641-646	2013
Henry, C.S. Brooks, S.J. Duelli, P. Johnson, J.B. Wells, M.M. Mochizuki, A.	Obligatory duetting behaviour in the <i>Chrysoperla carnea</i> -group of cryptic species (Neuroptera: Chrysopidae): its role in shaping evolutionary history	Biological Reviews	88(4)	787-808	2013



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Bao, Z. Matsushita, Y. Morimoto, S. Hoshino T., Y. Suzuki, C. Nagaoka, K. Takenaka, M. Murakami, H. Kuroyanagi, Y. Urashima, Y. Sekiguchi, H. Kushida, A. Toyota, K. Saito, M. Tsushimam S.	Decrease in fungal biodiversity along an available phosphorous gradient in arable Andosol soils in Japan	Canadian Journal of Microbiology	59(6)	368-373	2013
Osawa, T.	Monitoring records of plant species in the Hakone region of Fuji-Hakone-Izu National Park, Japan, 2001–2010	Ecological Research	28(4)	541	2013
Osawa, T. Watanabe, K. Ikeda, H. Yamamoto, S.	New approach for evaluating habitat stability using scarce records for both historical and contemporary specimens: A case study using Carabidae specimen records	Entomological Science	17(4)	425-431	2014
Leon, A. Kohyama, K. Ohkura, T. Takata, Y. Obara, H.	Long-term change in the application rate of on-farm organic amendments in Japanese upland fields	Jarq-Japan Agricultural Research Quarterly	47(4)	377-387	2013
Waki, T. Horita, M. Kurose, D. Mulya, K. Tsuchiya, K.	Genetic diversity of Zingiberaceae plant isolates of <i>Ralstonia solanacearum</i> in the Asia-Pacific region	Jarq-Japan Agricultural Research Quarterly	47(3)	283-294	2013
Kato, T. Morohoshi, T. Tsushima, S. Ikeda, T.	Phenotypic characterization of colony morphological mutants of <i>Burkholderia glumae</i> that emerged during subculture	Journal of General Plant Pathology	79(4)	249-259	2013
Kurose, D. Hoang, L.H. Furuya, N. Takeshita, M. Sato, T. Tsushima, S. Tsuchiya, K.	Pathogenicity of <i>Stemphylium lycopersici</i> isolated from rotted tobacco seeds on seedlings and leaves	Journal of General Plant Pathology	80(2)	147-152	2014
Tsuhimatsu, T. Yoshitake, H. Ito, M.	Herbivore pressure by weevils associated with flower color polymorphism in <i>Geranium thunbergii</i> (Geraniaceae)	Journal of Plant Research	127(2)	265-273	2014
Watabiki, D. Yoshimatsu, S.	Distinguishing the externally similar imagines of <i>Tiracola plagiata</i> and <i>T. aureata</i> whose forewing lengths were shown to overlap (Lepidoptera, Noctuidae)	Lepidoptera Science	64(3)	123-127	2013

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