

3. 査読論文一覧

中課題 番号	成果タイトル	著者	掲載誌名	巻(号)	ページ	発行年
1 (1)	Estimating net primary production and annual plant carbon inputs, and modeling futher changes in soil carbon stocks in arable farmlands of northern Japan	Koga, N. Smith, P. Yeluripati, J.B. Shirato, Y. Kimura, S.D. Nemoto, M.	Agriculture Ecosystems & Environment	144(1)	51-60	2011
1 (1)	Mitigation of methane emissions from paddy fields by prolonging midseason drainage	Itoh, M. Sudo, S. Mori, S. Saito, H. Yoshida, T. Shiratori, Y. Suga, S. Yoshikawa, N. Suzue, Y. Mizukami, H. Mochida, T. Yagi, K.	Agriculture Ecosystems & Environment	141(3-4)	359-372	2011
1 (1)	Atmosphere-forest exchange of ammoniacal nitrogen in a subalpine deciduous forest in central Japan during a summer week	Hayashi, K. Matsuda, K. Takahashi, A. Nakaya, K.	Asian Journal of Atmospheric Environment	5(2)	134-143	2011
1 (1)	Association of organic matter with iron and aluminum across a range of soils determined via selective dissolution techniques coupled with dissolved nitrogen analysis	Wagai, R. Mayer, L.M. Kitayama, K. Shirato, Y.	Biochemistry	—	10.1007/s10533-011-9652-5	2011
1 (1)	Inventory-based estimation of aboveground net primary production in Japan's forests from 1980 to 2005	Wang, Y. Fang, J. Y. Kato, T. Guo, Z. D. Zhu, B. Mo, W. H. Tang, Y. H.	Biogeosciences	8	2099-2106	2011
1 (1)	Radiocarbon (14C) diurnal variations in fine particles at sites downwind from Tokyo, Japan in summer	Fushimi, A. Wagai, R. Uchida, M. Hasegawa, S. Takahashi, T. Kondo, M. Hirabayashi, M. Morino, Y. Shibata, Y. Ohara, T. Kobayashi, S. Tanabe, K.	Environmental Science and Technology	45(16)	6784-6792	2011
1 (1)	Using 14C dating of stable humin fractions to assess upbuilding pedogenesis of a buried Holocene humic soil horizon, Towada volcano, Japan	Inoue, Y. Hiradate, S. Sase, T. Hosono, M. Morita, S. Matsuzaki, H.	Geoderma	—	85-90	2011
1 (1)	Characterization and production and consumption processes of N2O emitted from temperate agricultural soils determined via isotopomer ratio analysis	Toyoda, S. Yano, M. Nishimura, S. Akiyama, H. Hayakawa, A. Koba, K. Sudo, S. Yagi, K. Makabe, A. Tobari, Y. Ogawa, N.O. Ohkouchi, N. Yamada, K. Yoshida, N.	Global Biogeochemical Cycles	25(GB2008)	doi:10.1029/2009GB003769-	2011

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1 (1)	Methane and soil CO ₂ production from current-season photosynthates in a rice paddy exposed to elevated CO ₂ concentration and soil temperature	Tokida, T. Adachi, M. Cheng, W. Nakajima, Y. Fumoto, T. Matsushita, M. Nakamura, H. Okada, M. Samejima, R. Hasegawa, T.	Global Change Biology	17(11)	3327-3337	2011
1 (1)	Quantitative analyses of ammonia-oxidizing archaea (AOA) and ammonia-oxidizing bacteria (AOB) in fields with different soil types	Morimoto, S. Hayatsu, M. Hoshino, T.Y. Nagaoka, K. Yamazaki, M. Karasawa, T. Takenaka, M. Akiyama, H.	Microbes and Environments	26(3)	248-253	2011
1 (1)	Effect of soil type and fertilizer management on archaeal community in upland field soils	Hoshino, T.Y. Morimoto, S. Hayatsu, M. Nagaoka, K. Suzuki, C. Karasawa, T. Takenaka, M. Akiyama, H.	Microbes and Environments	26(4)	307-316	2011
1 (1)	Comparison among amoA primers suited for quantification and diversity analyses of ammonia-oxidizing bacteria in soil	Shimomura, Y. Morimoto, S. Hoshino, T.Y. Uchida, Y. Akiyama, H. Hayatsu, M.	Microbes and Environments	27(1)	94-98	2012
1 (1)	Combined emission of CH ₄ and N ₂ O from a paddy field was reduced by preceding upland crop cultivation	Nishimura, S. Akiyama, H. Sudo, S. Fumoto, T. Cheng, W. Yagi, K.	Soil Science and Plant Nutrition	57(1)	167-178	2011
1 (1)	Using different versions of the Rothamsted Carbon model to Simulate soil carbon in long-term experimental plots subjected to paddy-upland rotation in Japan	Shirato, Y. Yagasaki, Y. Nishida, M.	Soil Science and Plant Nutrition	57(4)	597-606	2011
1 (1)	Upward diffusion of nitrous oxide produced by denitrification near shallow groundwater table in the summer: a lysimeter experiment	Minamikawa, K. Nishimura, S. Nakajima, Y. Osaka, K. Sawamoto, T. Yagi, K.	Soil Science and Plant Nutrition	57(5)	719-732	2011
1 (1)	Comparison of indirect nitrous oxide emission through lysimeter drainage between an Andosol upland field and a Fluvisol paddy field	Minamikawa, K. Hayakawa, A. Nishimura, S. Akiyama, H. Yagi, K.	Soil Science and Plant Nutrition	57(6)	843-854	2011
1 (1)	Phosphate adsorption coefficient can improve the validity of RothC model for Andosols	Takata, Y. Ito, T. Ohkura, T. Obara, H. Kohyama, K. Shirato, Y.	Soil Science and Plant Nutrition	57(3)	421-428	2011
1 (1)	Estimation of the amounts of livestock manure, rice straw, and rice straw compost applied to crops in Japan: a bottom-up analysis based on national survey data and comparison with the results from a top-down approach	Mishima, S. Kimura, S.D. Eguchi, S. Shirato, Y.	Soil Science and Plant Nutrition	58(1)	83-90	2012
1 (1)	地球環境	秋山博子 馬場光久 河野憲治	日本土壌肥科学雑誌	82(6)	578-585	2011

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1 (2) a	Potential ammonia emission from flag leaves of paddy rice (<i>Oryza sativa</i> L. cv. Koshihikari)	Hayashi, K. Tokida, K. Hasegawa, T.	Agriculture Ecosystems & Environment	144(1)	117-123	2011
1 (2) a	Spikelet sterility of rice observed in the record hot summer of 2007 and the factors associated with its variation	Hasegawa, T. Ishimaru, T. Kondo, M. Kuwagata, T. Yoshimoto, M. Fukuoka, M.	Journal of Agricultural Meteorology (農業気象)	67(4)	225-232	2012
1 (2) a	Atmosphere-rice paddy exchanges of inorganic particles and relevant gases during a week in winter and a week in summer	Hayashi, K. Ono, K. Tokida, T. Takimoto, T. Mano, M. Miyata, A. Matsuda, K.	Journal of Agricultural Meteorology (農業気象)	68(1)	55-68	2012
1 (2) a	Integrated micrometeorology model for panicle and canopy temperature (IM2PACT) for rice heat stress studies under climate change	Yoshimoto, M. Fukuoka, M. Hasegawa, T. Utsumi, M. Ishigooka, Y. Kuwagata, T.	Journal of Agricultural Meteorology (農業気象)	67(4)	233-247	2011
1 (2) a	Spatial characterization of recent hot summers in Japan with agro-climatic indices related to rice production	Ishigooka, Y. Kuwagata, T. Nishimori, M. Hasegawa, T. Ohno, H.	Journal of Agricultural Meteorology (農業気象)	67(4)	209-224	2011
1 (2) a	MeteoCrop DB: an agro-meteorological database coupled with crop models for studying climate change impacts on rice in Japan	Kuwagata, T. Yoshimoto, M. Ishigooka, Y. Hasegawa, T. Utsumi, M. Nishimori, M. Ohno, H.	Journal of Agricultural Meteorology (農業気象)	67(4)	297-306	2011
1 (2) a	The hot summers and rice in Japan	Kobayashi, K. Kuwagata, T. Yoshimoto, M. Yokozawa, M.	Journal of Agricultural Meteorology (農業気象)	67(4)	205-207	2011
1 (2) a	Performance of the enlarged rice-FACE system using pure CO ₂ installed in Tsukuba, Japan	Nakamura, H. Tokida, T. Yoshimoto, M. Sakai, H. Fukuoka, M. Hasegawa, T.	Journal of Agricultural Meteorology (農業気象)	68(1)	15-23	2012
1 (2) a	Spatial variation in photosynthetic CO ₂ carbon and oxygen isotope discrimination along leaves of the monocot triticale (<i>Triticum</i> × <i>Secale</i>) relates to mesophyll conductance and the Péclet effect	Kodama, N. Cousins, A. Tu, K.P. Barbour, M.M.	Plant Cell and Environment	34(9)	1548-1562	2011
1 (2) a	The early-morning flowering trait of rice reduces spikelet sterility under windy and elevated temperature conditions at anthesis	Ishimaru, T. Hirabayashi, H. Kuwagata, T. Ogawa, T. Kondo, M.	Plant Production Science	15(1)	19-22	2012
1 (2) a	Expected changes in future agro-climatological conditions in Northeast Thailand and their differences between general circulation models	Masaki, Y. Ishigooka, Y. Kuwagata, T. Goto, S. Sawano, S. Hasegawa, T.	Theoretical and Applied Climatology	106	383-401	2011

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1 (2) a	地球温暖化リスクの伝達の実践の試み メディア関係者との意見交換と市民対象の双方向型シンポジウム	高橋潔 杉山昌広 江守正多 沖大幹 長谷川利拡 住明正 福土謙介 青柳みどり 朝倉暁生 松本安生	科学技術社会論研究	9	40-53	2011
1 (2) a	農耕地モニタリング地点の選定とその気温変化傾向に関する地域的な特性	村上雅則 桑形恒男 石郷岡康史 西森基貴	生物と気象	11	33-42	2011
1 (2) a	関東地方の単作水田におけるオゾンモニタリング：硝酸ガス捕集影響の除外によるバッシブサンプラー法の改良の試み	林健太郎 常田岳志 小野圭介 長谷川利拡 松田和秀 樋口慶郎	大気環境学会誌	47(2)	87-95	2012
1 (2) a	低温下でのイネの水吸収とアクアポリン	村井(羽田野)麻理 桜井(石川)淳子 桑形恒男 林秀洋 アハメドアリファ 長管輝義	低温生物工学会誌	57(1)	7-12	2011
1 (2) b	Varying temporal and spatial effects of climate on maize and soybean affect yield prediction	Sakurai, G. Iizumi, T. Yokozawa, M.	Climate Research	49(2)	143-154	2011
1 (2) b	Modeling the multiple effects of temperature and radiation on rice quality	Okada, M. Iizumi, T. Hayashi, Y. Yokozawa, M.	Environmental Research Letters	6(3)	doi:10.1088/1748-9326/6/3/034031-	2011
1 (2) b	Statistical downscaling with Bayesian inference: Estimating global solar radiation from reanalysis and limited observed data	Iizumi, T. Nishimori, M. Yokozawa, M. Kotera, A. Khang, N.D.	International Journal of Climatology	32(3)	464-480	2012
1 (2) b	Projecting climate change impacts both on rice quality and yield in Japan	Okada, M. Iizumi, T. Hayashi, Y. Yokozawa, M.	Journal of Agricultural Meteorology (農業気象)	67(4)	285-295	2012
1 (2) b	Evaluation and intercomparison of downscaled daily precipitation indices over Japan in present-day climate: Strengths and weaknesses of dynamical and bias correction-type statistical downscaling methods	Iizumi, T. Nishimori, M. Dairaku, K. Adachi, S.A. Yokozawa, M.	Journal of Geophysical Research	116(D01111)	doi:10.1029/2010JD014513-	2011
1 (2) b	Inversely estimating temperature sensitivity of soil carbon decomposition by assimilating a turnover model and long-term field data	Sakurai, G. Jomura, M. Yonemura, S. Iizumi, T. Shirato, Y. Yokozawa, M.	Soil Biology and Biochemistry	46	191-199	2012
2 (1) a	Possible use of synthetic aggregation pheromones to control stinkbug <i>Plautia stali</i> in kaki persimmon orchards	Yamanaka, T. Teshiba, M. Tsuda, M. Tsutsumi, T.	Agricultural and Forest Entomology	12(3)	321-331	2011
2 (1) a	Taxonomic uncertainty of a highly endangered brook damselfly, <i>Coperia tokyoensis</i> Asahina, 1948 (Odonata: Platynemididae), revealed by the mitochondrial gene genealogy	Kiyoshi, T. Takahashi, J. Yamanaka, T. Tanaka, K. Hamasaki, K. Tsuchida, K. Tsubaki, Y.	Conservation Genetics	12(3)	845-849	2011
2 (1) a	Influence of the prey aphid <i>Uroleucon nigrotuberculatum</i> parasitizing <i>Solidago canadensis</i> on the larval and adult survivorship of the predatory ladybird beetle <i>Harmonia axyridis</i>	Kamo, T. Tokuoka, Y.	Ecological Research	26(2)	471-476	2011

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2 (1) a	A macro-scale perspective on within-farm management: how climate and topography alter the effect of farming practices	Amano, T. Kusumoto, Y. Okamura, H. Baba, Y.G. Hamasaki, K. Tanaka, K. Yamamoto, S.	Ecology Letters	14(12)	1263-1272	2011
2 (1) a	農耕地における効率的なミミズ採取法の検討	金田哲 野崎真奈 藤井芳一	Edaphologia	90	25-30	2012
2 (1) a	Environmental characteristics accounting for odonate assemblages in rural reservoir ponds in Japan	Hamasaki, K. Yamanaka, T. Tanaka, K. Nakatani, Y. Iwasaki, N. Sprague, D.S.	JARQ-Japan Agricultural Research Quarterly	45(2)	187-196	2011
2 (1) a	Fruiting behavior of dipterocarps in two consecutive episodes of general flowering in a Malaysian lowland rain forest	Numata, S. Suzuki, R.O. Nishimura, S. Naito, Y. Konuma, A. Tsumura, Y. Tani, N. Okuda, T. Supardi, M.N.N	Journal of Forest Research	17(4)	378-387	2011
2 (1) a	Effect of Storage Temperature on Soil Nematode Community Structures as Revealed by PCR-DGGE	Takemoto, S. Niwa, S. Okada, H.	Journal of Nematology	42(4)	324-331	2011
2 (1) a	Nonlethal ectoparasitism of the mycophagous nematode <i>Filenchus discrepans</i> (Nematoda: Tylenchidae)	Sawahata, T. Nakamura, H. Okada, H. Sasaki, A. Kanematsu, S.	Nematology	14(2)	159-164	2011
2 (1) a	Climate and topography drives macroscale biodiversity through land-use change in a human-dominated world	Yamaura, Y. Amano, T. Kusumoto, Y. Nagata, H. Okabe, K.	Oikos	120(3)	427-451	2011
2 (1) a	Grassland plant functional groups exhibit distinct time-lags in response to historical landscape change	Koyanagi, T. Kusumoto, Y. Yamamoto, S. Okubo, S. Iwasaki, N. Takeuchi, K.	Plant Ecology	213(2)	327-338	2011
2 (1) a	How different or similar are nematode communities between a paddy and an upland rice fields across a flooding–drainage cycle?	Okada, H. Niwa, S. Takemoto, S. Komatsuzaki, M. Hiroki, M.	Soil Biology and Biochemistry	43(10)	2142-2151	2011
2 (1) a	Influence of Collembola on nitrogen mineralization varies with soil moisture content	Kaneda, S. Kaneko, N.	Soil Science and Plant Nutrition	57(1)	40-49	2011
2 (1) a	Improvement of root staining method for field applications	Murakami, T. Shimano, S. Kaneda, S. Nakajima, M. Urashima, Y. Miyoshi, N.	Soil Science and Plant Nutrition	57(4)	541-548	2011
2 (1) a	リン脂質脂肪酸およびキノンプロファイルを用いた家畜ふん堆肥連用圃場における土壌微生物相の解析	浦嶋泰文 中嶋美幸 金田哲 村上敏文 堀兼明	土と微生物	65(2)	125-135	2011

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2 (1) a	管理放棄後樹林化したススキ型草地における埋土種子による草原生植物の回復可能性	小柳知代 楠本良延 山本勝利 大久保悟 北川淑子 武内和彦	保全生態学研究	16(1)	85-87	2011
2 (1) b	Two cryptic species in <i>Brontispa longissima</i> (Coleoptera: Chrysomelidae): Evidence from mitochondrial DNA analysis and crosses between the two nominal species	Takano, S. Mochizuki, A. Konishi, K. Takasu, K. Alouw, J.C. Pandin, D.S. Nakamura, S.	Annals of the Entomological Society of America	104(2)	121-131	2011
2 (1) b	Suitability of monocots for rearing alien coconut pest <i>Brontispa longissima</i> (Coleoptera: Chrysomelidae)	Sugeno, W. Kawazu, K. Takuno, S. Nakamura, S. Mochizuki, A.	Annals of the Entomological Society of America	104(4)	682-687	2011
2 (1) b	Risk assessment of non-target effects caused by releasing two exotic phytoseiid mites in Japan: can an indigenous phytoseiid mite become IG prey?	Sato, Y. Mochizuki, A.	Experimental and Applied Acarology	54(4)	319-329	2011
2 (1) b	ホソヘリカメムシの数種マメ科植物上の発生消長	水谷信夫 守屋成一 山口卓宏 伊藤健二 田淵研 角田隆 岩井秀樹	日本応用動物昆虫学会誌	55(3)	163-170	2011
2 (1) b	Extended key-factor/key-stage analysis for longitudinal data	Yamamura, K.	Journal of Biopharmaceutical Statistics	22(1)	1-15	2012
2 (1) b	Phosphorus solubility of agricultural soils: A surface charge and phosphorus-31 NMR speciation study	Ohno, T. Hiradate, S. He, Z.	Soil Science Society of America Journal	75(5)	1704-1711	2011
2 (1) b	Analysis of the seed dispersal patterns of wild soybean as a reference for vegetation management around genetically modified soybean fields	Yoshimura, Y. Mizuguchi, A. Matsuo, K.	Weed Biology and Management	11(4)	210-216	2011
2 (1) b	農学と統計学	山村光司	計量生物学	32(特別)	19-34	2011
2 (1) b	研究の流れの中での実験計画とデータ解析の位置づけ：より効率的な研究のために	大東健太郎	雑草研究	56(1)	35-42	2011
2 (1) b	トウモロコシ花粉飛散および交雑抑制に対して効果的な防風施設の配置方法に関する数値実験	牛山朋来 芝池博幸 杜明遠	生物と気象	11	12-22	2011
2 (1) b	土壌化学・土壌鉱物	平舘俊太郎 松永俊朗 和田信一郎 渡邊彰	日本土壌肥科学雑誌	82(6)	466-478	2011
2 (1) b	印旛沼周辺水田域における特定外来生物ナガエツルノゲイトウの分布拡大とその要因	楠本良延 徳岡良則 山本勝利	農村計画論文集	30(特集号)	249-254	2011
2 (1) b	新規に移入されたセイヨウタンポポ個体群の動態と2倍体個体の検出	小川潔 山谷慈子 石倉航 芝池博幸 保谷彰彦 大石恵 森田竜義	保全生態学研究	16	33-44	2011

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2 (2)	Phyllosphere yeasts rapidly break down biodegradable plastics	Kitamoto, H.K. Shinozaki, Y. Cao, X. Morita, T. Konishi, M. Tago, K. Kajiwara, H. Koitaishi, M. Yoshida, S. Watanabe, T. Sameshima- Yamashita, Y. Nakajima-Kambe, T. Tsushima, S.	Amb Express	1(44)	doi:10.1186/2191-0855-1-44-	2011
2 (2)	Generation separation in simple structured life cycles: models and 48 years of field data on a tea tortrix moth	Yamanaka, T. Nelson, W.A. Uchimura, K. Bjørnstad, O.N.	American Naturalist	179(1)	95-109	2012
2 (2)	Genetic basis regulating the sex pheromone blend in <i>Ostrinia zealis</i> (Lepidoptera: Crambidae) and its allies inferred from crossing experiments	Tabata, J. Ishikawa, Y.	Annals of the Entomological Society of America	104(2)	326-336	2011
2 (2)	Silage produces biofuel for local consumption	Kitamoto, H.K. Horita, M. Cai, Y. Shinozaki, Y. Sakaki, K.	Biotechnology For Biofuels	4(46)	doi:10.1186/1754-6834-4-46-	2011
2 (2)	A new approach for mealybug management: recruiting an indigenous, but 'non-natural' enemy for biological control using an attractant	Teshiba, M. Sugie, H. Tsutsumi, T. Tabata, J.	Entomologia Experimentalis Et Applicata	142(3)	211-215	2012
2 (2)	High expression levels of chitinase genes in <i>Streptomyces coelicolor</i> A3(2) grown in soil	Nazari, B. Saito, A. Kobayashi, M. Miyashita, K. Wang, Y. Fujii, T.	Fems Microbiology Ecology	77(3)	623-635	2011
2 (2)	A survey of the cellular responses in <i>Pseudomonas putida</i> KT2440 growing in sterilized soil by microarray analysis	Wang, Y. Morimoto, S. Ogawa, N. Fujii, T.	Fems Microbiology Ecology	78(2)	220-232	2011
2 (2)	Assessment of the effects of genetically modified <i>Pseudomonas</i> spp.expressing chitinase on the soil microbial community in the cucumber rhizosphere	Yamamoto-Tamura, K. Ohno ,M. Fujii, T. Kataoka, S. Numata, S. Nakajima, M. Hasebe, A. Akutsu, K.	JARQ-Japan Agricultural Research Quarterly	45(4)	377-383	2011
2 (2)	Herbivore-induced plant volatiles enhance the ability of parasitic wasps to find hosts on a plant	Uefune, M. Kugimiya, S. Sano, K. Takabayashi, J.	Journal of Applied Entomology	136(1-2)	133-138	2012
2 (2)	Complete genome sequence of the denitrifying and N2O-reducing bacterium <i>Peudogulbenkiania</i> sp. strain NH8B	Ishii, S. Tago, K. Nishizawa, T. Oshima, K. Hattori, M. Senoo, K.	Journal of Bacteriology	193(22)	6395-6396	2011
2 (2)	Herbivore-induced carnivore attractants enhance the residence time of carnivores on a host food plant	Uefune,M. Kugimiya, S. Takabayashi, J.	Journal of Plant Interactions	6(2)	165-165	2011
2 (2)	Timing matters: release of plant volatiles that are attractive to parasitoids	Kugimiya, S. Shimoda, T. Takabayashi, J.	Journal of Plant Interactions	6(2)	187-188	2011

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2 (2)	Assessment of allelopathic activities in female and male individuals of asparagus seedlings and regenerants	Watanabe, Y. Kuchi-ishi, N. Nakashima, T. Iwai, S. Ono, Y. Hiradate, S. Fujii, Y. Komai, F.	Journal of the Japanese Society For Horticultural Science (園芸学会雑誌)	80(2)	169-174	2011
2 (2)	Antagonistic plant defense system regulated by phytohormones assists interactions among vector insect, thrips, and a tospovirus	Abe, H. Tomitaka, Y. Shimoda, T. Seo, S. Sakurai, T. Kugimiya, S. Tsuda, S. Kobayashi, M.	Plant and Cell Physiology	53(1)	204-212	2012
2 (2)	Effects of plant residue, root exudate and juvenile plants of rapeseed (<i>Brassica napus</i> L.) on the germination, growth, yield, and quality of subsequent crops in successive and rotational cropping systems	Yasumoto, S. Suzuki, K. Matsuzaki, M. Hiradate, S. Oose, K. Hirokane, H. Okada, K.	Plant Production Science	14(4)	339-348	2011
2 (2)	Olfactory cues from plants infected by powdery mildew guide foraging by a mycophagous ladybird beetle	Tabata, J. Morales, C.M.D. Mescher, M.C.	Plos One	6(8)	e23799	2013
2 (2)	The pH dependency of 2,4-dichlorophenoxyacetic acid adsorption and desorption in andosol and kaolinite	Mon, E.E. Sharma, A. Kawamoto, K. Hamamoto, S. Komatsu, T. Hiradate, S. Moldrup, P.	Soil Science	177(1)	12-21	2012
3 (1)	Strontium and lead isotope analyses for determining the geographic origins of grains	Ariyama, K. Shinozaki, M. Kawasaki, A. Ishida, Y.	Analytical Sciences	27(7)	709-713	2011
3 (1)	Biodegradation of melamine and its hydroxy derivatives by a bacterial consortium containing a novel <i>Nocardioides</i> species	Takagi, K. Fujii, K. Yamazaki, K. Harada, N. Iwasaki, A.	Applied Microbiology and Biotechnology	—	1-10	2011
3 (1)	Isolation and identification of dieldrin-degrading <i>Pseudonocardia</i> sp. strain KSF27 using a soil-charcoal perfusion method with aldrin trans-diol as a structural analog of dieldrin	Sakakibara, F. Takagi, K. Kataoka, R. Kiyota, H. Sato, Y. Okada, S.	Biochemical and Biophysical Research Communications	411(1)	76-81	2011
3 (1)	Congener specificity in the accumulation of dioxins and dioxin-like compounds in zucchini plants grown hydroponically	Inui, H. Wakai, T. Gion, K. Yamazaki, K. Kim, Y. Eun, H.	Bioscience Biotechnology and Biochemistry	75(4)	705-710	2011
3 (1)	Real-time imaging and analysis of differences in cadmium dynamics in rice cultivars (<i>Oryza sativa</i>) using positron-emitting ¹⁰⁷ Cd tracer	Ishikawa, S. Suzui, N. Ito-Tanabata, S. Ishii, S. Igura, M. Abe, T. Kuramata, M. Kawachi, N. Fujimaki, S.	Bmc Plant Biology	11(172)	doi: 10.1186/1471- 2229-11-172-	2011
3 (1)	Photodegradation of imidacloprid and fipronil in rice-paddy water	Thuyet, D.Q. Watanabe, H. Yamazaki, K. Takagi, K.	Bulletin of Environmental Contamination and Toxicology	86(5)	548-553	2011

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3 (1)	Application of synchrotron μ -XRF-XAFS to the speciation of Fe on a single stalk in bacteriogenic iron oxides (BIOS)	Kikuchi, S. Makita, H. Mitsunobu, S. Terada, Y. Yamaguchi, N. Takai, K. Takahashi, Y.	Chemistry Letters	40(7)	680-681	2011
3 (1)	Arsenic release from flooded paddy soils is influenced by speciation, Eh, pH, and iron dissolution	Yamaguchi, N. Nakamura, T. Dong, D. Takahashi, Y. Amachi, S. Makino, T.	Chemosphere	83(7)	925-932	2010
3 (1)	Novel metabolic pathways of organochlorine pesticides dieldrin and aldrin by the white rot fungi of the genus <i>Phlebia</i>	Xiao, P. Mori, T. Kamei, I. Kiyota, H. Takagi, K. Kondo, R.	Chemosphere	85(2)	218-224	2011
3 (1)	Biodegradation of endosulfan by <i>Mortierella</i> sp. strain W8 in soil: Influence of different substrates on biodegradation	Kataoka, R. Takagi, K. Sakakibara, F.	Chemosphere	85(3)	548-552	2011
3 (1)	Passive air monitoring of PCBs and PCNs across East Asia: A comprehensive congener evaluation for source characterization	Hogarh, J.N. Seike, N. Kobara, Y. Habib, A. Nam, J. Lee, J. Li, Q. Liu, X. Li, J. Zhang, G. Masunaga, S.	Chemosphere	86(7)	718-726	2011
3 (1)	Size fractionation of clay and soil microparticles by continuous-flow ultracentrifugation	Makino, T. Inada, M. Kato, T. Adachi, Y. Morita, M.	Clay Science	15(2)	83-88	2011
3 (1)	Sulfate adsorption on a volcanic ash soil (allophanic Andisol) under low pH conditions	Ishiguro M. Makino T.	Colloids and Surfaces A- Physicochemical and Engineering Aspects	384(1-3)	121-125	2011
3 (1)	Reduction in uptake by rice and soybean of aromatic arsenicals from diphenylarsinic acid contaminated soil amended with activated charcoal	Arao T. Maejima Y. Baba K.	Environmental Pollution	159(10)	2449-2453	2011
3 (1)	Perfluorinated compounds in the Asian atmosphere	Li J. Vento S.D. Schuster J. Zhang G. Chakraborty P. Kobara Y. Jones K.C.	Environmental Science and Technology	45(17)	7241-7248	2011
3 (1)	Applicability of selective dissolution of manganese oxide by acidified 0.1 M $\text{NH}_2\text{OH}-\text{HCl}$ in Japanese soils	Suda A. Makino T. Higashi T.	Geoderma	163	291-295	2011
3 (1)	Bioremediation of DDT contaminated soil using brown-rot fungi	Purnomo A.S. Mori T. Takagi K. Kondo R.	International Biodeterioration and Biodegradation	65(5)	691-695	2011
3 (1)	The present state and perspective on simple and rapid immunochemical detection for pesticide residues in crops	Watanabe E.	JARQ-Japan Agricultural Research Quarterly	45(4)	359-370	2011

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3 (1)	Development of an enzyme-linked immunosorbent assay (ELISA) for residue analysis of the fungicide azoxystrobin in agricultural products.	Kondo M. Tsuzuki K. Hamada H. Yamaguchi Y.M. Uchigashima M. Saka M. Watanabe E. Iwasa S. Narita H. Miyake S.	Journal of Agricultural and Food Chemistry	60(4)	904-911	2012
3 (1)	Article determination of the geographic origin of rice by chemometrics with strontium and lead isotope ratios and multielement concentrations	Ariyama K. Shinozaki M. Kawasaki A.	Journal of Agricultural and Food Chemistry	60(7)	1628-1634	2012
3 (1)	Assays of dioxins and dioxin-like compounds in actually contaminated soils using transgenic tobacco plants carrying a recombinant mouse aryl hydrocarbon receptor-mediated β -glucuronidase reporter gene expression system	Inui H. Gion K. Utani Y. Wakai T. Kodama S. Eun H. Kim Y. Ohkawa H.	Journal of Environmental Science and Health Part B- Pesticides Food Contaminants and Agricultural Wastes	47(1)	59-65	2011
3 (1)	The OsNRAMP1 iron transporter is involved in Cd accumulation in rice	Takahashi R. Ishimaru Y. Senoura T. Shimo H. Ishikawa S. Arao T. Nakanishi H. Nishizawa N.K.	Journal of Experimental Botany	62(14)	4843-4850	2011
3 (1)	Role of the node in controlling traffic of cadmium, zinc, and manganese in rice	Yamaguchi N. Ishikawa S. Abe T. Baba K. Arao T. Terada Y.	Journal of Experimental Botany	—	doi:10.1093/jxb/err455-	2012
3 (1)	Fe ²⁺ and Mn ²⁺ , potential agents to induce suppression of Fusarium oxysporum for biological soil disinfestation	Momma N. Kobara Y. Momma M.	Journal of General Plant Pathology	77(6)	331-335	2011
3 (1)	Behavior of nursery-box-applied imidacloprid in micro paddy lysimeter	Thuyet D.Q. Watanabe H. Takagi K. Yamazaki K. Nhung D.T.T.	Journal of Peptide Science	37(1)	20-27	2012
3 (1)	Structure-selective accumulation of polychlorinated biphenyls in Cucurbita pepo	Matsuo S. Yamazaki K. Gion K. Eun H. Inui H.	Journal of Pesticide Science	36(3)	363-369	2011
3 (1)	Evaluation of permeation rates of soil fumigants through plastic films by the cup method	Kobara Y. Yogo Y. Terada A. Hosomi M.	Journal of Pesticide Science	37(1)	28-36	2012
3 (1)	Immunochromatography for the rapid determination of cadmium concentrations in wheat grain and eggplant	Abe K. Nakamura K. Arao T. Sakurai Y. Nakano A. Suginuma C. Tawarada K. Sasaki K.	Journal of the Science of Food and Agriculture	91(8)	1392-1397	2011
3 (1)	Degradation of endosulfan and endosulfan sulfate by white-rot fungus Trametes hirsuta	Kamei I. Takagi K. Kondo R.	Journal of Wood Science	57(4)	317-322	2011

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3 (1)	Fate and transport of bensulfuron-methyl and imazosulfuron in paddy fields: experiments and model simulation	Takagi K. Fajardo F.F. Ishizaka M. Phong T.K. Watanabe H. Boulangé J.	Paddy and Water Environment	10(2)	139-151	2011
3 (1)	Expressing ScACR3 in rice enhanced arsenite efflux and reduced arsenic accumulation in rice grains	Duan G. Kamiya T. Ishikawa S. Arao T. Fujiwara T.	Plant and Cell Physiology	53(1)	154-163	2012
3 (1)	Low-affinity cation transporter (OsLCT1) regulates cadmium transport into rice grains	Uraguchi S. Kamiya T. Sakamoto T. Kasai K. Sato Y. Nagamura Y. Yoshida A. Kyojuka J. Ishikawa S. Fujiwara T.	Proceedings of the National Academy of Sciences of the United States of America	108(52)	20959-20964	2011
3 (1)	Arsenic contamination in soils and crops in Japan and various countermeasures	Arao T. Kawasaki A. Baba K. Matsumoto S. Maejima Y.	Pedologist	54(3)	202-213	2011
3 (1)	Cadmium contents of soil and rice grains after bench-scale washing with biodegradable chelating agents	Makino T. Kamiya T. Takano H.	Pedologist(ペドロジスト)	54(3)	194-201	2011
3 (1)	Suppressive effect of soil application of carbonaceous adsorbents on dieldrin uptake by cucumber fruits	Saito T. Otani T. Seike N. Murano H. Okazaki M.	Soil Science and Plant Nutrition	57(1)	157-166	2011
3 (1)	Arsenic accumulation and speciation in Japanese paddy rice cultivars	Kuramata M. Abe T. Matsumoto S. Ishikawa S.	Soil Science and Plant Nutrition	57(2)	548-258	2011
3 (1)	Adsorption and mobility of aromatic arsenicals in Japanese agricultural soils	Maejima Y. Murano H. Iwafune T. Arao T. Baba K.	Soil Science and Plant Nutrition	57(3)	429-435	2011
3 (1)	Analytical evaluation of enzyme-linked immunosorbent assay for neonicotinoid dinotefuran for potential application to quick and simple screening method in rice samples	Watanabe E. Baba K. Miyake S.	Talanta	84(4)	1107-1111	2011
3 (1)	品種、土壌pH矯正および耕種条件がダイズ子実カドミウム含有率におよぼす影響	中村卓司 山本亮 羽鹿牧太 石川寛 中山則和 高橋幹 島村聡 島田信二 藤森新作 小松節子	日本土壌肥科学雑誌	82(2)	105-113	2011
3 (1)	環境保全	川崎晃 前田守弘 原田久富美 河野憲治	日本土壌肥科学雑誌 -土壌・肥料・植物栄養-部門別進捗総説特集号	82(6)	567-577	2011
3 (2)	Investigation of concentrations of paddy herbicides and their transformation products in the sakura river, Japan, and toxicity of the compounds to a diatom and a green alga	Iwafune T. Ara T. Ishihara S. Yokoyama A. Nagai T. Horio T.	Bulletin of Environmental Contamination and Toxicology	88(1)	38-42	2012

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3 (2)	Distribution of nitrate in groundwater affected by the presence of an aquitard at an agricultural area in Chiba, Japan	Nishikiori T. Takamatsu T. Kohzu A. Nakajima Y. Watanabe M.	Environmental Earth Sciences	—	DOI:10.1007/s 12665-012- 1598-y-	2012
3 (2)	Effects of four rice paddy herbicides on algal cell viability and the relationship with population recovery	Nagai T. Ishikawa S. Yokoyama A. Iwafune T.	Environmental Toxicology and Chemistry	30(8)	1898-1905	2011
3 (2)	Evaluation of the risk of mixtures of paddy insecticides and their transformation products to aquatic organisms in the Sakura River, Japan	Iwafune T. Yokoyama A. Nagai T. Horio T.	Environmental Toxicology and Chemistry	30(8)	1834-1842	2011
3 (2)	A review of rapid transport of pesticides from sloping farmland to surface waters: Processes and mitigation strategies	Tang X. Zhu B. Katou H.	Journal of Environmental Sciences-China	24(3)	351-361	2012
3 (2)	Coupling of the PADDY-Large model with geospatial information for predicting paddy pesticide behavior in river basins	Iwasaki N. Inao K., Iwafune T. Horio T. Obara H.	Limnology	13(2)	221-235	2012
3 (2)	硝酸イオンの窒素・酸素安定同位体比測定のための自作による安価な自動前処理ラインの開発	高津文人 今井章雄 中島泰弘 小松一弘 川崎伸之 佐藤貴之	Radioisotopes	60(6)	231-240	2011
3 (2)	水田および浅層地下水の脱窒による環境浄化	江口定夫	土壌の物理性	120	29-38	2012
3 (2)	笠岡湾干拓地における水質汚濁の現状と安定同位体自然存在比を用いた汚濁機構解析	前田守弘 浅野裕一 兵藤不二夫 中島泰弘 藤原拓 永禮英明 赤尾聡史	土木学会論文集G	67(7)	III_213-III_221	2011
3 (2)	化学物質のリスク評価と意思決定のギャップを埋める：農業登録の意思決定	永井孝志	日本リスク研究学会誌	21(2)	73-82	2011
3 (2)	環境水中重金属のスペシエーションと生物利用性	永井孝志	日本環境毒性学会誌	14(1)	13-23	2011
3 (2)	農業に由来する生態リスクの統合的評価に向けて：農業・遺伝子組換え作物雑草防除の生態リスク評価からの全体のつながりを意識する	水口亜樹 永井孝志 浅井元朗 池田浩明	日本生態学会誌	61(2)	133-153	2011
3 (2)	根域からの窒素溶脱に及ぼす有機質肥料の併用効果：土壌環境基礎調査で行われたライシメーター試験結果のモデル解析	森塚直樹 板橋直 江口定夫 加藤英孝	日本土壌肥科学雑誌	82(1)	24-35	2012
3 (2)	見かけの塩吸収によるアロフェン質黒ボク土下層土の硝酸イオン吸着と移動遅延	田村和杏 中原治 田中正一 加藤英孝 長谷川周一	日本土壌肥科学雑誌	82(2)	114-122	2011
3 (2)	シミュレーションモデル (PADDY-Large) を用いた水稲用農薬の河川流域における挙動予測：千曲川支流流域への適用	稲生圭哉 北條敏彦 安納弘親 宮崎さとえ 齋藤武司 朴虎東	日本農業学会誌	36(3)	413-427	2011
4 (1)	Response of carbon and nitrogen of alpine plant leaves to translocation experiment along the elevation gradient in the southern slope of Lenglongling, Qilian Mountains	李英年 赵新全 张法伟 杜明遠 汪诗平 贺金生	Acta Botanica Boreali-Occidentalia Sinica (西北植物学报)	31(4)	788-794	2011

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4 (1)	On the temporal upscaling of evapotranspiration from instantaneous remote sensing measurements to 8-day mean daily-sums	Ryu Y. Baldocchi D.D. Black T.A. Detto M. Law B.E. Leuning R. Miyata A. Reichstein M. Vargas R. Ammann C. Beringer J. Flanagan L.B. Gu L. Hutley L.B. Kim J. McCaughey H. Moors E.J. Ramba S. Vesala T.	Agricultural and Forest Meteorology	152(15)	212-222	2012
4 (1)	Comparisons of energy balance and evapotranspiration between flooded and aerobic rice fields in the Philippines	Alberto M.C.R. Wassmasn R. Hirano T. Miyata A. Hatano R. Kumar A. Padre A. Amante M.	Agricultural Water Management	98(9)	1417-1430	2011
4 (1)	The impact of soil uptake on the global distribution of molecular hydrogen: chemical transport model simulation	Yashiro H. Sudo K. Yonemura S. Takigawa M.	Atmospheric Chemistry and Physics	11	6701-6719	2011
4 (1)	Development of a portable relaxed eddy accumulation device and its application for terpenoid flux measurement above a larch forest	Mochizuki T. Tani A. Yasuda T. Ueyama M. Hamotani K. Takahashi Y. Yonemura S. Okumura M. Tohno S. Miyama T. Kominami Y.	Eco-Engineering	23(3)	81-88	2011
4 (1)	Roles and impacts of biomass burning in slash-and-burn land use in tropical mountains: a case study in Laos	Inoue Y.	Global Environmental Research	15	21-30	2011
4 (1)	Waveband selection using a phased regression with a bootstrap procedure for estimating legume content in a mixed sown pasture	Kawamura K. Watanabe N. Sakanoue S Lee H. Inoue Y.	Grassland Science	57(2)	81-93	2011
4 (1)	Surface energy partitioning and evapotranspiration over a double-cropping paddy field in Bangladesh	Hossen M.S. Mano M. Miyata A. Baten M.D. Hiyama T.	Hydrological Processes	26(9)	1311-1320	2011
4 (1)	Tolerance of eddy covariance flux measurement	Kim W. Cho J. Komori D. Aoki M. Yokozawa M. Kanae S. Oki T.	Hydrological Research Letters	5	73-77	2011
4 (1)	Detecting spatiotemporal changes of corn developmental stages in the U.S. corn belt using MODIS WDRVI data	Sakamoto T. Wardlow B.D. Gitelson A.A.	Ieee Transactions On Geoscience and Remote Sensing	49(6)	1926-1936	2011

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4 (1)	Land use configuration under traditional agriculture in Japan: a historical GIS analysis	Sprague D.	International Journal of Geographical Information Science	—	—	2012
4 (1)	Exploring the applicability of field measurements of mid-infrared reflectance using a portable band-pass filter type radiometer to assess paddy rice yields	Shibayama M. Sakamoto T. Kimura A.	International Journal of Remote Sensing	32(13)	3589-3609	2011
4 (1)	Estimation and validation of biomass of a mountainous agroecosystem by means of sampling, spectral data and QuickBird satellite image	Abdullah H.M. Akiyama T. Shibayama M. Awaya Y.	International Journal of Sustainable Development and World Ecology	18(5)	384-392	2011
4 (1)	Assessment of digital camera-derived vegetation indices in quantitative monitoring of seasonal rice growth	Sakamoto T. Shibayama M. Kimura A. Takada E.	Isprs Journal of Photogrammetry and Remote Sensing	66(6)	872-882	2011
4 (1)	Practicalities of non-destructive methodologies in monitoring anthropogenic greenhouse gas emissions from tropical forests under the influence of human intervention	Kiyono Y. Saito S. Takahashi T. Toriyama J. Awaya Y. Asai H. Furuya N. Ochiai Y. Inoue Y. Sato T. Sophal C. Sam P. Tith B. Ito E. Siregar C.A. Matsumoto M.	JARQ-Japan Agricultural Research Quarterly	45(2)	233-242	2011
4 (1)	The characteristic of fractional uncertainty on eddy covariance measurement	Kim W. Komori D. Cho J.	Journal of Agricultural Meteorology (農業気象)	67(3)	163-171	2011
4 (1)	A system model for estimating regional cross-pollination rates between GM and non-GM rice considering actual meteorological conditions and field distributions	Yonemura S. Shibaie H. Iwasaki N. Kawashima S. Ushiyama T. Du M.	Journal of Agricultural Meteorology (農業気象)	67(2)	57-64	2011
4 (1)	Estimation of daily solar radiation from sunshine duration in Thailand	Watanabe S. Komori D. Aoki M. Kim W. Boonyawat S. Tongdeenok P. Prakarnrat S. Baimoung S.	Journal of the Meteorological Society of Japan	89A	355-364	2011
4 (1)	The Péclet effect on leaf water enrichment correlates with leaf hydraulic conductance and mesophyll conductance for CO ₂	Ferrio J.P. Pou A. Florez-Sarasa I. Gressler A. Kodama N. Flexas J. Ribas-Carbó	Plant Cell and Environment	35(3)	611-625	2012
4 (1)	Multi-band spectrum camera (MBSC) for automatic fixed-point reflectance image collection in a crop field	Shibayama M. Sakamoto T. Takada E. Kanda E. Tanaka H. Gomi K. Kimura A.	Plant Production Science	14(4)	391-397	2011

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4 (1)	Application of day and night digital photographs for estimating maize biophysical characteristics	Sakamoto T. Gitelson A.A. Wardlow B.D. Arkebauer T.J. Verma S.B. Suyker A.E. Shibayama M.	Precision Agriculture	13(3)	285-301	2011
4 (1)	Estimating daily gross primary production of maize based only on MODIS WDRVI and shortwave radiation data	Sakamoto T. Gitelson A.A. Wardlow B.D. Verma S.B. Suyker A.E.	Remote Sensing of Environment	115(12)	3091-3101	2011
4 (1)	On the relationship between the Bowen ratio and the near-surface air temperature	Cho J. Oki T. Yeh P. J.-F. Kim W. Kanae S. Otsuki K.	Theoretical and Applied Climatology	108(1-2)	135-145	2011
4 (1)	中国内モンゴル自治区科爾沁（ホルチン）沙地の生態・社会環境と生業構造・奈曼旗（ナイマンキ）砂漠化地域における聞き取り調査報告	烏云娜 岡本勝男 川島博之	システム農学	28(1)	29-45	2012
4 (1)	食糧の生産と安全保障，生態系の持続性に向けたリモートセンシングの役割	井上吉雄	日本リモートセンシング学会誌	31(2)	202-207	2011
4 (2)	A novel actinomycete derived from wheat heads degrades deoxynivalenol in the grain of wheat and barley affected by Fusarium head blight	Ito M. Sato I. Koitabashi M. Yoshida S. Imai M. Tsushima S.	Applied Microbiology and Biotechnology	—	DOI: 10.1007/s0025 3-012-3922-6-	2012
4 (2)	The role of river confluences and meanderings in preserving local hot spots for threatened plant species in riparian ecosystems	Osawa T. Mitsuhashi H. Niwa H. Ushimaru A.	Aquatic Conservation-Marine and Freshwater Ecosystems	21(4)	358-363	2011
4 (2)	Bagging GLM: Improved generalized linear model for the analysis of zero-inflated data	Osawa T. Mitsuhashi H. Uematsu Y. Ushimaru A.	Ecological Informatics	6(5)	270-275	2011
4 (2)	Thirteen novel deoxynivalenol-degrading bacteria are classified within two genera with distinct degradation mechanisms	Sato I. Ito M. Ishizaka M Ikunaga Y. Sato Y. Yoshida S. Koita bashi M. Tsushima S.	Fems Microbiology Letters	327(2)	110-117	2012
4 (2)	Culturable bacterial communities on leaf sheaths and panicles of rice plants in Japan	Shinohara H. Yoshida S. Enya J. Watanabe Y. Tsukiboshi T. Negishi H. Tsushima S.	Folia Microbiologica	56(6)	505-517	2011

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4 (2)	Management-mediated facilitation: <i>Miscanthus sinensis</i> functions as a nurse plant in Satoyama grassland	Osawa T.	Grassland Science	57(4)	204-210	2011
4 (2)	Labor-saving preservation of powdery mildew of strawberry by sterilized seedling culture	Koitabashi M. Yoshida S. Tsushima S.	JARQ-Japan Agricultural Research Quarterly	45(4)	405-409	2011
4 (2)	Occurrence of <i>Tapeinotus sellatus</i> (Fabricius) (Coleoptera, Curculionidae, Ceutorhynchinae) in Japan	Yoshitake H. Sato T.	Japanese Journal of Systematic Entomology	17(2)	347-350	2011
4 (2)	A new ceutorhynchus species (Coleoptera, Curculionidae) attacking field-cultivated wasabi (Brassicaceae) in Northern Japan	Yoshitake H. Fujisawa T. Goto J. Chiba T.	Japanese Journal of Systematic Entomology	17(2)	293-299	2011
4 (2)	Effects of land use and long-term organic matter application on low-molecular-weight organic acids in an Andisol	Takata Y. Tani M. Kato T. Koike M.	Journal of Soil Science and Environmental Management	2(10)	292-298	2011
4 (2)	Paddy-associated frog declines via urbanization: A test of the dispersal-dependent-decline hypothesis	Tsuji M. Ushimaru A. Osawa T. Mitsuhashi H.	Landscape and Urban Planning	103	318-325	2011
4 (2)	Taxonomic review of <i>Mythimna</i> (<i>Mythimna</i>) <i>simillima</i> (Walker) and its close Asia-Oceanian relatives (Lepidoptera, Noctuidae, Hadeninae) with description of a new species	Yoshimatsu S.	Lepidoptera Science (蝶と蛾)	63(1)	18-24	2012
4 (2)	Combined Analyses of Bacterial, Fungal and Nematode Communities in Andosolic Agricultural Soils in Japan	Bao C. Ikunaga Y. Matsushita Y. Morimoto S. Takada-Hoshino Y. Okada H. Oba H. Takemoto S. Niwa S. Ohigashi K. Suzuki C. Nagaoka K. Takenaka M. Urashima Y. Sekiguchi H. Kushida A. Toyota K. Saito M. Tsushima S.	Microbes and Environments	27(1)	72-79	2012
4 (2)	Complete mitochondrial genomes of two green lacewings, <i>Chrysoperla nipponensis</i> (Okamoto, 1914) and <i>Apochrysa matsumurae</i> Okamoto, 1912 (Neuroptera: Chrysopidae)	Haruyama N. Mochizuki A. Sato Y. Naka H. Nomura M.	Molecular Biology Reports	38(5)	3367-3373	2011
4 (2)	Delineation of Japanese soil temperature regime map	Takata Y. Kuwagata T. Kohyama K. Obara H.	Soil Science and Plant Nutrition	57(2)	294-302	2011
4 (2)	Factors controlling organic amendment application rate and long-term change in application rate in Japanese paddy field using longitudinal questionnaire survey dataset (the Basic Soil Environment Monitoring Project, Stationary Monitoring, 1979–1998)	Leon A. Kohyama K. Mishima S. Ohkura T., Shirato Y. Takata Y. Taniyama I. Obara H.	Soil Science and Plant Nutrition	58(1)	104-120	2012

中課題 番号	成果タイトル	著者	掲載誌名	巻(号)	ページ	発行年
4 (2)	ヒラタクワガタ (<i>Dorcus titanus pilifer</i>) 幼虫発育による飼育材中の窒素・炭素量の変化	藏之内利和 望月淳 鈴木一隆 小島啓史 五箇公一	昆蟲 (ニューシリーズ)	14(4)	276-280	2011
4 (2)	コンクリート三面張り河川における生息場所不均一性と底生動物の群集構造の関係	佐々木宏展 大澤剛士 久加朋子 前田知己 石田裕子 清水洋平 三橋弘宗	人と自然 (兵庫県立人と自然博物館研究紀要)	22	13-20	2011
4 (2)	南西諸島に分布するサンゴ石灰岩上の土壌の年齢	前島勇治 長塚鎮男	地球環境	16(2)	169-177	2011
4 (2)	セリの新害虫モトグロヒラタマルハキバガ	吉松慎一 増田俊雄	蝶と蛾	62(4)	148-150	2011
4 (2)	ショウガ科植物から分離された青枯病菌の系統とそれらの寄主範囲	矢野和孝 川田洋一 堀田光生 曳地康史 土屋健一	日本植物病理学会報	77(2)	88-95	2011
4 (2)	東京電力福島第一原子力発電所事故に伴う放射性物質の飛散を受けて実施した放牧試験牛の乳中放射能緊急調査報告	小林美徳 鈴木一好 宮本進 西村宏一 小林正憲 梅村恭子 的場和弘 木方展治	日本畜産学会報	83(1)	57-64	2012
4 (2)	生物多様性情報の整備と活用方法-Web技術を用いた昆虫標本情報閲覧システムの開発を例に-	大澤剛士 栗原隆 中谷至伸 吉松慎一	保全生態学研究	16(2)	231-241	2011
-	Multigene phylogenetic analysis of inter- and intraspecific relationships in <i>Venturia nashicola</i> and <i>V. pirina</i>	Zhao P. Kakishima M. Uzuhashi S. Ishii H.	European Journal of Plant Pathology	132(2)	245-258	2011
-	Cytological evaluation of the effect of azoxystrobin and alternative oxidase inhibitors in <i>Botrytis cinerea</i>	Inoue K. Tsurumi T. Ishii H. Park P. Ikeda K.	Fems Microbiology Letters	326(1)	83-90	2012
-	Cloning and sequence analysis of endopolygalacturonase genes in <i>Venturia nashicola</i> and <i>Venturia pirina</i>	Katoh H. Yamada A. Akimitsu K. Ishii H.	JARQ-Japan Agricultural Research Quarterly	45(4)	423-432	2011
-	Lack of cross-resistance to a novel succinate dehydrogenase inhibitor, fluopyram, in highly boscalid-resistant isolates of <i>Corynespora cassiicola</i> and <i>Podosphaera xanthii</i>	Ishii H. Miyamoto T. Ushio S. Kakishima M.	Pest Management Science	67(4)	474-482	2011
-	mRNA-seq reveals a comprehensive transcriptome profile of rice under phosphate stress	Oono Y. Kawahara Y. Kanamori H. Mizuno H. Yamagata H. Yamamoto M. Hosokawa S. Ikawa H. Akahane I. Zhu Z. Wu J. Itoh T. Matsumoto T.	Rice	4(2)	50-65	2011

注 1) 中課題番号順に配列した。それぞれの課題名は以下のとおり。

中課題	課題名（詳しくは第 II 章を参照されたい）
1(1)	農耕地における総合的な温暖化緩和策の定量評価
1(2)	地球規模環境変動に対する作物応答メカニズムの解明及び影響予測
2(1)	農業生態系における生物多様性の変動メカニズムの解明と適正管理技術の開発
2(2)	環境調和型・持続的農業に役立つ生物・生態機能の解明
3(1)	有害化学物質による農作物汚染リスクの低減技術の高度化
3(2)	化学物質の環境動態予測技術と生態系影響評価手法の開発
4(1)	農業空間情報とガスフラックスモニタリングによる環境動態の監視・予測
4(2)	農業環境情報の整備と統合データベースの構築
無印	該当する中課題なし

注 2) 著者のうち当所に所属する者を太字で記載した。