

1992年 広島大学総合科学部理系教官個人業績表

- 1 Akabori, K., Kuroiwa, A. and Toyoshima, Y. (1992): Studies of the non-heme iron in PSII complexes by means of metal substitution. "Research in Photosynthesis Vol. II" ed. by Murata, N., Kluwer Academic Publishers (Dordrecht), 123-126.
- 2 Ando, M. (1992): Regulatory mechanisms of ion and water transport across the intestine of the seawater fish. "Trends in Comparative Physiology and Biochemistry", Faculty of Science, University of Tokyo, 51-56.
- 3 Ando, M., Kondo, K. and Takei, Y. (1992): Effects of eel atrial natriuretic peptide on NaCl and water transport across the intestine of the seawater eel. *J. Comp. Physiol. B*, 162, 436-439.
- 4 安藤 幸・調枝孝治(1992)：舞踊運動課題リストの自由再生における転移について。鳴門教育大学研究紀要（生活・健康編），7, 17-39.
- 5 安仁屋勝・下條冬樹・岡崎秀雄・小林迪助(1992): 超イオン導電体の静的誘電関数と拡散経路のフラクタル性に見る固化前駆現象. *固体物理*, 27, 565-569.
- 6 Aoki, Y., Suzuki, T., Fujita, T., Takabatake, T., Miyata, S. and Fujii, H. (1992): Superconductivity in $\text{Th}_3\text{Ni}_3\text{Sn}_4$. *J. Phys. Soc. Japan*, 61(2), 684-691.
- 7 荒川泰寿・林 光緒・高木正人・堀 忠雄 (1992)：喫煙行動に及ぼすウルトラディアン変動の影響. 広島大学総合科学部紀要Ⅳ, 18, 63-72.
- 8 Asai, T., (1992): Heavy rainfall during rainy season (Baiu) in Japan. "The Global Role of Tropical Rainfall" (A. Deepak Publishing), 159-168.
- 9 浅井富雄 (1992): 世界気候計画にかかわる海洋研究の最近の動向. *測候時報*, 59(2), 60-68.
- 10 浅井富雄 (1992)：海のグローバルな観測を－21世紀に向けGOOS計画出發－. *科学*, 62(10), 607-608.
- 11 浅井富雄 (1992)：降水に関する気象学研究とその国際協力. 第4回水資源に関するシンポジウム論文集, 29-38.
- 12 Ashida, M., Hara, J. and Nagai, K. (1992): Superconducting transition temperature of proximity-contact superconducting-normal double layers. *Phys. Rev. B*, 45, 828-838.
- 13 Bun-ya, M., Harashima, S. and Oshima, Y. (1992): Putative GTP-binding protein, Gtr1, associated with the function of the Pho84 inorganic phosphate transporter in *Saccharomyces cerevisiae*. *Mol. Cell. Biol.*, 12, 2958-2966.
- 14 調枝孝治・松坂仁美・坂手照憲・矢作 晋・財満義輝 (1992)：運動スキル習得過程での「自信」の測定. *広島スポーツ医・科学研究*, 2, 21-27.
- 15 Daido, M., Fukamiya, N., Okano, M. and Tagahara, K. (1992): Picrasinol-C, a new quassinoid, and its related compounds from the stem wood of *Picrasma ailanthoides*. *J. Nat. Prod.*, 55, 1643-1647.
- 16 Dasgupta, S., Roy, S. and Fukuoka, M. (1992): Depositional models for manganese oxide and carbonate deposits of the Precambrian Sausar Group, India. *Economic Geology*, 87, 1412-1418.
- 17 Dasgupta, S., Sengupta, P., Fukuoka, M. and Chakraborti, S. (1992): Dehydration melting, fluid buffering and decompressional P-T path in a granulite complex from the Eastern Ghats, India. *J. of Metamorphic Geology*, 10, 777-788.
- 18 Eguchi M., Miyamoto M. and Wada R. (1992): An explicit expression of the Harish-Chandra C-function of $\text{SU}(n,1)$ associated to the $\text{Ad}(K)$ representation. *Proc. Japan Acad.*, 68, Ser. A, 232-236.

- 19 Eguchi M. and Tanaka S. (1992): The explicit representation of the determinant of Harish-Chandra's C function in $SL(3, R)$ and $SL(4, R)$ cases. *Hiroshima Math. J.*, 22, 57-93.
- 20 Ekino, T. (1992): Tunneling observation of phonon structures in superconducting $La_{1.85}Sr_{0.15}CuO_4$. *Sov. J. Low Temp. Phys.*, 18, 574-576.
- 21 Ekino, T. and Akimitsu, J. (1992): Tunneling spectroscopy on high T_c superconductors. "Studies of High Temperature Superconductors". ed. by Narliker, A. V., Nova Science (New York) 9, 259-309 (Review Article).
- 22 Ekino, T. and Akimitsu, J. (1992): Tunneling spectroscopy of copper-oxide superconductors. *Jpn. J. Appl. Phys., Ser.7*, 260-271.
- 23 Ekino, T., Ye, Y., Takabatake, T. and Fujii, H. (1992): Hydrogenation effects on copperoxide superconductors. *Jpn. J. Appl. Phys., Ser.7*, 34-40.
- 24 Fujii, H., Miyata, S. and Takabatake, T. (1992): Transition from non magnetic semiconductor to ferromagnetic metal in $U_3(Ni_{1-x}Cu_x)_3Sb_4$. *J. Magn. Magn. Mat.*, 104-107, 45-46.
- 25 Fujii, H., Takabatake, T. and Andoh, Y. (1992): Anisotropic hybridization in some cerium and uranium compound with hexagonal $ZrNiAl$ -type structure. *J. Alloys and Compounds*, 181, 111-121.
- 26 Fujii, H., Takami, J., Akayama, M. and Yamamoto, K. (1992): New publication of $R_2Fe_{17}N_3$ ($R=Ce$ and Sm) under high-pressure nitrogen gas. Proc. 6th Intern. Conf. on Ferrites. Tokyo and Kyoto (Japan), The Japan Society of Powder and Powder Metallurgy, 1081-1086.
- 27 Fujii, H., Yamamoto, K., Tatami, K. and Akayama, M. (1992): Magnetic and structural properties of nitrogenated $RFe_{17}Ti$ intermetallic compounds ($R=Ce, Pr$ and Nd), Proc. 2nd Intern. Symp. Phys. of Magn. Mat. (Beijing China), International Academic Publishers, 624-627.
- 28 Fujisawa, Y., Ikeda, T., Nomoto, K., Yasuda-Kamatani, Y., Minakata, H., Kenny, P. T. M., Kubota, I. and Muneoka, Y. (1992): The FMRamide-related decapeptide of *Mytilus* contains a D-aminoacid residue. *Comp. Biochem. Physiol.*, 102C, 91-95.
- 29 Fujita, T., Suzuki, T., Nishigori, S., Takabatake, T., Fujii, H. and Sakurai, J. (1992): Unusual low temperature properties of Ce compounds. *J. Magn. Magn. Mat.*, 108, 35-39.
- 30 藤高嗣生・川堀勝史・松山敏哉・土肥雪彦・神山貴弥・藤原武弘・伊藤信子・金沢紀代子・三上美由紀・沢井尚子 (1992) : 大腸手術患者の Quality of life. *日本ストーマ学会誌*, 8(1), 13-19.
- 31 藤原祺多夫 (1992): 縮退四波混合法による微量安定同位体の分別定量. *化学*, 47, 64.
- 32 藤原祺多夫 (1992): ミニファイル「光源」. *ぶんせき*, 28-29.
- 33 Fujiwara, K., Ito, S., Kojyo, R., Tubota, H. and Carter, R., (1992): Side-view type of waveguide flow cells for fluorometry as a detector of flow injection analysis of lead. *Appl. Spectrosc.*, 46, 1032-1039.
- 34 Fujiwara-Sakata, M. and Kobayashi, M. (1992): Neuropeptides regulate the cardiac activity of a prosobranch mollusc *Rapana thomasi*. *Cell Tissue Res.*, 269, 241-247.
- 35 Fukamiya, N., Okano, M., Miyamoto, M., Tagahara, K. and Lee, K. H. (1992): Antitumor agents 127. bruceoside-C, a new cytotoxic quassinoid glucoside, and related compounds from *Brucea javanica*. *J. Nat. Prod.*, 55, 468-475.
- 36 Fukuoka, Y. (1992): The dendroclimatological study on the little ice age in Japan. Proc. on the Little Ice Age Climate, 71-74.
- 37 福岡義隆 (1992): 人間的尺度の地球環境. *古今書院*, 156p.

- 38 福岡義隆 (1992): 日本の小氷期に関する年輪気候学的研究. 樹木年輪, 5, 69-73.
- 39 福岡義隆 (1992): 酸性雨と黄砂. 環境と測定技術, 19(8), 59-70.
- 40 福岡義隆 (1992): 熱帯夜についての一考察. 気象利用研究, 5, 44-46.
- 41 福岡義隆 (1992): 環境地理学の立場. 日本生気象学会雑誌, 29(4), 239-245.
- 42 福岡義隆・岸 泰之 (1992): 樹木年輪生長量に現れた環境汚染. 中国・四国の農業気象, 5, 24-26.
- 43 福岡義隆・高橋日出男・開発一郎 (1992): 都市気候環境の創造における水と緑の役割. 日本生気象学会雑誌, 29(2), 101-106.
- 44 福岡義隆・高橋日出男・二宮昌子・張 一平 (1992): 広島市の都市気候に与える海陸風の影響. 西沢利栄教授退官記念論文集, 91-103.
- 45 Furukawa, Y., Kandel, E. R. and Pfaffinger, P. (1992): Three types of early transient potassium currents in *Aplysia* neurons. *J. Neurosci.*, 12, 989-1000.
- 46 Harima, H., Miyake, M. and Yamashita, K. (1992): Synergism in photocurrent induced by simultaneous illumination of porphyrin solids with visible and near-infrared lights. *Chem. Phys. Lett.*, 200, 263-266
- 47 Hayase, K. (1992): Size and shape of humic acid macromolecules by surface pressure-area isotherms at the air-water interface. *Sci. Total Environment*, 117-118, 89-92.
- 48 林 光緒・堀 忠雄 (1992) : 早朝3時間の仮眠が連続作業中の作業成績と眠気に及ぼす効果. 生理心理学と精神生理学, 10(2), 71-82.
- 49 Hayashi, M., Morikawa, T. and Hori, T. (1992): EEG alpha activity and hallucinatory experience under sensory deprivation. *Percept. Mot. Skills*, 75, 403-412.
- 50 Hayashi, N., Honda, K. and Komae, H. (1992): Attractancy of *Cryptoporus volvatus* to *Ischnodactylus loripes*. *Proc. 9th ISCE*, 80.
- 51 Hayes, K. C., Allatt, R. D., Wolfe, D. L., Kasai, T. and Hsieh, J. (1992): Reinforcement of subliminal flexion reflexes by transcranial magnetic stimulation of motor cortex in subjects with spinal cord injury. *Electroenceph. Clin. Neurophysiol.*, 85, 102-109.
- 52 Hiraoka, T., Takabatake, T., Miyata, S. and Fujii, H. (1992): Hall effect in the heavy Fermion compounds $U_3Au_3Sn_4$ and $U_3Cu_3Sn_4$. *J. Magn. Magn. Mat.*, 105, 168-170.
- 53 本田計一 (1992): アゲハチョウ類の寄主選択に関する植物成分. 第9回資源生物科学シンポジウム講演要旨集, 7-10.
- 54 本田計一 (1992): チョウの産卵行動と植物成分. 昆虫と自然, 27, 7-14.
- 55 Honda, K. and Hayashi, N. (1992): Chemical basis of differential oviposition by some *Papilio* butterflies. *Proc. 9th ISCE*, 81.
- 56 堀 忠雄 (編著) (1992): 脳生理心理学重要研究集(1), 意識と行動. 誠信書房, 東京, 265p.
- 57 堀越孝雄 (1992): 土と微生物—目にみえぬ生きものとのつきあい. 広島大学放送教育実施委員会 (編) 広島大学公開講座「生きものとの付き合い, われわれをとりまく自然」, 広島, 67-74.
- 58 堀越孝雄 (1992): ハラタケ科, ヒトヨタケ科, オキナタケ科, モエギタケ科, ヒダハタケ科, オウギタケ科. 広島県のキノコ, 中国新聞社, 広島, 88-115.
- 59 星野公三 (1992): 高温・高圧下における液体アルカリ金属の構造. 日本高圧力学会誌「高圧力の科学と技術」, 1, 280-287.
- 60 Hoshino, K., Ugawa, H. and Watabe, M. (1992): Temperature dependence of the dynamical structure of

- expanded liquid rubidium. J. Phys. Soc. Jpn., 61, 2182-2185.
- 61 Hoshino, K. and Watabe, M. (1992): Electron density distribution in liquid sodium. J. Phys. Soc. Jpn., 61, 1663-1669.
- 62 星野公三・渡部三雄 (1992): 液体金属の構造の理論—最近の発展—. 固体物理, 27, 95-105.
- 63 細羽竜也・内田信行・生和秀敏 (1992): 日本語版モーズレイ強迫神経症質問紙 (MOCI) の因子論的検討. 広島大学総合科学部紀要IV, 18, 53-61.
- 64 Hosokawa, S., Sakaguchi, Y. and Tamura, K. (1992): X-ray diffraction measurements for liquid As₂Se₃ up to the semiconductor-metal transition region. J. Non-Cryst. Solids, 150, 35-39.
- 65 細川伸也・田村剛三郎 (1992): 金属—非金属転移を起こす低密度水銀の原子配列—エネルギー分散法によるX線回折測定—. 広島大学総合科学部紀要IV, 17, 1-34.
- 66 Hosokawa, S., Tamura, K., Inui, M., Yao, M., Endo, H. and Hoshino, H. (1992): Extended x-ray absorption fine structure studies of dense selenium vapor. J. Chem. Phys., 97, 786-788.
- 67 Hosokawa, S., Yamada, S. and Tamura, K. (1992): X-ray diffraction measurements for expanded liquid alkali halides at very high temperatures. J. Non-Cryst. Solids, 150, 40-43.
- 68 井原 零・河村 敦・林 春男・坂田省吾・山上 暁・石原茂和・畑本恵子 (1992): コンピュータ版心理学テキストの作成手法の開発(1). コンピュータと教育, 23, 19-27.
- 69 Ikeda, T., Kiss, T., Hiripi, L., Kubota, I., Yasuda-Kamatani, Y., Minakata, H., Kenny, P. T. M., Nomoto, K. and Muneoka, Y. (1992): The structural multiplicity of *Mytilus* inhibitory peptides isolated from pulmonate molluscs. Acta Biol. Hung., 43, 487-490.
- 70 Ikeda, T., Kubota, I., Minakata, H., Nomoto, K. and Muneoka, Y. (1992): H-Ala-Leu-Thr-OH, an inhibitory neuropeptide isolated from the ventral nerve cords of an echiuroid worm, *Urechis unicinctus*. "Peptide Chemistry" 1991, Ed. by A. Suzuki, Protein Rese arch Foundation, Osaka, 315-320.
- 71 Ikeda, T., Kubota, I. and Muneoka, Y. (1992): Bioactive substances in nerve-cord extracts from an echiuroid, *Urechis unicinctus*-II. Peptidic substances. Comp. Biochem. Physiol., 102C, 51-55.
- 72 Ikeda, T., Kuroki, Y., Kubota, I., Minakata, H., Nomoto, K., Miki, W., Kiss, T., Hiripi, L. and Muneoka, Y. (1992): SSFVRIamide peptides - A new family of neuropeptides distributed interphyletically. "Peptide Chemistry 1991", Ed. by A. Suzuki, Protein Research Foundation, (Osaka), 65-70.
- 73 Ikeda, T., Yasuda-Kamatani, Y., Minakata, H., Kenny, P. T. M., Nomoto, K. and Muneoka, Y. (1992): *Mytilus*-inhibitory peptide analogues isolated from the ganglia of apulmonate mollusc, *Achatinafulica*. Comp. Biochem. Physiol., 101C, 245-249.
- 74 Ikushiro, S., Kominami, S. and Takemori, S. (1992): Adrenal P-450(scc) modulates activity of P-450(11 β) in liposomal and mitochondrial membranes: Implication of P-450(scc) in zone specificity of aldosterone Biosynthesis in bovine adrenal. J. Biol. Chem., 267, 1464-1469.
- 75 Ikushiro, S., Kominami, S., Yamazaki, T. and Takemori, S. (1992): Control mechanism of P-450 (11 β) dependent catalytic activity in bovine adrenal mitochondria (Biochemistry and Biophysics of Cytochrome P-450) "Structure and Function, Biotechnological and Ecological Aspects" ed. by Archakov, A.I. (Taylor and Francis Inc.), 95-100.
- 76 Imamura, K., Fukamiya, N., Okano, M., Tagahara, K. and Lee, K. H. (1992): Catalytic hydrogenation of dehydro quassinoids and cytotoxic antitumor activity of the hydrogenation products. Bull. Chem. Soc. Jpn., 65, 2684-2689.

- 77 Ishida, M., Suzaki, T. and Shigenaka, Y. (1992): Ultrastructure and calcium-dependent contraction of the myonemal net in a heterotrich ciliate *Blepharisma japonicum*. *Europ. J. Protistol.*, 28, 279-287.
- 78 石田正樹・洲崎敏伸・重中義信 (1992): 繊毛虫 *Blepharisma* の細胞モデルにおける伸長反応. 原生動物学雑誌, 25, 42-43.
- 79 石井好二郎・豊岡示朗・前田如矢 (1992): 児童期のマラソントレーニングが有酸素能力に及ぼす影響. 体育の科学, 42, 211-215.
- 80 磯道義典・山縣敬一・原田耕一 (1992): 情報学概論, 共立出版, 東京, 182p.
- 81 岩永 誠 (1992): 堀 忠雄・斎藤勇 (編), 脳生理心理学重要研究集 1. 誠心書房, 1-34.
- 82 岩永 誠 (1992): 不安反応表出に及ぼす不安状況の影響. 行動療法研究, 18(1), 27-35.
- 83 岩永 誠・矢内直行・坂上ルミエ (1992): テンポの好みに関する基礎的研究 (IV) - 刺激の音色の効果 -, 作陽音楽大学・作陽短期大学研究紀要, 25(1), 1-8.
- 84 Iwata, N., Ito, M., Kishino, T., Fujii, H., Shigeoka, T., Sugiyama, K. and Date, M. (1992): Model for the magnetic transition in UPdIn. *J. Magn. Magn. Mat.*, 104-107, 27-28.
- 85 Jefcoate, C. R., McNamara, B. C., Artemenco, I. and Yamazaki, T. (1992): Regulation of cholesterol movement to mitochondrial cytochrome P450(scc) in steroid hormon synthesis. *J. Steroid Biochem. Mol. Biol.*, 43, 751-767.
- 86 Jirman, L., Sechovsky, V., Havela, L., Ye, W., Takabatake, T., Fujii, H., Suzuki, E., Bruck, E., and de Boer, F.R. (1992): Magnetic and Transport Properties of UNiGa. *J. Magn. Magn. Mat.*, 104-107, 19-20.
- 87 Kaang, B.-K., Pfaffinger, P. J., Grant, S. G. N., Kandel, E. R. and Furukawa, Y. (1992): Overexpression of an *Aplysia* Shaker K⁺ channel gene modifies the electrical properties and synaptic efficacy of identified *Aplysia* neurons. *Proc. Natl. Acad. Sci. USA*, 89, 1133-1137.
- 88 海堀正博 (1992): 小流域での流出土砂量とそれに対する砂防施設の役割 - 特にダム堆砂勾配について. 広島大学総合科学部紀要IV, 18, 19-34.
- 89 開発一郎 (1992): 不飽和水分量測定における TEM 波 TDR 法の有効性. 京都大学水資源センター報告, 11, 3-11.
- 90 開発一郎 (1992): びわ湖あやめ浜湖岸試験流域の地下水流動調査. ハイドロロジー (日本水文科学会誌), 22, 47-54.
- 91 鎌田磨人・高橋史樹 (1992): 焼き畑耕作者による環境評価と耕作体系 - 宮崎県椎葉村の事例を中心として. 徳島県立博物館研究報告, 2, 11-42.
- 92 Karmakar, S. and Fukuoka, M. (1992): Genesis of leptynites; evidence from Araku Valley, Eastern Ghats, India. *Indian Minerals*, 46(3/4), 247-258.
- 93 神谷俊昭・児子修司 (1992): 岐阜県福地産のデボン紀直錐殻頭足類に認められる色帯. 地学研究, 41, 149-153.
- 94 金丸昭治・佐田公好・林 春男・中山隆弘・浅野照雄 (1992): 1993 年広島地震を想定した都市防災に関する研究. 第29回自然災害科学総合シンポジウム論文集, 21-30.
- 95 Kasai, T., Hayes, K. C., Wolfe, D. L. and Allatt, R. D. (1992): Afferent conditioning of motor evoked potentials following transcranial magnetic stimulation of motor cortex in normal subjects. *Electroenceph. Clin. Neurophysiol.*, 85, 95-101.
- 96 Kasai, T., Kawanishi, M. and Yahagi, S. (1992): The effects of wrist muscle vibration on human voluntary elbow flexion-extension movements. *Exp Brain Res.*, 90, 217-220.

- 97 Kasai, T. and Seki, H. (1992): Premotor reaction time (PMT) of the reversal elbow extension-flexion as a function of response complexity. *Human Mov. Sci.*, 11, 319-334.
- 98 Kasai, T. and Taga, T. (1992): Effects of varying load conditions on the organization of postural adjustments during voluntary arm flexion. *J. Mot. Behav.*, 24, 358-365.
- 99 Kasamatsu, Y., Kojima, K., Hihara, T., Graham, R. G. and Riedi, P. C. (1992): Pressure dependence of hyperfine fields at impurities in ferromagnetic GdZn host. *J. Magn. Magn. Mater.*, 104-107, 1413-1414.
- 100 河原 明 (1992): 両生類の変態 (上) 肝臓の変態. *Cell Science* (医学出版センター), 8, 580-586
- 101 河原 明 (1992): 両性類変態期の肝細胞における遺伝子発現プログラムの再編成についての研究. 一般研究(C) 04640659.
- 102 河合一武・小宮山伴与志・笠井達哉 (1992) : 踵部挙上運動時の姿勢調節にかかわる下腿筋群の活動様式. *体育学研究*, 37, 145-158.
- 103 川西正行・笠井達哉・矢作 晋 (1992): 振動刺激が筋・運動感覚の歪みに及ぼす影響—aftereffectの分析を中心に—. *広島大学総合科学部紀要IV*, 18, 43-52.
- 104 菊地邦雄・小村 堯・渡辺和彦・山崎昌廣・笹原英夫・村木里志 (1992): 国体選手の健康管理に関する研究—選手と指導者を対象者とした調査の広島と全国の比較. *広島スポーツ医・科学研究*, 2, 49-65.
- 105 Kobayashi, M., Shimojo, F., Okabe, T., Tachibana, F., and Okazaki, H. (1992): Structural and dynamical properties of YSZ. *Solid State Ionics: Materials and Applications*, 229-238.
- 106 Kobayashi, M. and Fujiwara-Sakata, M. (1992): Peptidergic regulation of muscle movements in a prosobranch mollusc, *Rapana thomasi*. *Acta Biologica Hungarica*, 43, 159-166.
- 107 Kobayashi, M., Muneoka, Y., Fujimoto, K., Ohta, N., Yoshida, M., Kubota, I., Nomoto, K., Minakata, H. and Yasuda-Kamatani, Y. (1992): Structure and function of neuropeptides containing a D-amino acid residue isolated from the African giant snail *Achatina fulica*. *Peptide Chemistry 1991*. ed. by A. Suzuki, Protein Research Foundation, Osaka, 321-326.
- 108 Kobayashi, M., Muneoka, Y. and Fujiwara-Sakata, M. (1992): Involvement of neuropeptides in the regulation of heart beat of the African giant snail, *Achatina fulica* Ferussac. "Comparative Physiology, Vol. 11. Phylogenetic Models in Functional Coupling of the CNS and the Cardiovascular System" eds. by R.B.Hill, K. Kuwasawa, B. R. McMahan and T. Kuramoto, Karger (Basel), 211-219.
- 109 Kobayashi, M. and Suzuki, A. (1992): Invertebrate neuropeptides: Their localization, structure and function. *Introduction. Experientia*, 48, 423-424.
- 110 小谷二郎・富樫一巳(1992): ミズキの葉の展開とシュート伸長. *日生態会誌*, 42, 115-123.
- 111 Koga, A., Harada, K., Kusakabe, S. and Mukai, T. (1992): Spontaneous mutations affecting glycerol-3-phosphate dehydrogenase enzyme activity in *Drosophila melanogaster*. *Jpn. J. Genet.* 67, 125-132.
- 112 Kohyama, T. and Fujihara, T. (1992): Effects of need for cognition and distraction on issue-relevant elaboration and attitude change. *Japanese J. Experimental Social Psychology*, 31(3), 222-230.
- 113 Kojima, K., Hukuda, Y., Miyata, S., Takabatake, T., Fujii, H. and Hihara, T. (1992): NMR study of uranium ternary compound $U_3Ni_3Sn_4$. *J. Magn. Magn. Mat.* 104-107, 49-50.
- 114 Kojima, K., Yabuta, H. and Hihara, T. (1992): Magnetic and NMR study of valence phase transition in $YbIn_{1-x}T_xCu_4$ (T=Ag and Au). *J. Magn. Magn. Mat.*, 104-107, 653-654.
- 115 Kojima, K., Sakurai, N., Kuraishi, S., Yamamoto, R. and Inaba, A. (1992): Physical measurement of

- firmness of banana fruit pulp: determination of optimum conditions for measurement. *Postharvest Biology & Technology*, 2, 41-49.
- 116 小南思郎 (1992): 2,1-ヒドロキシラーゼ (新生化学実験講座9. ホルモンⅢ. 非ペプチドホルモン), 132-136.
- 117 Kominami, S., Ogawa, N., Morimune, R., De-Ying, H., and Takemori, S. (1992): The role of cytochrome b5 in adrenal microsomal steroidogenesis. *J. Steroid Biochem. Molec. Biol.*, 42, 57-64.
- 118 小南思郎・武森重樹 (1992): シトクロムP-450電子伝達系成分のリポソーム膜への再構成法 (新生化学実験講座9. ホルモンⅢ. 非ペプチドホルモン), 159-163.
- 119 Komura, S., Kobayashi, H., Ueno, S. and Takeda, T. (1992): Structural relaxation process in a two-dimensional XY clock model. "Slow Dynamics in Condensed Matter", American Institute of Physics, New York, 575-576.
- 120 Kossor, C. D., Kominami, S., Takemori, S. and Colby, H. D. (1992): Destruction of testicular cytochrome P-450 by 7 α -thiospirolactone is catalyzed by the 17 α -hydroxylase. *J. Steroid Biochem. Molec. Biol.*, 42, 421-424.
- 121 Kratzer, A., Kalvius, G. M., Takabatake, T., Nakamoto, G., Fujii, H. and Kreitzman, S. R. (1992): A μ -SR study of magnetic correlations in CeNiSn. *Europhys. Lett.*, 19, 649-654.
- 122 Kunugi, Y., Nonaka, T., Chong, Y-B. and Watanabe, N. (1992): Polarization Study on a hydrophobic Ni/PTFE Composite-plated Nickel Electrode. *Electrochimica Acta*, 37, 353-355.
- 123 Kunugi, Y., Ono, Y. and Nonaka, T. (1992): Electroreduction of aldehydes in hydration/dehydration equilibria. *J. of Electroanalytical Chemistry*, 333, 325-329.
- 124 倉石 晉 (1992): 緑の復元—マングローブ林. 広島大学放送教育実施委員会 (編) 広島大学公開講座「生きものとの付き合い, われわれをとりまく自然」, 広島, 119-127.
- 125 Kurisu, M., Takabatake, T. and Fujii, H. (1992): Structural and magnetic phase transition in UPdIn under pressure—strong depression of magnetism with pressure. *J. Magn. Magn. Mat.*, 104-107, 29-30.
- 126 黒川正流・橋口捷久・坂田桐子 (訳) (1992): R. ブラウン (著) 1988 グループ・プロセス—集団内行動と集団間行動. 北大路書房, 東京, 323p.
- 127 黒川正流・林 春男・小島美樹 (1992): 青年期の親子関係における相互依存性の構造. 広島大学総合科学部紀要Ⅳ, 18, 83-99.
- 128 Kuroki, Y., Kanda, T., Kubota, I., Ikeda, T., Fujisawa, Y., Minakata, H. and Muneoka, Y. (1992): FMRamide-related peptides isolated from the prosobranch mollusc *Fusinus ferrugineus*. *Acta Biol. Hung.*, 43, 491-494.
- 129 楠戸一彦 (1992): 中世騎士のトレーニング. *体育の科学*, 42(10), 778-782.
- 130 Kyogaku, M., Kitaoka, Y., Asayama, K., Takabatake, T. and Fujii, H. (1992): Magnetic instability of the gap state in CeNiSn at very low temperature. *J. Phys. Soc. Jpn.*, 61, 43-46.
- 131 Maeno, Y., Odagawa, A., Kakehi, N., Fujita, T., Matsukuma, K., Ekino, T. and Fujii, H. (1992): Lattice instabilities and superconductivity in La_{2-x}(Ba,Sr)_xCuO₄. "The Physics and Chemistry of Oxide Superconductors" eds. by Iye, Y. and Yasuoka, H., Springer (Berlin), 201-204.
- 132 牧野壱彦・洲崎敏伸・重中義信 (1992): 太陽虫 *Raphydiophrys elegans* の微細構造. *原生動物学雑誌*, 25, 41-42.
- 133 Mase, S. (1992): Uniform LAN condition of planar Gibbsian point processes and optimality of maximum likelihood estimators of soft-core potential functions. *Probab. Theory Relat. Fields*, 92, 51-

- 67.
- 134 Mase, S. (1992): Approximations to the birthday problem with unequal occurrence probabilities and their application to the surname problem in Japan, *Ann. Inst. Statist. Math.*, 44, 479-499.
- 135 Mase, S. (1992): Maximum pseudo-likelihood estimators of second order for Gibbsian spatial point process and its strong consistency, Technical Report of Statistical Research Group of Hiroshima University, No.308.
- 136 間瀬 茂・尾形良彦・種村正美 (1992): 点配置型データの統計—理論と応用の現状—. *日本数学会誌「数学」*, 44(3), 193-204.
- 137 Matsuda, M. (1992): Phase-transition phenomena in proton-proton interaction. Proc. of XIII International Conf., Few-Body Problems Phys.; Flinders Univ., Report FLAS-R-216, 118-119.
- 138 Mizukami, K. and Wu, H. (1992): New necessary conditions for optimality of singular controls in optimal control problems. *International Journal of Systems Science*, 23, 1335-1345.
- 139 Mizukami, K. and Xu, H. (1992): Closed-loop Stackelberg strategies for linear-quadratic descriptor systems. *J. Optimization Theory and Applications*, 74, 151-170.
- 140 Mizukami, K. and Xu, H. (1992): A note on the open-loop linear-quadratic Nash games for continuous descriptor systems. *Transaction of the Society of Instrument and Control Engineers*, 28(7), 896-898.
- 141 Mizukami, K. and Xu, H. (1992): Feedback coordinating control for a class of two-level descriptor systems. Proc. of 31st IEEE Conf. on Decision and Control, Tuscon, U.S.A., 1352-1353.
- 142 Mizuta, Y. (1992): Growth properties of p-th hyperplane means of Green potentials in a half space. *J. Math. Soc. Japan*, 44, 1-12.
- 143 Mizuta, Y. (1992): Spherical means of Beppo Levi functions. *Math. Nachr.*, 158, 241-262.
- 144 Mori, H., Hoshino, K. and Watabe, M. (1992): Concentration dependence of the structure of liquid Li-Na alloys. *J. Phys. Phys. Soc. Jpn.*, 61, 1218-1224.
- 145 Morinaga, Y., Sakata, K. and Koshi, R. (1992): Marital satisfaction and division of family related tasks among Japanese married couples. *Psychological Reports*, 70, 163-168.
- 146 宗岡洋二郎 (1992): 系統発生的立場からみた神経ペプチドの構造と進化. *脳腸ホルモン学会ニュース*, 7, 1-7.
- 147 Muneoka, Y. and Kobayashi, M. (1992): Comparative aspects of structure and action of molluscan neuropeptides. *Experientia*, 48, 448-456.
- 148 永田 浩・藤井博信 (1992): R (希土類) - Fe - N系永久磁石 (窒素侵入型希土類永久磁石材料). *日本金属学会会報*, 31(4), 253-260.
- 149 永田 浩・藤井博信 (1992): Sm₂Fe₁₇窒化物系永久磁石材料. *エレクトロニクス・セラミックス*, 23(115), 17-21.
- 150 Nagata, J., Matsuda, M., Hiroshige, N. and Ueda, T. (1992): Analysis of pp-pp, pp- π d and π d- π d about narrow structure at $\sqrt{s}=2.16$ GeV. Proc. of XIII International Conf., Few-Body Problems Phys., Flinders Univ., Report FLAS-R-216, 188-189.
- 151 Nagata, J., Matsuda, M., Hiroshige, N. and Ueda, T. (1992): Analysis of pp-pp, π d- π d and pp- π d concerning narrow structure in pp-Ay data at $\sqrt{s} \sim 2.16$ GeV. *Phys. Rev. C*, 45(4), 1432-1443.
- 152 Nagata, J., Matsuda, M., Hiroshige, N. and Ueda, T. (1992): Two-pole analysis of narrow structures in KEK pp-Ay, related with pp-pp, π d- π d and pp- π d observables. *Mod. Phys. Letters A*, 7(38), 3575-3581.

- 153 中越信和 (1992): 植物の群集構造に及ぼす治水施設の影響の研究. 平成2年及び3年度河川整備基金助成研究成果報告, 42p.
- 154 中越信和 (1992): 人が作り出す景観と植物—草原と里山の植物. 広島大学放送教育実施委員会 (編), 広島大学公開講座「生きものとの付き合い, われわれをとりまく自然」, 広島, 11-20.
- 155 Nakagoshi, N., Kamada, M. and Hong, S.-K. (1992): Map of actual vegetation of Miwa-cho, Hiroshima Prefecture. *Bull. Biol. Soc. Hiroshima Univ.*, 58, 3-6. + map.
- 156 Nakagoshi, N. and Ohta, Y. (1992): Factors affecting the dynamics of vegetation in the landscapes of Shimokamagari Island, southwestern Japan. *Landscape Ecology*, 7, 111-119.
- 157 Nakagoshi, N., Somiya, K. and Nehira, K. (1992): Map of actual vegetation of Kake-cho Hiroshima Prefecture. *Mem. Fac. Integrated Arts and Sci. Hiroshima Univ.*, IV, 17, 51-58. + map.
- 158 中越信和・高橋史樹 (1992): 身近な自然保護. 広島大学放送教育実施委員会 (編) 広島大学公開講座「生きものとの付き合い, われわれをとりまく自然」, 広島, 141-150.
- 159 中越信和・和田秀次 (1992): 温帯林の植物群集の構造と動態. 個体群生態学会会報, 49, 98-106.
- 160 中根周歩 (1992): 地方自治体における環境アセスメントの問題点とその改善への提言—広島県を例に—. *環境情報科学*, 21(4), 61-66.
- 161 中根周歩. (1992): 酸性雨等による植物衰退現象の実態/広島のマツ. *資源環境対策*, 28(14), 1340-1343.
- 162 中根周歩 (1992): 地球環境を守る. 中学国語, 教育出版, 東京, 172-180.
- 163 中根周歩 (1992): 森林の環境保全機能. 広島大学放送教育実施委員会 (編) 広島大学公開講座「生きものとの付き合い, われわれをとりまく自然」, 広島, 31-39.
- 164 Nakane, K. and Kimura, Y. (1992): Assessment of pine forest damage by blight based on Landsat TM data and correlation with environmental factors. *Ecological Research*, 7, 9-18.
- 165 中坪孝之 (1992): 極限の自然環境中の生きもの. 広島大学放送教育実施委員会 (編) 広島大学公開講座「生きものとの付き合い, われわれをとりまく自然」, 広島, 109-118.
- 166 Nakatsubo, T. and Ohtani, S. (1992): Note on the structure of moss colonies composed of two species on King George Island, the South Shetland Islands. *Nankyoku Shiryo (Antarct. Rec.)*, 36, 285-293.
- 167 根平邦人 (1992): 都市の植物—身近な植物たちの世界. 広島大学放送教育実施委員会 (編) 広島大学公開講座「生きものとの付き合い, われわれをとりまく自然」, 広島, 21-30.
- 168 Nishii, R. (1992): Box-Cox transformations and power variance functions in the exponential dispersion model. *Res. Memo. #459, Institute of Statistical Math.*
- 169 Nishii, R. (1992): Saddlepoint approximation for the distribution function of the mean of random variables. *Hiroshima Mathematical Journal*, 22(1), 177-183.
- 170 Nishii, R. (1992): Validity of the Box-Cox transformation of the exponential dispersion model with power variance function. *数理解析研究所講究録, #777*, 45-50.
- 171 Nishimura, H., Inoue, S., Ikeda, K., Teshima, K., Samejima, Y., Omori-Satoh, T. and Hayashi, K. (1992): Kinetics of the hydrolysis of the micellar substrates catalyzed by snake venom phospholipases A₂. *J. Biochem.*, 111, 210-218.
- 172 西村良二 (1992): 青年期のグループ精神療法過程でみられた抑うつポジションの防衛とその介入をめぐる. *総合保健科広島大学保健管理センター研究論文集*, 8, 15-20.
- 173 西村良二 (1992): 医療・看護・メンタルヘルスの心理学, 169p.
- 174 西村良二・石井道恵・堤 啓 (1992): 青年期後期の身体満足度と自尊心 (自己評価) との関連

- について. 九州神経精神医学, 38(1), 20-27.
- 175 西村良二・堤 啓・西園昌久 (1992): 20年前と現代の子供の行動の比較. 社会精神医学, 15(1), 1-17.
- 176 Ogita, N., Takanashi, S., Udagawa, M. and Ohbayashi, K. (1992): Infrared anomaly in $(La_{1-x}Sr_x)_2NiO_{4+d}$. J. Phys. Soc. Jpn., 61, 3009-3010.
- 177 Oguro, K., Sakamoto, K., Kitajima, K., Oda, T., Hirano, T., Shimizu, N. and Utiyama, H. (1992): Determination of transcriptional activities of typical Gene promoters in HL-60 cells. J. Biochem, 111, 103-108.
- 178 Ohama, T., Yasuoka, H., Takabatake, T., Miyata, S. and Fujii, H. (1992): NMR and NQR studies of a semiconducting compound $U_3Ni_3Sb_4$. J. Phys. Soc. Jpn., 61, 437-439.
- 179 大林康二 (1992): ラマン・スペクトル微細構造による量子固体フォノンの研究. 平成4年度科研費一般C, 04640371.
- 180 Ohbayashi, K., Takanashi, S., Yamguchi, T., Ogita, N., Udagawa, M., Kato, M., Maeno, Y. and Fujita, T. (1992): Infrared anomaly in high-Tc superconducting oxides. Jpn. J. Appl. Phys., Series 7, 147-153.
- 181 大野哲二・於保幸正 (1992): 広島県湯来地域における吉和層群の微小構造. 広島大学総合科学部紀要IV, 9, 33-40.
- 182 Ohta, Y., Kawato, S., Tagashira, H., Takemori, S. and Kominami, S. (1992): Dynamic structure of adrenocortical cytochrome P-450 in proteoliposome and microsomes: Protein rotation study. Biochemistry, 31, 12680-12687.
- 183 Ohya, Y., Watanabe, K., Shimamoto, N. and Amano, M. (1992): Scleral fibroblasts of the chick embryo can proliferate without transferrin in protein-free culture. Zool. Sci. 9, 749-755.
- 184 岡林尚子・武島あゆみ・生和秀敏 (1992): スピーチ不安に対するイメージ・トレーニング方略の効果に関する検討. 行動療法研究, 18, 1-9.
- 185 岡野正義・林 七雄・深宮齊彦・本田計一・脇 健 共著 (1992): 新しい有機化学—ライフサイエンスの基礎. 三共出版, 東京, 208p.
- 186 Pedder, S., Sharma, R., Muneoka, Y. and Walker, R. J. (1992): An initial screen of a series of neuroactive peptides for activity on identified central neurones of *Helix aspersa*. Comp. Biochem. Physiol., 103C, 441-451.
- 187 Rahman, S. M. M. and Hoshino, K. (1992): A new point-ion pseudising potential for s-p bonded metals. J. Phys. Condens. Matter, 4, 399-411.
- 188 Rim, Y., Kang, H.-K. and Nakagoshi, N. (1992): Phytosociological studies on the *Pinus densiflora* forests of four forest zones in Korea. The Research Journal of Incheon Teachers College, 25(2), 227-258. (In Korean with English summary).
- 189 Sada, K. and Danner, W. R. (1992): *Pseudoschwagerina skinneri*, n. sp. from near Kamloops in British Columbia, Canada. Trans. Proc. Palaeont. Soc. Jpn. N. S., 167, 1259-1263.
- 190 Sada, K., Tanaka, K., Fujimoto, M. and Oho, Y. (1992): Carboniferous primitive fusulinace and endothyracean faunas in the lower part of the Atetsu Limestone. Mem. Fac. Integr. Arts and Sci. Hiroshima Univ., IV, 17, 91-109.
- 191 Sada, K., Takata, J. and Oho, Y. (1992): Radiolarian faunas discovered from the Permian Yoshii Group in Okayama Prefecture, western Japan. Cent. Japan Micropalaeont. Terra Sci. Pub. Co. Tokyo, 383-387.

- 192 Sakata, K. and Kurokawa, M. (1992): Sex differences in leader behavior from the perspective of attitudes toward sex roles and influence strategies. *The Japanese J. Experimental Social Psychology*, 31, 187-202.
- 193 坂田桐子・黒川正流 (1992): 性別顕著性が自己定義および対人評定に及ぼす効果に関する研究. 広島大学総合科学部紀要Ⅳ, 18, 73-82.
- 194 Sakata, S. (1992): Temporal discrimination in rats. *International J. of Psychology*, 27, 39.
- 195 Sakurai, N. and Nevins, D. J. (1992): Evaluation of stress-relaxation in fruit tissues. *Hort Technology*, 2, 398-402.
- 196 笹原英夫・柳川和優・小村 堯・菊地邦雄・渡部和彦 (1992): 競技成績からみた最大酸素摂取量と無酸素性作業閾値-第1報-. 広島スポーツ医・科学研究, 2, 1-3.
- 197 笹木義雄・根平邦人(1992): 海岸砂丘地における飛砂が植生におよぼす影響. 広島大学総合科学部紀要Ⅳ, 17, 59-71.
- 198 佐藤博明 (1992): 火砕流の発生機構. *科学*, 62, 562-565.
- 199 Sato, H., Fujii, T. and Nakada, S. (1992): Crumbling of dacite dome lava and generation of pyroclastic flows at Unzen Volcano. *Nature*, 360, 664-666.
- 200 Sato, H. and Kuchitsu, N. (1992): Sanukite and high-magnesian andesite in northeast Shikoku. 29th International Geological Congress, Field Trip Guide Book, 4, 201-211.
- 201 Sechovsky, V., Havera, L., Jirman, L., Bruck, E., de Boer, F. R., Nakotte, H., Ye, W., Takabatake, T., Fujii, H., Suzuki, T. and Fujita, T. (1992): Magnetoresistance behaviour of UNiGa and UNiAl. *Physica, B*, 177, 155-158.
- 202 Seto, H., Komura, S., Schwahn, D. and Mortensen, K. (1992): Mean-field Behavior at Phase Separation in 3-component Microemulsion System. *AIP Conf. Proc.*, 256, 318-319.
- 203 設楽惣助 (1992): 汚水の中の生物. 広島大学放送教育実施委員会 (編) 広島大学公開講座「生きものとの付き合い, われわれをとりまく自然」, 広島, 95-107.
- 204 重中義信 (1992): 池や沼の生きもの-顕微鏡の世界を中心に. 広島大学放送教育実施委員会 (編) 広島大学公開講座「生きものとの付き合い, われわれをとりまく自然」, 広島, 75-94.
- 205 Shigeoka, T., Iwata, N. and Fujii, H. (1992): Giant magnetic anisotropy in PrRu₂Si₂. *J. Magn. Magn. Mat.*, 104-107, 1229-1230.
- 206 Shimahara, H. (1992): Fragility of the antiferromagnetic long-range-order and spin correlation in the two-dimensional t-J Model. *J. Phys. Soc. Jpn.*, 61(3), 989-997.
- 207 Shimahara, H. (1992): Antiferromagnetic long-range-order and spin waves in the spin-fermion model on the CuO₂ lattice. *J. Phys. Soc. Jpn.*, 61(10), 3708-3720.
- 208 Shimizu, N., Ohta, M., Fujiwara, C., Sagara, J., Mochizuki, N., Oda, T. and Utiyama, H. (1992): A Gene Coding for a Zinc Finger Protein is Induced During 12-O-Tetradecanoylphorbol-13-acetate-stimulated HL-60 cell Differentiation. *J. of Biochemistry*, 111, 272-277.
- 209 Shimojo, F., Okabe, T., Tachibana, F., Kobayashi, M. and Okazaki, H. (1992): Molecular dynamics studies of yttria stabilized zirconia. Structure and oxygen diffusion. *J. Phys. Soc. Jpn.*, 61, 2848-2857.
- 210 Shimojo, F. and Okazaki, H. (1992): Molecular dynamics studies of yttria stabilized zirconia. Microscopic mechanism of oxygen diffusion. *J. Phys. Soc. Jpn.*, 61, 4106-4118.
- 211 Shimojo, F. and Okazaki, H. (1992): Fcc-bcc phase transition of Te sublattice in superionic conductor Ag₂Te: a molecular dynamics study. *J. Phys. Soc. Jpn.*, 61, 4465-4473.

- 212 Shoji, K., Yamazaki, T., Nagano, T., Fukumori, Y. and Yamanaka, T. (1992): Thiobacillus novellus cytochrome c oxidase contains one heme (a) molecule and one copper atom per catalytic unit. J. Biochem., 111, 46-53
- 213 Sugiyama, K., Yonenobu, K., Date, M., Shigeoka, T. and Fujii, H. (1992): Magnetic Phase Transitions in PrCo_2Si_2 . Physica B, 177, 275-278.
- 214 Sugiyama, M., Ikegawa, S., Masuyama, E., Suzaki, T. and Shigenaka, Y. (1992): Isolation and properties of the axopodial cytoskeleton of a heliozoan *Echinospaerium akamae*. Europ. J. Protistol., 28, 214-219.
- 215 洲崎敏伸 (1992): *Astasia longa* の光反応性と微細構造. 原生動物学雑誌, 25, 39-40.
- 216 洲崎敏伸・安藤元紀 (1992): 球形オルガネラのサイズ分布を電子顕微鏡写真から推定するためのコンピュタープログラム. 広島大学総合科学部紀要IV, 18, 35-42.
- 217 Suzaki, T., Ando, M., Ishigame, K., Shigenaka, Y. and Sugiyama, M. (1992): Structure and function of the cytoskeleton in Heliozoa: 2. Direct measurement of the force of rapid axopodial contraction in *Echinospaerium*. Europ. J. Protistol., 28, 380-383.
- 218 Suzuki, T., Nohara, M., Fujisawa, S., Fujita, T., Nagasawa, M., Takabatake, T. and Fujii, H. (1992): Elastic anomalies of a valence fluctuating CeNiSn . J. Magn. Magn. Mat., 104-107, 1293-1294
- 219 Tabata, J. M., Kawahara, A. and Amano, M. (1992): Analysis of the formation of the animal-vegetal axis during *Xenopus* oogenesis using monoclonal antibodies. Development Growth & Differentiation, 34, 337-345.
- 220 田原靖昭・網分憲明・佐伯重幸・山崎昌廣・上片まゆみ・湯川幸一 (1992): 小学生女子10歳から12歳の身体組成(密度法-水中体重法)と皮下脂肪厚. 学校保健研究, 34(19), 434-443.
- 221 Takabatake, T., Iwasaki, H., Fujii, H., Ikeda, S., Nishigori, S., Aoki, Y., Suzuki, T. and Fujita, T. (1992): Structural, magnetic, transport and thermal properties of UCu_2Sn , UPt_2Sn and UAu_2Al . J. Phys. Soc. Japan, 61(3), 778-781.
- 222 Takabatake, T., Miyata, S., Fujii, H., Yokoyama, K. and Taniguchi, M. (1992): Photo-emission study of the uranium ternary compounds $\text{U}_3\text{T}_3\text{X}_4$ (T=Ni,Cu; X=Sn,Sb). Solid State Commun., 81(5), 433-436.
- 223 Takabatake, T., Nagasawa, M., Fujii, H., Kido, G., Nohara, M., Nishigori, S., Suzuki, T., Fujita, T., Helfrich, R., Ahlheim, U., Fraas, K., Geibel, C. and Steglich, F. (1992): Anisotropic suppression of the energy gap in CeNiSn by high magnetic fields. Phys. Rev. B, 45, 5740-5743.
- 224 Takabatake, T., Nagasawa, M., Fujii, H., Kudo, G., Kugiyama, K., Senda, K., Kindo, K. and Date, M. (1992): Field-induced transition from a pseudogap state to a heavy-Fermion state in the Kondo-lattice system CeNiSn . Physica B, 177, 177-180.
- 225 Takabatake, T., Nagasawa, M., Fujii, H., Nohara, M., Suzuki, T., Fujita, T., Kido, G. and Hiraoka, T. (1992): Magneto-resistance and Hall effect in the Kondo-lattice system CeNiSn with an anisotropy energy gap. J. Magn. Magn. Mat., 108, 155-156.
- 226 高橋史樹(1992): はじめに-生態系の構造と生きものの生活. 広島大学放送教育実施委員会(編) 広島大学公開講座「生きものとの付き合い, われわれをとりまく自然」, 広島, 1-9.
- 227 Takahashi, F. (1992): The tadpole shrimps (*Triops* spp.) for biological control agents of paddy weeds in Japan. Biological Control and Integrated Management of Paddy and Aquatic Weeds in Asia (Proc. Intern. Symp. Biological Cont. Integr. Managm. Paddy & Aquatic Weeds in Asia. Oct., 1992), 259-272.

- 228 高橋史樹・日鷹一雅 (1992): 田畑の生物群集—ただの虫とのつきあい. 広島大学放送教育実施委員会 (編) 広島大学公開講座「生きものとの付き合い, われわれをとりまく自然」, 広島, 53-65.
- 229 高橋史樹・中越信和 (1992): 道路の緑地保全—表土と生物群集. 広島大学放送教育実施委員会 (編) 広島大学公開講座「生きものとの付き合い, われわれをとりまく自然」, 広島, 129-140.
- 230 Takahashi, H., Kikuchi, K. and Nakayama, K. (1992): Effect of chronic hypoxia on muscle fiber type in adult male rats. *The Annals of physiological Anthropology*, 11, 625-630.
- 231 Takanashi, S., Udagawa, M. and Ohbayashi, K. (1992): Model calculation of the anisotropic shielding effect and infrared anomaly of high-Tc superconducting oxides. "The physics and chemistry of oxide superconductors" eds. by Iye, Y and Yasuoka, H, Springer Proc. in Physics (Springer-Verlag Berlin Heidelberg), 221-224.
- 232 武森重樹 (1992): 17- α -ヒドロキシラーゼ/リアーゼ (新生化学実験講座9. ホルモン. 非ペプチドホルモン) ,127-132.
- 233 Takenouchi, K. and Tang, Z. (1992): Hall effect-induced flow in the two-dimensional channel with nonuniform magnetic field. *Memoirs of the Faculty of Integrated Arts and Science, Hiroshima University, Ser.IV*, 17, 35-50.
- 234 田村剛三郎 (1992): セレンの液体・気体臨界点近傍における半導体—金属転移と鎖構造の変化. 文部省科学研究費 (一般研究B) 研究報告.
- 235 Tamura, K. and Hosokawa, S. (1992): X-ray diffraction measurements for expanded fluid mercury up to the supercritical region. *J. Non-Cryst. Solids*, 150, 29-34.
- 236 田村剛三郎・細川伸也 (1992): 金属—非金属転移をおこす低密度流体水銀の構造. *高圧力の科学と技術*, 1, 297-304.
- 237 Tamura, K., Hosokawa, S. Inui, M., Yao, M. Endo, H. and Hoshino, H. (1992): EXAFS measurements for liquid As_2Se_3 at high temperatures and pressures. *J. Non-Cryst. Solids*, 150, 351-355.
- 238 Tamura, T., Kitawaki, J., Yamamoto, T., Osawa, Y., Kominami, S., Takemori, S. and Okada, H. (1992): Immunohistochemical localization of 17 α -hydroxylase/C17-20 lyase and aromatase cytochrome P-450 in the human ovary during the menstrual cycle. *J. Endocrin.*, 135, 589-595.
- 239 田中共子, 藤原武弘 (1992): 在日留学生の対人行動上の困難—異文化適応を促進するためのソーシャル・スキルの検討—. *社会心理学研究*, 7(2), 92-101.
- 240 富樫一巳 (1992): 森林における昆虫の役割. 広島大学放送教育実施委員会 (編) 広島大学公開講座「生きものとの付き合い, われわれをとりまく自然」, 広島, 41-51.
- 241 Togashi, K., Nakamura, K. and Takahashi, F. (1992): An index of susceptibility of pine stands to pine wilt disease. *Appl. Entomol. Zool.*, 27, 341-347.
- 242 Tomoyasu, T., Yamanaka, K., Murata, K., Suzaki, T., Bouloc, P., Kato, A., Niki, H., Hiraga, S. and Ogura, T. (1992): Topology and subcellular localization of FtsH protein in *Escherichia coli*. *J. Bacteriol.*, 175, 1352-1357.
- 243 Torii, M., Yamasaki, M., Sasaki, T. and Nakayama, T. (1992): Fall in skin temperature of exercising man. *Br. J. Sp. Med.*, 26, 29-32.
- 244 Touyama, Y. and Nakagoshi, N. (1992): A note on ants visiting bracken at the post-fire stand. *Mem. Fac. Integrated Arts and Sci. Hiroshima Univ.*, IV, 18, 11-18.

- 245 頭山昌郁・中越信和 (1992): 山火跡地へのクロマツとエニシダの混植が植生及び地表棲息性節足動物相の回復に及ぼす影響. 日本緑化工学会誌, 17, 137-150.
- 246 頭山昌郁・中越信和 (1992): 森林攪乱の生態学的考察. 生物科学, 44, 113-127.
- 247 Toyoshima, Y., Kitamura, K., Sasaki, J., Maeda, A., Araga, C. and Akabori, K. (1992): Characterization of primary quinone environment in PSII by means of reconstitution and FTIR spectroscopy. "Research in Photosynthesis, volume II", ed. by Murata, N., Kluwer Academic Publishers (Dordrecht, Boston, London), 127-130.
- 248 Tsuru, H., Yoshinaga-Hirabayashi, T., Ishimura, Osawa, T., Kominami, S., Takemori, S. and Fujita, H. (1992): Immunohistochemical studies on the localization of aromatase and 17 α -hydroxylase/C17-20 lyase(17 α -lyase) in estrous cycling and pregnant hamster ovaries. Arch. Histol. Cytol., 55, 13-20.
- 249 Tsutsui, K. (1992): Inhibitory role of sex steroid in the regulation of ovarian follicle-stimulating hormone receptors during pregnancy. J. Exp. Zool., 264, 167-176.
- 250 Tsutsui, K. (1992): Testicular follicle-stimulating hormone receptors in mammals-ontogeny, development, maintenance and their mechanisms. Exp. Clin. Endocrinol., 11, 9-20. (Review)
- 251 筒井和義 (1992): 妊娠中の男性ホルモン、胎児の成長を抑制. 日本経済新聞, 9月29日.
- 252 Tsutsui, K., Kawashima, S., Saxena, R. N. and Ishii, S. (1992): Annual changes in the binding of follicle-stimulating hormone to gonads and plasma gonadotropin concentrations in Indian weaver birds inhabiting the subtropical zone. Gen. Comp. Endocrinol., 88, 444-453.
- 253 Tsutsui, K., Kawashima, S., Saxena, V. L. and Saxena, A. K. (1992): Binding properties and photoperiodic influence of follicle-stimulating hormone receptors in the subtropical wild quail. Zool. Sci., 9, 649-657.
- 254 Udagawa, M., Nagaoka, Y., Ogita, N., Ohbayashi, K. and Johkou, T. (1992): Phonon Raman scattering study of Nd_{2-x}Ce_xCuO₄. Solid State Commun., 83, 887-889.
- 255 Uwatoko, Y., Oomi, G., Takabatake, T. and Fujii, H. (1992): Effect of pressure on the thermal expansion in the CeNiSn. J. Magn. Magn. Mat., 104-107, 643-644.
- 256 Wada, M., Kikuchi, K. and Katsuta, S. (1992): Changes in myosin heavy-chain and light chain isoforms following sustained exercise. "Integration of Medical and Sports Sciences" eds. by Sato, Y., Poortmans, J., Hashimoto, I. and Oshida, Y., Karger (Basel), 309-317.
- 257 渡部和彦・塩川満久・菊地邦雄・小村 堯 他 (1992): 屈筋力・伸筋力の比からみたスポーツの種目特性—剣道、サッカーについて— 広島スポーツ医・科学研究, 2, 5-9.
- 258 渡辺一雄 (1992): 完全無蛋白初代培養によるニワトリ胚間充織細胞の増殖調節因子群の解析, 一般研究 (C), 03833023.
- 259 Watanabe, K., Yagi, K., Ohya, Y. and Kimata, K. (1992): Scleral fibroblasts of the chick embryo differentiate into chondrocytes in soft-agar culture. In Vitro Cell. Dev. Biol., 28A, 603-608.
- 260 Wu, H. (1992): Algorithm and convergence of optimal strategies of a class of quantitative differential games. Acta Automatica Sinica., 18, 143-150.
- 261 Wu, H. (1992): A class of differential game problems for descriptor systems. International J. of Systems Science., 23, 1731-1744.
- 262 Wu, H. and Mizukami, K. (1992): Robust stabilization of uncertain linear dynamical systems. Proc. of the 31st Annual Conference of SICE (International Sessions), II., 921-924.
- 263 Wu, H., Zhang, S. and Mizukami, K. (1992): A new approach to constructing guaranteed cost control of

- uncertain dynamical systems. Proc. of the 1992 International Conference on Industrial Electronics, Control and Instrumentation, III., 1129-1134.
- 264 Xu, H. and Mizukami, K. (1992): On Linear-quadratic optimal regulator for continuous-time descriptor systems. Proc. of the 31st IEEE Conference on Decision and Control. 1, 987-988.
- 265 Xu, H. and Mizukami, K. (1992): Pure feedback closed-loop Stackelberg strategies for discrete-time descriptor systems. Proc. of the 5th International Symposium on Dynamic Games and Applications. 732-743.
- 266 Xu, H. and Mizukami, K. (1992): New sufficient conditions for LFCLF strategy of descriptor system. 第9回誘導制御シンポジウム資料. 63-70.
- 267 矢作 晋・笠井達哉・川西正行 (1992): 前腕筋に与えた振動刺激が肘伸展・屈曲反復運動に与える影響. 日本バイオメカニクス学会第11回大会号, 166-170.
- 268 矢作 晋・川西正行・笠井達哉 (1992): 肘および手首の伸展、屈曲反復運動におよぼす振動刺激の影響. 広島修大論集 33, 131-141.
- 269 矢作 晋・財満義輝・調枝孝治・坂手照憲 (1992): スポーツの問題状況に適した心理的指導に関する調査. 広島スポーツ医・科学研究, 2, 29-34.
- 270 山縣敬一 (1992): モデリングとデータベース. 連載CAD/CAM/CAE/CIM スクール, プレススクール, 21(16), 6-11.
- 271 山縣敬一・原田耕一・塩谷景一 (1992): 自律系指向の推論機構を持つコンピュータコントローラに関する研究. 平成4年度科学研究費一般研究C(03650211)報告書.
- 272 Yamagata, K., Iseki, A. and Miyano, M. (1992): Roles of Computer Controllers in Manufacturing Cells for Performing Autonomous Functions, Proc. of the IMACS/SICE Int. Symposium on RMMS'92 Kobe, 273-278.
- 273 山本哲也・中根周歩・高橋史樹 (1992): 大型土壌動物が森林のリン循環に及ぼす影響についての実験的解析. 日本生態学会誌, 42, 31-43.
- 274 Yamamoto, R. and Sakurai, N. (1992): Major factors governing growth in pea epicotyl segments: the cell wall mechanical properties, the osmotic potential and solute movement in the apoplast. Proc. Jap. Acad., 68(B), 100-105.
- 275 山崎昌廣 (1992): 車椅子常用者のための衣服. 衣生活研究, 19(2), 20-23.
- 276 山崎昌廣 (1992): 生体リズム(pp.150-169), 記憶(pp.166-169), 歩行と走行(pp.285-294), 気圧(pp.388-391). 佐藤方彦 (監修) 人間工学数値数式表, 技報堂出版, 東京.
- 277 Yamasaki, M., Irizawa, M., Komura, T., Kikuchi, K., Kai, K. and Ohdoko, K. (1992): Daily energy expenditure in active and inactive persons with spinal cord injury. J. Human Ergol., 21(2), 131-139.
- 278 山下和夫・播磨 裕 (1992): 有機薄膜の光電変換と応用. 静電気学会誌, 16, 210-215
- 279 Yamazaki, T., Marumoto, T., Kominami, S., Ishimura, K., Yamamoto, A. and Takemori, S. (1992): Kinetic studies on androstenedione production in ovarian microsomes from immature rats. Biochim. Biophys. Acta, 1125, 335-340.
- 280 Yamazaki, T., Nawa, K., Kominami, S. and Takemori, S. (1992): Cytochrome P-450(17a,lyase)-mediating pathway of androgen synthesis in bovine adrenocortical cultured cells. Biochim. Biophys. Acta, 1134, 143-148.
- 281 Ye, W., Takabatake, T., Ekino, T., Tamegai, T. and Fujii, H. (1992): Effect of hydrogen absorption on the transport properties of $YBa_2Cu_3O_{6.9}$ and $Bi_2Sr_2CaCu_2O_{8+y}$. "The Physics and Chemistry of Oxide

- Superconductors" eds. by Iye, Y. and Yasuoka, H. (Springer, Berlin), 299-302.
- 282 Yokoyama, H., Kurokawa, M. and Seiwa, H. (1992): Influence of the role of a partner on anxiety due to a physically threatening situation. *Anxiety, Stress, and Coping*, 5, 269-281.
- 283 横山博司・坂田桐子・黒川正流・生和秀敏 (1992): 他者共在が不安反応に及ぼす効果 -SOCIAL ANXIETY についての実験的研究(1). *実験社会心理学研究*, 32(1), 34-44.
- 284 Yoshida, M. and Kobayashi, M. (1992): Identified neurones involved in the control of rhythmic buccal motor activity in the snail *Achatina fulica*. *J. Exp. Biol.*, 164, 117-133.
- 285 Yoshida, M. and Kobayashi, M. (1992): Cerebral and buccal neurons involved in buccal motor pattern generation in *Achatina fulica*. *Acta Biologica Hungarica*, 43, 361-367.

1991年分追加

- 281 Jefcoate, C. R., McNamara, B. C., Artemenco, I. Yamazaki, T. and Dhariwal, M. S. (1991): Processes controlling the transfer of cholesterol within adrenal mitochondria to cytochrome P450(scc). A molecular view of steroid biosynthesis and metabolism, 39.
- 282 Togashi, K. (1991): Larval diapause termination of *Monochamus alternatus* Hope (Coleoptera: Cerambycidae) under natural conditions. *Appl. Entomol. Zool.*, 26, 381-386.