

既刊研究報告 (Published Papers)

A. 量子物質科学

論文題目	著者名	誌名, 巻, 号 (年頁)	論文種別
A1 Magnetic Circular Dichroism of 3d-2p and 4d-2p X-Ray Emission in Rare Earths	Takeo Jo Arata Tanaka	Journal of the Physical Society of Japan, 67 , 4 (1998) pp. 1457-1465	原著
A2 Orbital Magnetic Moment of CoO and FeO and Isotropic Co and Fe L _{2,3} Absorption Spectroscopy	Takeo Jo Tatsuya Shishidou	Journal of the Physical Society of Japan, 67 , 7 (1998) pp. 2505-2509	原著
A3 Antiferromagnetic Structure in CoO	Tatsuya Shishidou Takeo Jo	Journal of the Physical Society of Japan, 67 , 8 (1998) pp. 2637-2640	原著
A4 Atomic Orbital Moment Sum Rule for Isotropic X-Ray Absorption Spectrum in More-Than-Half Filled Valence Shells	Takeo Jo Shin Imada	Journal of the Physical Society of Japan, 67 , 10 (1998) pp. 3617-3620	原著
A5 Intersite charge transfer effects on resonant inverse photoemission of Ni compounds	Arata Tanaka	Journal of Electron Spectroscopy and Related Phenomena, 92 , (1998) pp. 103-107	原著
A6 Mn 2p-3d resonant photoemission spectroscopy of MnY (Y=S, Se, Te)	H. Sato S. Senba H. Okuda M. Nakateke A. Furuta Y. Ueda M. Taniguchi A. Tanaka T. Jo A. Furuta	Journal of Electron Spectroscopy and Related Phenomena, 88-91 , (1998) pp. 425-428	原著

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A7 Soft X-ray emission spectroscopy of NiAs-type MnTe at the Mn 2p core threshold	T. Kotsugi H. Sato S. Senba H. Okuda Y. Ueda M. Taniguchi Y. Harada S. Shin A. Tanaka T. Jo	Journal of Electron Spectroscopy and Related Phenomena, 88-91 , (1998) pp. 293-296	原著
A8 Structure of the Fulde-Ferrell-Larkin-Ovchinnikov State in Two-Dimensional Superconductors	Hiroshi Shimahara	Journal of the Physical Society of Japan, 67 , 3 (1998) pp. 736-739	原著
A9 Phase Fluctuations and Kosterlitz-Thouless Transition in Two-Dimensional Fulde-Ferrell-Larkin-Ovchinnikov Superconductors	Hiroshi Shimahara	Journal of the Physical Society of Japan, 67 , 6 (1998) pp. 1872-1875	原著
A10 Stability of Alkali-Metal Adsorption on fcc-Metal Surfaces: Cu(001)-(2×1)-Li and Al(001)-c(2×2)-Na	I. Ohsaki T. Oguchi	JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN, 67 , (1998) pp. 978-982	原著
A11 Surface atomic forces and multilayer relaxation of W(001), W(110) and Fe/W(110)	I.G. Batirev W. Hergert P. Rennert V.S. Stepanyuk T. Oguchi A.A. Katsnelson K.H. Lee	SURFACE SCIENCE, 417 , (1998) pp. 151-158	原著
A12 磁性材料の第一原理計算	小口多美夫 宮澤弘	まてりあ, 37 , 7 (1998) pp. 560-563	総説
A13 Nonlinear Dynamics of Magnetic Buoyancy Instabilities in a Sheared Magnetic Field	Kanya Kusano Katsusi Moriyama Takahiro Miyoshi	Physics of Plasmas, 5 , 7 (1998) pp. 2582-2589	原著
A14 太陽フレアの機構を探る -磁気再結合とエネルギー遷移-	草野完也 常田佐久	日本物理学会誌, 53 , 9 (1998) pp. 656-662	総説
A15 プラズマ計算機シミュレーション入門 6.MHD シミュレーションの基礎	草野完也	プラズマ・核融合学会誌, 74 , 9 (1998) pp. 1030-1039	総説

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A16 Time decay of thermoremanent magnetization and relaxation spectra in the cluster-glass of itinerant magnetic Fe_xTiS_2	H. Negishi A. Yamasaki M. Sasaki M. Inoue H. Kadomatsu	J. Magn. Magn. Mat., 185 , 2 (1998) pp. 85-90	原著
A17 Static and dynamic transport studies of molecular conductors $(\text{DMe-DCNQI})_2\text{Cu}$	M. Sasaki S. Tanaka H. Negishi M. Inoue R. Kato	J. Phys. Soc. Jpn., 67 , 5 (1998) pp. 1693-1703	原著
A18 Large Negative Magnetoresistance of Intercalation Compound Mn_xTiS_2	M. Inoue H. Negishi H. Yamada S. Negishi M. Sasaki	Molecular Crystals and Liquid Crystals, 311 , (1998) pp. 137-142	原著
A19 Coherent phonons from the CDW state in $\eta\text{-Mo}_4\text{O}_{11}$	K. Kisoda M. Hase H. Harima S. Nakashima M. Tani K. Sakai H. Negishi M. Inoue	Phys. Rev., B 58 , 12 (1998) pp. R7484-R7487	原著
A20 Transport properties of heavy fermion compound Ce_7Ni_3	H. Kadomatsu Y. Itoh K. Umeo N. Matsumoto M. Inoue	J. Magn. Magn. Mat., 188 , (1998) pp. 213-218	原著
A21 Polarized reflectance measurements of the CDW transitions in $\eta\text{-Mo}_4\text{O}_{11}$ and $\gamma\text{-Mo}_4\text{O}_{11}$	A. W. McConnell B. P. Clayman C. C. Homes M. Inoue H. Negishi	Phys. Rev., B 58 , 20 (1998) pp. 13565-13573	原著
A22 Single crystal growth and physical properties of Kondo insulator YbB_{12}	F. Iga N. Shimizu T. Takabatake	Journal of Magnetism and Magnetic Materials, 177-181 , (1998) pp. 337-338	原著

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A23 Spectroscopic study of Kondo insulator YbB_{12} using a free electron laser	H. Ohta T. Nanba K. Lehnert S. J. Allen M. Motokawa F. Iga M. Kasaya	Journal of Magnetism and Magnetic Materials, 177-181 , (1998) pp. 341-342	原著
A24 Photoemission of CeX_2Y_2 and $Ce(Pd_{1-x}Cu_x)_3$	S. Imada M. Tsunekawa T. Iwasaki S. Suga Y. Onuki F. Iga M. Kasaya Y. Kawasaki K. Ishida Y. Kitaoka K. Asayama	Journal of Magnetism and Magnetic Materials, 177-181 , (1998) pp. 387-388	原著
A25 Optical Spectra of the Kondo Semiconductor YbB_{12}	Hidekazu Okamura Shin-ich Kimura Hidenori Shinozaki Takao Nanba Fumitoshi Iga Naoki Shimizu Toshiro Takabakake	Japanese Journal of Applied Physics, Series 11 , (1998) pp. 85-87	原著
A26 Effects of High Pressure and High-Magnetic Field on the Energy Gap in a Kondo Semiconductor YbB_{12}	Fumitoshi Iga Tristan Le Bihan Daniel Braithwaite Jacques Flouquet Monique Idiri Koichi Kindo Naoki Takamoto Isamu Oguro Naoki Shimizu Sayaka Hiura Toshiro Takabatake	Japanese Journal of Applied Physics, Series 11 , (1998) pp. 88-90	原著

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A27 High-Resolution Photoemission Study of the Kondo Insulator YbB_{12}	Tomofumi Susaki Yukiharu Takeda Masashi Arita Kazutoshi Mamiya Atsushi Fujimori Kenya Shimada Masaki Taniguchi Fumitoshi Iga Toshiro Takabatake Mitsuo Kasaya Shigemasa Suga Hisatomo Harima	Japanese Journal of Applied Physics, Series 11, (1998) pp. 94-96	原著
A28 Electron-Tunneling Studies of the Cubic Kondo Semiconductors	Toshikazu Ekino Ken-ichi Katoh Fumitoshi Iga Toshiro Takabatake Hironobu Fujii	Japanese Journal of Applied Physics, Series 11, (1998) pp. 97-99	原著
A29 Optical conductivity of the Kondo insulator YbB_{12} : Gap formation and low-energy excitations	H. Okamura S. Kimura H. Shinozaki T. Nanba F. Iga N. Shimizu T. Takabatake	Physical Review B, 58, 12 (1998) pp. R7496-7499	原著
A30 Superzone gap formation in UCu_2Sn	T. Takabatake M. Shirase K. Katoh T. Osakabe K. Sugiyama	Journal of Magnetism and Magnetic Materials, 177-181, (1998) pp. 53-54	原著
A31 Crystal growth and semiconducting properties of $Ce_3Bi_4Pt_3$	K. Katoh T. Takabatake	Journal of Alloys and Compounds, 268, (1998) pp. 22-24	原著

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A32 Photoemission study of the Kondo insulator $Ce_3Bi_4Pt_3$	K. Breuer S. Messerli D. Purdie M. Garnier M. Hengsberger G. Panaccione Y. Baer T. Takahashi S. Yoshii M. Kasaya K. Katoh T. Takabatake	Europhysics letters , 41 , (1998) pp. 565-570	原著
A33 Field induced quenching of the energy gap in single crystal CeNiSn	K. Sugiyama K. Kindo G. Nakamoto T. Takabatake H. Fujii	Journal of Physical Society of Japan , 67 , (1998) pp. 2455-2459	原著
A34 High-field magnetization and magnetoresistance of single-crystal CeRhSb	T. Yoshino T. Takabatake M. Sera M. Hiroi N. Takamoto K. Kindo	Journal of Physical Society of Japan , 67 , (1998) pp. 2610-2613	原著
A35 Crystal field excitations in the ferromagnetic Kondo lattice: YbNiSn	D.T. Adroja B.D. Rainford T. Takabatake	Physica B, 253 , (1998) pp. 269-277	原著
A36 Low-temperature specific heat and magnetic susceptibility near the pressure-induced quantum phase transition in Ce_7Ni_3	K. Umeo T. Takabatake H. Ohmoto T. Pietrus H.v. Löhneysen K. Koyama S. Hane T. Goto	Physical Review B, 57 , (1998) pp. 12095-12099	原著
A37 Pressure-Induced Quantum Phase Transition in Ce_7Ni_3	K. Umeo T. Takabatake T. Pietrus H.v. Löhneysen H. Ohmoto K. Koyama S. Hane T. Goto	Japanese Journal of Applied Physics, Series11 , (1998) pp. 154-156	原著

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A38 Magnetic-to-nonmagnetic transition in the ferromagnetic heavy fermion compound $CeRu_2Si_2$	T.C. Kobayashi T. Miyazu K. Shimizu K. Amaya Y. Kitaoka Y. Onuki M. Shirase T. Takabatake	Physical Review B, 57 , (1998) pp. 5025-5028	原著
A39 Weak ferromagnetism in two-dimensional bilayered $Sr_{3-x}Ca_xRu_2O_7$	S. Ikeda Y. Maeno T. Fujita	Physical Review B, 57 , 2 (1998) pp. 978-986	原著
A40 The Normal State Magnetoresistance of Sr_2RuO_4	N.E. Hussey A.P. Mackenzie J.R. Cooper Y. Maeno S. Nishizaki T. Fujita	Physical Review B, 57 , 9 (1998) pp. 5505-5511	原著
A41 Electronic crossover in the highly anisotropic normal state of Sr_2RuO_4 from pressure effects on electrical resistivity	K. Yoshida F. Nakamura T. Goko T. Fujita Y. Maeno Y. Mori S. NishiZaki	Physical Review B, 58 , 22 (1998) pp. 15062-15066	原著
A42 The Fermi Surface Topology of Sr_2RuO_4	A.P. Mackenzie S. Ikeda Y. Maeno T. Fujita, S.R. Julian G.G. Lonzarich	Journal of Physical Society of Japan, 67 , 2 (1998) pp. 385-388	原著
A43 Evidence for Unconventional Superconductivity of Sr_2RuO_4 from Specific-Heat Measurements	S. Nishizaki Y. Maeno S. Farnier S. Ikeda T. Fujita	Journal of Physical Society of Japan, 67 , 2 (1998) pp. 560-563	原著
A44 Physical Properties of New Compounds RMg_2Ni_9 (R=La, Ce, Pr, Nd and Gd) with a Two Dimensional Rare Earth Arrangement	H. Fukuda H. Fujii Y. Matsumoto T. Suzuki T. Fujita K. Kadir T. Sakai	Journal of Physical Society of Japan, 67 , 7 (1998) pp. 2201-2204	原著

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A45 Quadrupolar and Magnetic Diagram of UNiSn	T. Akazawa T. Suzuki H. Goshima T. Tahara T. Fujita T. Takabatake H. Fujii	Journal of the Physical Society of Japan, 67 , 9 (1998) pp. 3256-3260	原著
A46 Large Magnetostriction and Complex Phase Transition in UNiSn	T. Fujita T. Akazawa H. Goshima T. Tahara T. Suzuki T. Takabatake H. Fujii	Physica B, 246-247 , (1998) pp. 445-449	原著
A47 Ce- and Yb-based Kondo Semiconductors	T. Takabatake F. Iga T. Yoshino Y. Echizen K. Kobayashi M. Higa K. Katoh N. Shimizu Y. Bando G. Nakamoto H. Fujii K. Izawa T. Suzuki T. Fujita M. Sera M. Hiroi K. Maesawa S. Mock H.v. L hneysen A. Br ckl K. Neumaier K.Andres	Journal of Magnetism and Magnetic Materials, 177-181 , (1998) pp. 277-282	原著
A48 Anomalous Field Dependence of Specific Heat of CeNiSn below 1K	K. Izawa T. Suzuki T. Fujita T. Takabatake G. Nakamoto H. Fujii K.Maezawa	Journal of Magnetism and Magnetic Materials, 177-181 , (1998) pp. 395-396	原著

論文題目	著者名	誌名, 巻, 号 (年頁)	論文種別
A49 Acoustic de Haas van Alphen Effect of $CeRu_2$	T. Suzuki N. Okuda H. Goshima T. Fujita M. Hedo Y. Inada Y. Onuki E. Yamamoto Y. Haga	Journal of Magnetism and Magnetic Materials, 177-181 , (1998) pp. 415-416	原著
A50 Magnetism in UPt	K. Prokes J.C.P. Klaasse I.H. Hagmusa A.A. Menovsky E.H. Brck F.R. de Boer T. Fujita	Journal of Physics : Condensed Matter, 10 , (1998) pp. 10643-10654	原著
A51 Pressure effect on the Haldane system NENP	Masakazu Ito Hideto Yamashita Tatsuya Kawae Kazuyoshi Takeda	JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN, 177-181 , (1998) pp. 673-674	原著
A52 Positron Production in Tungsten Crystal by 1.2 GeV Channeling Electron	K. Yoshida K. Goto T. Isshiki I. Endo 他 1 2 名	Phys. Rev. Let. , 80 , 7 (1998) pp. 1437-1446	原著
A53 Stark and Zeeman Spectroscopies of Sm I from Metastable-State Atomic Beam Produced by Electric Discharge	T. Kuwamoto I. Endo A. Fukumi T. Horiguchi M. Inuma T. Takahashi 他 4 名	J. Phys. Soc. Jpn, 67 , 4 (1998) pp. 1213-1219	原著
A54 Observation of monochromatic and tunable hard X radiation from stratified Si single crystals	T. Takashima K. Aramitsu I. Endo T. Takahashi 他 13 名	Nucl. Instrum and Meth. in Phys. Res., B145 , (1998) pp. 25-30	原著
A55 Development of a periodically structured monocrystalline target of Si for X-ray emission	K. Nakayama M. Sekimura I. Yanase I. Endo 他 3 名	Nucl. Instrum. and Meth. in Phys. Res., B145 , (1998) pp. 236-238	原著

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A56 On the possible experiments on coherent production of relativistic positronium in a crystal	Yu.L.Pivovarov Yu.P.Kunashenko I.Endo T.Isshiki	Nucl. Instrum. and Meth. in Phys. Res., B145 , (1998) pp. 80-91	原著
A57 Investigation of Positron Generation by Relativistic Electrons in Aligned Crystals	B.N.Kalinin G.A.Naumenko A.P.Potylitsin V.A.Verzilov I.E.Vnukov K.Yoshida K.Goto I.Endo T.Takahashi 他6名	Nucl. Instrum. and Meth. in Phys. Res., B145 , (1998) pp. 209-220	原著
A58 Generation of hard transition X-rays by relativistic electrons in multilayered metal targets	M.Yu.Andreyashkin V.V.Kaplin S.R.Uglov V.N.Zabaev K.Yoshida I.Endo	Nucl. Instrum. and Meth. In Phys. Res., B145 , (1998) pp. 203-208	原著
A59 Experiments of High Energy Gain Laser Wakefield Acceleration	H.Dewa H.Ahn H.Harano M.Kando K.Kinoshita S.Kondoh H.Kotaki K.Nakajima H.Nakanishi A.Ogata H.Sakai M.Uesaka T.Ueda T.Watanabe K.Yoshii	Nucl. Instr. and Meth., A410 (1998) pp. 357-363	原著

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A60 Plasma Lens Experiment at the Final Focus Test Beam	P.Chen D.Cline W.Craddock F.J.Decker R.Iverson T.Katsouleas P.Kwok W.Leemans S.Masuda D.D.Meyerhofer K.Nakajima A.Ogata F.Raimondi A.Sessler D.Walz A.Weidemann	Nucl. Instr. and Meth., A410 , (1998) pp. 357-363	原著
A61 Femtosecond Electron Beam Generation and Measurement for Laser Synchrotron Radiation	M.Uesaka K.Kinoshita T.Watanabe T.Ueda K.Yoshii H.Harano K.Nakajima A.Ogata F.Sakai H.Kotaki M.Kando Y.Shibata K.Ishii M.Ikezawa	Nucl. Instr. and Meth. , A410 , (1998) pp. 424-430	原著
A62 Characterization of Plasma Accelerators with RF Linac Terminology	A.Ogata J.B.Rosenzweig M.Ferrario	Nucl. Instr. and Meth., A410 , (1998) pp. 549-561	原著
A63 Recent Progress and Perspectives of Laser-Plasma Acceleration	A. Ogata K. Nakajima	Laser and Particle Beams, 16 , (1998) pp. 381-396	総説
A64 Theory of tapered cooling	Hiromi Okamoto Jie Wei	Physical Review, E 58 , 3 (1998) pp. 3817-3825	原著
A65 Space charge dominated beams in synchrotrons	Shyh-Yuan Lee Hiromi Okamoto	Physical Review Letters, 80 , 23 (1998) pp. 5133-5136	原著

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A66 Necessary conditions for attaining a crystalline beam	Jie Wei Hiromi Okamoto Andrew Sessler	Physical Review Letters, 80 , 12 (1998) pp. 2606-2609	原著
A67 Phase Diagram of Fulde-Ferrell-Larkin-Ovchinnikov State in a Three-dimensional Superconductor	Matsuo Shigamasa Higashitani Seiji Nagato Yasushi Nagai Katsuhiko	J. Phys. Soc. Jpn, 67 , (1998) pp. 280-289	原著
A68 Rough Surface Effects on <i>p</i> -wave Fermi Superfluids	Nagato Yasushi Yamamoto Mikio Nagai Katsuhiko	J. Low Temp. Phys., 110 , (1998) pp. 1135-1171	原著
A69 Phonon Raman Scattering Study of K_2NiF_4 Type Oxide Superconductors	Masayuki Udagawa Hiroaki Hata Shigeaki Niomori Tsutomu Minami Norio Ogita Shigenobu Sakita Fumihiko Nakamura Toshizo Fujita Yoshiteru Maeno	J.Phys.Soc.Jpn, 67 , 7 (1998) pp. 2529-2533	原著
A70 Temperature dependence of the two-roton Raman spectrum of superfluid 4He	Kohji Ohbayashi Masayuki Udagawa Norio Ogita	Phys. Rev. B, 58 , 6 (1998) pp. 3351-3360	原著
A71 Tunneling Spectroscopy of $Bi_2Sr_2CuO_{6+y}$ under Magnetic Fields	Toshikazu Ekino Yoshie Sezaki Hironobu Fujii	Advances in Superconductivity, X , (1998) pp. 183-186	原著
A72 Tunneling spectroscopy of the Kondo semiconductor $Ce_3Bi_4Pt_3$	Toshikazu Ekino Hidenobu Umeda Ken-ichi Kato Toshiro Takabatake Hironobu Fujii	Journal of Magnetism and Magnetic Materials, 177-181 , (1998) pp. 379-380	原著
A73 New Structures of Quantized Current Plateaus in Semiconductor Turnstile Devices	Tsuyoshi Hatano Takashi Tameshige Yoshimasa Isawa	J. Phys. Soc. Japan, 67 , 11 (1998) pp. 3683-3686	原著
A74 Cell Design and Dynamics of Quantum Cellular Automata	Susumu Adachi Yoshimasa Isawa	Solid-State Electronics, 42 , 7-8 (1998) pp. 1361-1366	原著
A75 Shot Noise in Double Barrier Structures	Yoshimasa Isawa Noriaki Matsubara Takaharu Ohuti	Solid-State Electronics, 42 , 7-8 (1998) pp. 1515-1521	原著

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A76 Macroscopic quantum tunneling of Bose-Einstein condensate with attractive interaction	M. Ueda A. J. Leggett	Phys. Rev. Lett., 80 , (1998) pp. 1576-1579	原著
A77 Ueda and Leggett Reply	M. Ueda A. J. Leggett	Phys. Rev. Lett., 81 , (1998) pp. 1342	原著
A78 Interplay between the Coulomb blockade and resonant tunneling studied by the Keldysh Green's-function method	T. Tanamoto M. Ueda	Phys. Rev. B, 57 , (1998) pp. 14638-14641	原著
A79 Matter-field theory of the Casimir force	M. Koashi M. Ueda	Phys. Rev. A, 58 , (1998) pp. 2699-2707	原著
A80 Termination of Multifractal Behavior for Critical Disordered Dirac Fermions	Jean-Sebastian Caux Nobuhiko Taniguchi Alexei M. Tsvelik	Phys. Rev. Lett., 80 , (1998) pp. 1276-1279	原著
A81 Disordered Dirac Fermions: Multifractality Termination and Logarithmic Conformal Field Theories	Jean-Sebastian Caux Nobuhiko Taniguchi Alexei M. Tsvelik	Nucl. Phys. B, 525 , (1998) pp. 671-696	原著
A82 Generation of Nonclassical Light by Semiconductor Light Emitters	M. Yamanishi	Tech. digest Int. topical Workshop on Contemporary Photonics Technologies, Jan. 12-14, Tokyo (Invited), (1998) pp. 91-94	原著
A83 Ultrafast Optical Nonlinearity due to Virtual Excitations of Excitons in DC-Biased AlGaAs Microcavities	M. Yamanishi M. Kuwata-Gonokami R. Shimano Y. Kadoya	Proc. SPIE Conf. on Physics and Simulation of Optoelectronic Devices VI, Jan.24-30, San Jose, CA, (Invited), (1998) pp. 622-627	原著
A84 Wide-Band Penetration of Photon-Number-Fluctuations into Quantum Regime obtained with Light-Emitting Diodes	M. Yamanishi	Tech. digest OSA Topical Meeting on Radiative Processes and Dephasing in Semiconductors, Feb. 2-4, Coeur d' Alene, Idaho (Invited), (1998) pp. 175-177	原著
A85 Squeezing of light from semiconductor light-emitting-diodes	M. Yamanishi	Tech. digest 1998 CLEO/IQEC, May 3-8, San Francisco, CA (Invited), (1998) pp. 31-32	原著
A86 Tunable polariton absorption in distributed feedback cavities at room temperature	T. Fujita Y. Sato T. Kitabayashi T. Ishihara	Physical Review B, 57 , (1998) pp. 12428-12434	原著

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A87 Issues and Perspectives for Giga to Tera Scale Integration	M. Hirose	J. Photopolymer Science and Technology, 11 , 3 (1998) pp. 373-378	原著
A88 Tunnel Current and Wearout Phenomena in Sub-5nm Gate Oxides	M. Hirose W. Mizubayashi M. Fukuda S. Miyazaki	Proc. of 8th Intern. Symp. on Silicon Material Science Technology, 1 , (1998) pp. 730-744	原著
A89 Tunneling Transport and Reliability Evaluation in Extremely Thin Gate Oxides	M. Hirose W. Mizubayashi K. Morino M. Fukuda S. Miyazaki	Fundamental Aspects of Ultrathin Dielectrics on Si-based Devices, (1998) pp. 315-324	原著
A90 Characterization of Ultrathin Gate Oxides for Advanced MOSFETs	M. Hirose W. Mizubayashi M. Fukuda S. Miyazaki	1998 International Conference on Characterization and Methodology for ULSI Technology, (1998) pp. 65-69	原著
A91 In Situ Monitoring of Silicon Surfaces During Reactive Ion Etching	N. Sakikawa Y. Shishida S. Miyazaki M. Hirose	Jpn. J. Appl. Phys., 37 , 4A (1998) pp. L409-L412	原著
A92 Luminescence Study of Thermally-Oxidized Porous Si under Subgap or Overgap Excitation	K. Shiba S. Miyazaki M. Hirose	Jpn. J. Appl. Phys., 37 , 4A (1998) pp. 1684-1688	原著
A93 Single Electron Charging to a Si Quantum Dot Floating Gate in MOS structures	A. Kohno H. Murakami M. Ikeda H. Nishiyama S. Miyazaki M. Hirose	Extended Abstracts of the 1998 Intern. Conf. on Solid State Devices and Materials, (1998) pp. 174-175	原著
A94 Quantum Confinement Effect in Self-Assembled, Nanometer Silicon Dots	S. A. Ding M. Ikeda M. Fukuda S. Miyazaki M. Hirose	Extended Abstracts of the 1998 Intern. Conf. on Solid State Devices and Materials, (1998) pp. 64-65	原著
A95 Insights into Surface Reactions during a-SiGe:H Deposition and Hydrogen Plasma Annealing as Obtained from Infrared Attenuated-Total-Reflection Spectroscopy	K. Nakagawa Y. Yoshida S. Miyazaki M. Hirose	J. Non-Cryst. Solids, 227-230 , (1998) pp. 48-52	原著

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A96 Quantum Confinement Effect in Self-Assembled, Nanometer Silicon Dots	S. A. Ding M. Ikeda M. Fukuda S. Miyazaki M. Hirose	Appl. Phys. Lett., 73 , 26 (1998) pp. 3881-3883	原著
A97 Electron Field Emission from a Silicon Subsurface Based on a Generalized Airy Function Approach	Khairurrijal S. Miyazaki M. Hirose	J. Vac. Sci & Technol. B, (1998) pp. 306-310	原著
A98 Analysis of Tunnel Current through Ultrathin Gate Oxide	M. Fukuda W. Mizubayashi A. Kohno S. Miyazaki M. Hirose	Jpn. J. Appl. Phys. , 37 , 12B (1998) pp. L1534-L1536	原著
A99 Analytical Modeling of Metal Oxide Semiconductor Inversion-Layer Capacitance	Khairurrijal S. Miyazaki S. Takagi M. Hirose	Jpn. J. Appl. Phys., 38 , 1A/B (1999) pp. L30-L32	原著
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A106 Origin of Drain-Current Oscillation on Ultra-Thin-SOI n-MOSFET	T. Takahashi M. Miura Mattausch Y. Ohmura	Proc. SISPAD, (1998) pp. 211-214	原著
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A112 Self-Organization of a Two-Dimensional Array of Gold Nanodots Encapsulated by Alkanethiol	Shujuan Huang Hiroyuki Sakaue Shoso Shingubara Takayuki Takahagi	Jpn. J. Appl. Phys., 37 , 12B (1998) pp. 7198-7201	原著
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A132 Atomic-Layer Selective Deposition of Silicon Nitride on Hydrogen-Terminated Si Surfaces	S. Yokoyama N. Ikeda K. Kajikawa Y. Nakashima	Applied Surface Science, 130-132 , (1998) pp. 352-356	原著
A133 光触媒を用いた UV/光電子法による密閉空間の超清浄化	藤井敏昭 鈴木作 坂本和彦 横山新 廣瀬全孝	エアロゾル研究, 13 , 2 (1998) pp. 110-118	原著
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B4 Structure of the <i>Chlorella</i> Zepp retrotransposon: nested Zepp clusters in the genome	Yoshiteru Noutoshi Ryota Arai Makoto Fujie Takashi Yamada	<i>Mol. Gen. Genet.</i> , 259 , (1998) pp. 256-263	原著
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B9 クロレラ染色体基本構造ユニットの解析とその再構成による人工染色体のモデル化	山田隆	生物工学会誌, 76 , (1998) pp. 205-216	総説
B10 Lipid Composition of a newly isolated polyunsaturated fatty acid-producing fungus, <i>Achlya</i> sp. ma-2801	Tunehiro Aki Yukimasa Matsumoto Tsutomu Morinaga Seiji Kawamoto Seiko Shigeta Kazuhisa Ono Osamu Suzuki	J. Ferment. Bioeng., 86 , (1998) pp. 504-507	原著
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B12 Altered antigenicity of M-177, a 177 kDa allergen from the house dust mite <i>Dermatophagoides farinae</i> , in stored extract	Akihiro Fujikawa Keiko Uchida Akifumi Yanagidani Seiji Kawamoto Tsunehiro Aki Seiko Shigeta Takeshi Wada Osamu Suzuki Toshihiko Jyo Kazuhisa Ono	Clin. Exp. Allergy, 28 , (1998) pp. 1549-1558	原著
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B20 積算温度の概念を用いた清酒もろみにおけるボーメおよびアルコール濃度の予測	山根雄一 谷本昌太 橋本寿之 土屋義信 小泉淳一 西尾尚道 永井史郎	生物工学会誌, 76 , (1998) pp. 381-388	原著
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B23 Method of <i>Corynebacterium glutamicum</i> fermentation time extension with high lysine production rate by leucine addition	Noboru Takiguchi Naoki Fukui Nobuyuki Shimizu Suteaki Shioya	J. Ferment. Biotech., 86 , (1998) pp. 180-184	原著
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B25 Regulation of bacterial phosphate taxis and polyphosphate accumulation in response to phosphate starvation stress	Hisao Ohtake Junichi Kato Akio Kuroda Hong Wu Tsukasa Ikeda	J. Biosci., 23 , (1998) pp. 491-499	原著
B26 細菌細胞の運動制御モデルと走化性シミュレーション	諸星知広 辻敏夫 大竹久夫	計測自動制御学会論文集, 34 , 11 (1998) pp. 1731-1738	原著
B27 有害重金属に耐える細菌たち	大竹久夫	クリーンテクノロジー, 1 , (1998) pp. 64-67	総説
B28 微生物分子育種と環境バイオテクノロジー	加藤純一 黒田章夫 大竹久夫	Microbes and Environments, 13 , 2 (1998) pp. 95-99	総説
B29 Cloning and physical mapping of the <i>EcoRI</i> fragments of the giant linear plasmid SCP1	Matthias Redenbach Kazuya Ikeda Masayuki Yamasaki Haruyasu Kinashi	J. Bacteriol., 180 , (1998) pp. 2796-2799	原著
B30 Physical mapping of the linear plasmid pSLA2-L and localization of the <i>eryAI</i> and <i>actI</i> homologs	Haruyasu Kinashi Shingo Fujii Akira Hatani Toru Kurokawa Hidenori Shinkawa	Biosci. Biotech. Biochem., 62 , (1998) pp. 1892-1897	原著

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B32 放線菌の線状染色体のダイナミックな構造変化と染色体の起源・進化	木梨陽康	蛋白質核酸酵素, 43 , (1998) pp. 1453-1460	総説
B33 Role of calcineurin and Mpk1 in regulating the onset of mitosis in budding yeast	Masaki Mizunuma Dai Hirata Khoji Miyahara Eiko tsuchiya Tokichi Miyakawa	<i>Nature</i> , 392 , (1998) pp. 303-306	原著
B34 Yeast gene <i>YRR1</i> , which is required for the resistance to 4-nitroquinoline-N-oxide, mediates transcriptional activation of the multidrug resistance transporter gene <i>SNQ2</i>	Zhifeng Cui Toshiyuki Shiraki Dai Hirata Tokichi Miyakawa	<i>Mol. Microbiol.</i> , 29 , (1998) pp. 1307-1315	原著
B35 Functional interaction of <i>Isr1</i> , a predicted protein kinase, with the <i>Pkc1</i> pathway in <i>Saccharomyces cerevisiae</i>	Kohji Miyahara Dai Hirata Tokichi Miyakawa	<i>Biosci. Biotechnol. Biochem.</i> , 62 , (1998) pp. 1376-1380	原著
B36 Involvement of histidine permease (<i>Hip1p</i>) in manganese transport in <i>Saccharomyces cerevisiae</i>	Ileana Cornelia Farcasanu Masaki Mizunuma Dai Hirata Tokichi Miyakawa	<i>Mol. Gen. Genet.</i> , 259 , (1998) pp. 541-548	原著
B37 A mutation in <i>NPS1/STH1</i> , an essential gene encoding a component of a novel chromatin-remodeling complex RSC, alters the chromatin structure of <i>Saccharomyces cerevisiae</i>	Eiko Tsuchiya Tomoyuki Hosotani Tokichi Miyakawa	<i>Nuc. Acids Res.</i> , 26 , (1998) pp. 3286-3292	原著
B38 The C-terminal silencing domain of <i>Rap1</i> is essential for the repression of ribosomal protein genes in response to a defect in the secretory pathway	Keiko Mizuta Jonathan R. Warner Masahiko Nishiyama	<i>Nuc. Acids. Res.</i> , 26 , (1998) pp. 1063-1069	原著
B39 Essential role of tubulin-folding cofactor D in microtubule assembly and its association with microtubules in fission yeast	Dai Hirata Hirohisa Masuda Mark Eddison Takashi Toda	<i>EMBO J.</i> , 17 , (1998) pp. 658-666	原著

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B42 アクチン、チューブリンと細胞周期チェックポイント	平田 大 登田 隆	細胞工学, 17 , (1998) pp. 1897-1905	総説
B43 酵母の多剤耐性有機アニオントランスポーターの ABC	宮川都吉	バイオサイエンスとバイオインダストリー, 56 , 3 (1998) pp. 189-190	総説
B44 An extracellular meiosis-promoting factor in <i>Saccharomyces cerevisiae</i>	Michio Hayashi Kentaro Ohkuni Ichiro Yamashita	Yeast, 14 , (1998) pp. 617-622	原著
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B46 Control of division arrest and entry into meiosis by extracellular alkalisation in <i>Saccharomyces cerevisiae</i>	Kentaro Ohkuni Michio Hayashi Ichiro Yamashita	Yeast, 14 , (1998) pp. 905-913	原著
B47 Characterization of transcription of genes involved in hairy root induction on pRi1724 core-T-DNA in two <i>Ajuga reptans</i> hairy root lines	Nobukazu Tanaka Masayuki Yamakawa Ichiro Yamashita	Plant Sci., 137 , (1998) pp. 95-105	原著
B48 Agrobacterium rhizogenes-mediated transformation and regeneration of the legume <i>Astragalus sinicus</i> (Chinese milk vetch)	Hyeon-Je Cho Jack M. Widholm Nobukazu Tanaka Yasuaki Nakanishi Yoshikatu Murooka	Plant Sci., 138 , (1998) pp. 53-65	原著
B49 Efficient DNA miniprep by modified benzyl chloride method from hairy roots of <i>Ajuga reptans</i> to detect rolB gene from Ri plasmid	Nobuaki Watanabe Nobukazu Tanaka Ichiro Yamashita	Plant Biotechnol., 15 , (1998) pp. 245-247	原著

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B51 Identification of a novel casein kinase-1 homolog in fission yeast <i>Schizosaccharomyces pombe</i>	Kenji Kitamura Ichiro Yamashita	Gene, 214 , (1998) pp. 131-137	原著
B52 The Ste16 WD-protein regulates cell-cycle progression under starvation through the Rum1 protein in <i>Schizosaccharomyces pombe</i>	Hiromi Maekawa Kenji Kitamura Chikashi Shimoda	Current Genetics, 33 , (1998) pp. 29-37	原著
B53 炭酸ガスが酵母の胞子形成を促進する	山下一郎	バイオサイエンスとインダストリー, 56 , (1998) pp. 40-41	総説
B54 Sed1p is a major cell wall protein of <i>Saccharomyces cerevisiae</i> in the stationary phase and is involved in lytic enzyme resistance	Hitoshi Shimoi Hiroshi Kitagaki Hisanobu Ohmori Yuzuru Iimura Kiyoshi Ito	J. Bacteriol., 180 , (1998) pp. 3381-3387	原著
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