
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 Orbital Ordering and Jahn-Teller Distortion in YTiO_3	T. Jo	J. Phys. Soc. Jpn. 70 (2001) pp.3180-3181	原著
A2 Theory of resonant spectroscopies in nickel, cerium compounds and other systems	T. Jo A. Tanaka	J. Elect. Spect. Relat. Phenom. 117-118 (2001) pp.397-411	原著
A3 Hartree-Fock study of orbital magnetic moments in 3d and 5f magnets and X-ray magnetic circular dichroism	T. Jo	J. Synchrotron Rad. 8 (2001) pp.115-119	原著
A4 Triplet superconductivity induced by screened phonon interactions in ferromagnetic compounds	H. Shimahara M. Kohmoto	Europhys. Lett. 57 (2002) pp.247-253	原著
A5 First-principles calculation of structural stability of alkali-atom adsorbed metal surfaces	K. Oka T. Oguchi	Surface Science 493 (2001) pp.99-105	原著
A6 Electronic structure and magnetism of Cr/Sn multilayer systems	H. Momida T. Oguchi	J. Magn. Magn. Mater. 234 (2001) pp.126-132	原著
A7 Electronic band structure and structural stability of LaBiPt	T. Oguchi	Phys. Rev. B63 (2001) pp.125115-125119	原著
A8 Magnetism of chalcopyrite semiconductors: $\text{Cd}_{1-x}\text{Mn}_x\text{GeP}_2$	Yu-Jun Zhao W. T. Geng A. J. Freeman T. Oguchi	Phys. Rev. B 63 (2001) pp.201202-201205(R)	原著
A9 First-Principles Studies on Elastic Properties and Spontaneous Polarizations of PbTiO_3	K. Nishida S. Kasai K. Tanaka Y. Sakabe F. Ishii T. Oguchi	Jpn. J. Appl. Phys. 40 (2001) pp.5806-5808	原著

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A10 Relationship between Lattice Deformation and Polarization in BaTiO ₃	H. Miyazawa E. Natori T. Shimoda H. Kishimoto F. Ishii T. Oguchi	Jpn. J. Appl. Phys. 40 (2001) pp.5809-5811	原著
A11 Numerical Study of Nonlinear Forced Magnetic Reconnection	P.K.Browning J.Kawaguchi K.Kusano G.E.Vekstein	Phys. Plasmas 8 (2001) pp.132-138	原著
A12 Three-Dimensional Simulation Study of Magnetic Reconnection in the Solar Corona	K.Kusano	Earth, Planets and Space 53 (2001) pp.491-494	原著
A13 Spontaneous Variation in a Rotating Magnetosphere	T.Miyoshi K.Kusano	J. Plasma Fusion Res. Series	原著
A14 「磁性理論入門」磁性とバンド理論3. バンド計算から何が分かるか	小口多美男	日本応用磁気学会, (2001)pp.1329-1335	総説
A15 「磁性理論入門」磁性とバンド理論2. バンド計算をしてみよう	小口多美男	日本応用磁気学会, (2001)pp.1274-1281	総説
A16 「磁性理論入門」磁性とバンド理論1. 教科書に書いてないバンド理論の基礎	小口多美男	日本応用磁気学会, (2001)pp.486-495	総説
A17 Analysis of ¹¹ B-NMR in Phase II of CeB ₆	S. Tsuji M. Sera K. Kojima	J. Phys. Soc. Jpn. 70 (2001) 41-44	原著
A18 Anomalous Temperature Dependence of the Magnetic Field Induced Antiferro-Magnetic Moment in the Antiferro-Quadrupolar Ordered State of CeB ₆	M. Sera H. Ichikawa J. Akimitsu M. Nishi K. Kakurai S. Kunii	Phys. Rev. Lett. 86 (2001) pp.1578-1581	原著
A19 Anisotropic Magnetic Phase Diagram of PrB ₆ dominated by the O _{xy} Antiferro-quadrupolar Interaction	S. Kobayashi M. Sera M. Hiroi T. Nishizaki N. Kobayashi S. Kunii	J. Phys. Soc. Jpn. 70 (2001) pp.1721-1730	原著

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A20 Thermal transport properties of MgB_2	T. Muranaka J. Akimitsu M. Sera	Phys. Rev. B 64 (2001) pp.(R)020502-020504	原著
A21 Antiferromagnetic Ordering in the spin-ladder compound; $\text{Sr}_{14-x}\text{Ca}_x\text{Cu}_{24}\text{O}_{41}$	T. Nagata H. Fujino K. Satoh N. Yamamori J. Akimitsu S. Katano M. Nishi K. Kakurai M. Hiroi M.Sera N. Kobayashi K. Tenya H. Amitsuka T. Takigawa H. Inago T. Sakakibara	J. Phys. Soc. Jpn. 70 (2001) pp.2419-2424	原著
A22 Analysis of ^{11}B -NMR in the antiferromagnetic phase III of CeB_6	S. Tsuji M. Sera K. Kojima	J. Phys. Soc. Jpn. 70 (2001) pp.41-44	原著
A23 Cu-NQR study for static spin-charge stripe order in $\text{La}_{2-x-y}\text{Sr}_x\text{Y}_y\text{CuO}_4$ with $x=1/8$	M. Matsumura K. Inouchi H. Yamagata M. Sera	Physica C 357-360 (2001) pp.89-92	原著
A24 Multiwalled carbon nanotubes grown in hydrogen atmosphere: An x-ray diffraction study	Y. Maniwa R. Fujiwara H. Kira H. Tou E. Nishibori M. Takata M. Sakata A. Fujiwara X. Zhao S. Iijima Y. Ando	Phys. Rev. B 64 (2001) pp.073105/1-073105/4	原著
A25 Magnetic properties of the layered superconductor $\text{Li}_{0.48}(\text{THF})_{0.3}\text{HfNCl}$ with $T_c \sim 26$ K	H. Tou Y. Maniwa T. Koiwasaki S. Yamanaka	J. Magn. Magn. Mater. 226 (2001) pp.330-332	原著

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A26 NMR studies on antiferromagnetism in alkali-electro-sodalite	H. Tou Y. Maniwa K. Mizoguchi L. Damjanovic V.I. Srdanov	J. Magn. Magn. Mater. 226-230 (2001) pp.1098-1100	原著
A27 Magnetic properties of K-absorbing zeolite LTA	H. Kira H. Tou Y. Maniwa Y. Murakami	J. Magn. Magn. Mater. 226-230 (2001) pp.1095-1097	原著
A28 Unconventional Superconductivity in Electron-doped Layered $\text{Li}_{0.48}(\text{THF})_y\text{HfNCl}$	H. Tou Y. Maniwa T. Koiwasaki S. Yamanaka	Phys. Rev. Lett. 86 (2001) pp.5775-5778	原著
A29 Electronic states of superconducting fullerenes with small lattice constants : a NMR study	K. Kitazume H. Tou Y. Maniwa M. Kosaka K. Tanigaki	Synthetic Metals 121 (2001) pp.1115-1116	原著
A30 NMR of Li-doped C_{60} polymers	Y. Maniwa H. Ikejiri H. Tou M. Yasukawa S. Yamanaka	Synthetic Metals 121 (2001) pp.1105-1106	原著
A31 Evidence for Quasi-Two-Dimensional Superconductivity in Electron-Doped $\text{Li}_{0.48}(\text{THF})_y\text{HfNCl}$	H. Tou Y. Maniwa T. Koiwasaki S. Yamanaka	Phys. Rev. B63 (2001) pp.020508-020611®	原著
A32 Magnetic Circular Dichroism in the Soft X-Ray Absorption Spectra of Intercalation Compounds Fe_xTiS_2	A. Yamasaki S. Imada H. Utsunomiya T. Muro Y. Saitoh H. Negishi M. Sasaki M. Inoue S. Suga	Physica E 10 (2001) pp.387-390	原著

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A33 Anomalous Quantum Hall Effect in Charge-Density-Wave Material η - Mo_4O_{11}	M. Sasaki N. Miyajima H. Negishi K. Suga Y. Narumi K. Kindo	Physica B 298 (2001) pp.520-524	原著
A34 A New Type of Quantized Hall Effect in Layered Semiconductors $\text{Bi}_{2-x}\text{Sn}_x\text{Te}_3$ and $\text{Sb}_{2-x}\text{Sn}_x\text{Te}_3$	M. Sasaki N. Miyajima H. Negishi M. Inoue V.A. Kulbachinskii K. Suga Y. Narumi K. Kindo	Physica B 298 (2001) pp.510-514	原著
A35 Possible Mechanism of a New Type of Three-Dimensional Quantized Hall Effect in Layered Semiconductors $\text{Bi}_{2-x}\text{Sn}_x\text{Te}_3$	N. Miyajima M. Sasaki H. Negishi M. Inoue V.A. Kulbachinskii Y. Kaminskii K. Suga	J. Low Temp. Phys. 123 (2001) pp.219-237	原著
A36 Small polaron effect on carrier recombination in perovskite manganite thin films	G. R. Wu M. Sasaki T. Isa H. Negishi M. Inoue W. X. Gao G. C. Xiong	Solid State Commun. 118 (2001) pp.419-424	原著
A37 First studies in the 45T hybrid magnet at the NHMFL-Tallahassee: the high-field phases of organic and Kondo systems	J.S.Brooks L.Balicas M.Tokumoto T.Terashima Y.Echizen T.Takabatake	Physica B 294-295 (2001) pp.408-412	原著
A38 Magnetoresistance and magnetic susceptibility in CeNiSn	T. Terashima C.Terakura H. Aoki Y. Echizen T. Takabatake	Physica B 294-295 (2001) pp.245-248	原著

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A39 Thermal-transport properties of CeNiSn	P.Paschen B.Wand G. Sparn F. Steglich Y. Echizen T. Takabatake	J. Magn. Magn. Mater. 226-230 (2001) pp.137-138	原著
A40 Neutron scattering study of heavy fermion antiferromagnet Ce ₇ Ni ₃ under pressure	K. Motoya T. Kawasaki H. Kadowaki T. Osakabe H. Okumura K. Kakurai K. Umeo T. Takabatake	J. Magn. Magn. Mater. 226-230 (2001) pp.137-138	原著
A41 Thermoelectric and transport properties of CeBiPt and LaBiPt	M.H. Jung T. Yoshino S. Kawasaki T. Pietrus Y. Bando T. Suemitsu M. Sera T. Takabatake	J. Appl. Phys. 89 (2001) pp.7621-7633	原著
A42 Evidence for low-dimensional magnetic behaviour in CePt ₅ Ge ₃	Z. Hossain T. Takabatake C.Geibel P. Gegenwart I. Oguro F. Steglich	J. Phys.Cond. Matter 13 (2001) pp.4535-4542	原著
A43 Kondo semiconductors as a novel thermoelectric-cooling material	T. Takabatake T. Suemitsu T. Sasakawa Y. Bando T. Takagi Y. Echizen T. Yoshino K. Umeo F.Iga M. Sera Ch. Paul St. Berger E. Bauer	Proc. 20th Int. Conf. on Thermoelectrics (2001) 266	原著

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A44 Transport and magnetic properties of a low-density carrier system SmBiPt	M-S. Kim T.Sasakawa T.Suemisu Y.Bando K.Umeo F.Iga H.Mitamura T.Goto T. Takabatake	J. Phys. Soc. Jpn. 70 (2001) pp.3650-3653	原著
A45 Scaling and phase diagram in the vicinity of the first-order metal-insulator transition in $Y_{1-x}Ca_xTiO_3$	T. Naka T. Matsumoto A.Matsushita F.Iga Y. Nishihara	Physica B 304 (2001) pp.27-37	原著
A46 Thermoelectric Properties of the Kondo Semiconductor: $Yb_{1-x}Lu_xB_{12}$	F.Iga T. Suemitsu S. Hiura K. Takagi K. Umeo M. Sera T. Takabatake	J. Magn. and Magn. Mater. 226-230 (2001) pp.85-86	原著
A47 Temperature-dependent metal-insulator transition in d- and f-electron systems studied by high-resolution photoemission spectroscopy	K. Shimada Y. Takeda M. Arita H. Sato A.Kimura H. Namatame M. Taniguchi M. Tsubota K. Katoh F.Iga T. Takabatake	J. Electron Spectroscopy and related Phenomena 114-116 (2001) pp.711-716	原著
A48 Photoemission study of substitution effects on the conduction-band states in the Kondo insulator YbB_{12}	T.Susaki A.Fujimori Y.Takeda M.Taniguchi M.Arita K.Shimada H.Namatame S.Hiura F.Iga T.Takabatake	J. Phys. Soc. Jpn. 70 (2001) pp.756-761	原著

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A49 Pressure-induced magnetic instability in $\text{Ce}_2\text{Rh}_3\text{Ge}_5$	K. Umeo T. Takabatake T. Suzuki S. Hane H. Mitamura T. Goto	Phys. Rev. B64 (2001) pp.144412-144419	原著
A50 Electrical resistivity and thermoelectric power study of the heavy-fermion compounds $(\text{Ce}_x\text{La}_{1-x})_7\text{Ni}_3$	Y. Itoh K. Umeo H. Kadomatsu	J. Alloys and Compounds 315 (2001) pp.11-15	原著
A51 Muon-spin-rotation study of Ce_7Ni_3 : muon-related and intrinsic properties of the paramagnetic phase	A. Schenck C. Andreica F.N. Gygax K. Umeo T. Takabatake E. Schreier G.M. Kalvius	J. Magn. Magn. Mater. 13 (2001) pp.4227-4290	原著
A52 $\text{Dy}_{117}\text{Co}_{57}\text{Sn}_{112}$, a new structure type of ternary intermetallic stannides with a giant unit cell	P. Salamakha O. Sologub G. Bocelli S. Otani T. Takabatake	J. Alloys and Compounds 314 (2001) pp.177-180	
A53 Analysis of the local structure by single-crystal neutrons scattering in $\text{La}_{1.85}\text{Sr}_{0.15}\text{CuO}_4$	M. Braden M. Meven W. Reichart L. Pinschovius M.T. Fernandez-Diaz G. Heger F. Nakamura T. Fujita	Phys. Rev. B63 (2001) pp.140510®	原著
A54 Superconductor-Insulator Transition in Under-Doped Cuprates	T. Fujita J. Hori S. Iwata Y. Yoshino H. Kurisaki T. Goko K. Yamane F. Nakamura	Physica C364-365 (2001) pp.274-277	原著
A55 Crystal electric field effect on elasticity of $\text{Nd}_{1.85}\text{Ce}_{0.15}\text{CuO}_4$	O. Ivanov T. Suzuki N. Kikugawa K. Yamane M. Ito A. Tamaki T. Fujita	J. Magn. Magn. Mater. 226-230 (2001) pp.976-977	原著

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A56 Magnetism in RECo ₂ Compounds under High Pressure	O. Syshchenko T. Fujita V. Sechovsk M. Divis H. Fujii	J. Magn. Magn. Mater. 226-230 (2001) pp. 1062-1067	原著
A57 Magnetic and transport properties of quasi-binary compounds Ce(Fe _{1-x} Co _x) ₂ and (Ce _{1-y} Sc _y)Fe ₂	H. Fukuda H. Kawamura H. Fujii Y. Hasegawa T. Ekino N. Kikugawa T. Suzuki T. Fujita	Phys. Rev. B63 (2001) pp.054405-1-054405-9	原著
A58 Elastic Anomaly of UCu ₂ Sn in the magnetic field	T. Suzuki I. Ishii N. Okuda K. Katoh T. Takabatake A. Tamaki T. Fujita	J. Magn. Magn. Mater. 226-230 (2001) pp.983-984	原著
A59 Experimental comparison of parametric X-ray radiation and diffracted bremsstrahlung in a pyrolytic graphite crystal	O. V. Chevonov C.N. Kalinin G. A. Naumenko C.V. Padalko A. P. Potylitsyn I.E. Vnukov I. Endo M. Inoue	Nucl. Instrum. and Meth. B173 (2001) pp.18-26	原著
A60 Parametric X-radiation and diffracted transition radiation at REFER electron ring	K. Chouffani M. Andreyashkin I. Endo J. Masuda T. Takahashi Y. Takashima	Nucl. Instrum. and Meth. B173 Yu. (2001) pp.241-252	原著

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A61 Experiment of positron generation using a crystal target at the KEK electron/positron linac	M. Inoue S. Takenaka K. Yoshida I.Endo M. Iinuma T. Takahashi A.V. Bogdanov A.M. Kolchuzkin A.P. Potylitsin I.E. Vnukov H. Okuno S. Anami A.Enomoto K. Furukawa T.Kamitani Y. Ogawa S. Ohsawa,	Nucl. Instrum. and Meth. B173 (2001) pp.104-111	原著
A62 Planar and axial coherent bremsstrahlung of type A from a 17 MeV electron beam in a diamond crystal	K. Chouffani I.Endo H. Uberall	Phys. Rev. B64 (2001) pp.014304-1-8	原著
A63 The Multi-Configuration Dirac-Fock Calculation of the Low-Lying Levels of Sm	Angom Dilip I.Endo A.Fukumi M. Iinuma T. Kondo T. Takahashi	European Physical Journal D14 (2001) pp.271-277	原著
A64 Experimental and Theoretical Features of Hard-Collimated Type-B Coherent High Energy Pair Production	I.Endo Y. Okazaki Yu. P. Kunashenko Yu. L. Pivovarov	Nucl. Instrum. and Meth. B179 (2001) pp.141-350	原著
A65 Simulation of Laser-Compton Cooling of Electron Beams for Future Linear Colliders	T.Ohgaki I.Endo	Phys. Rev. Special Topics - Accelerators and Beams 4 (2001) pp.111001	原著
A66 $\Gamma\Gamma$ Collider	T. Takahashi	Nuclear Instruments and Methods in Physics Research A472 (2001) pp.4-11	原著

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A67 Gold-plated processes at photon colliders	E.Boos A.DeRoeck I.F.Ginzburg K.Hagiwara R.D.Heuer F.Jikia J.Kwiecinski D.J.Miller T.Takahashi V.I. Telnov T.Rizzo I.Watanabe P.M.Zerwas	Nuclear Instruments and Methods in Physics Research A472 (2001) pp.100-120	原著
A68 Observation Of Plasma Focusing of a 28.5GeV Positron Beam	J.S.T.Ng A. Ogata et al.	Phys.Rev.Lett. 87 (2001) pp.244801-1-4	原著
A69 Field Analysis of Two-Dimensional Dynamics of Nonneutral Plasma with Imaging Diagnostics and Examination of Sector-Probing	K. Ito Y. Kiwamoto A. Sanpei	Jpn. J. Appl. Phys. 40 (2001) 2558-2565	原著
A70 Generation of Vorticity Hole Surrounding a Point Vortex	A. Sanpei Y. Kiwamoto K. Ito	J. Phys. Soc. Jpn. 70 (2001) 2813-2816	原著
A71 Collision Drag Effect on Sound Propagation in liquid He in Aerogel	T. Ichikawa M. Yamamoto S. Higashitani K. Nagai	J. Phys. Soc. Jpn. 70 (2001) pp.3483-3486	原著
A72 Anisotropic properties of the excitation spectrum of Sr ₂ RuO ₄ crystals (T _c =1.4K) in the normal state investigated by Raman scattering.	S.Sakita S.Nimori A.Q.Mao Y.Maeno N.Ogita M.Udagawa	Phys. Rev. B63 (2001) pp.134520-1-5	原著
A73 Sign reversal of the oxygen isotope effect on T _c in Sr ₂ RuO ₄ .	Z.Q. Mao Y. Maeno Y. Mori S. Sakita S. Nimori M. Udagawa	Phys. Rev. B63 (2001) pp.144514-1-5	原著
A74 Tunneling spectroscopy of the normal-state gap in (Bi,Pb) ₂ Sr ₂ Ca ₂ Cu ₃ O _{10+δ}	T. Ekino S. Hashimoto T. Takasaki H. Hujii	Phys. Rev. B64 (2001) pp.092510-1-092510-4	原著

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A75 Probing the normal-state gap in the high- T_c superconductivity by break-junction tunneling	T. Ekino S. Hashimoto H. Fujii	J. Phys. Chem. of Solids 62 (2001) pp.149-152	原著
A76 Tunneling spectroscopy of the energy gap in semiconducting $\text{La}_{1.98}\text{Sr}_{0.02}\text{CuO}_4$	T. Ekino S. Hashimoto H. Fujii J. Hori E. Nakamura T. Fujita	Physica C 357 (2001) pp.158-161	原著
A77 Tunneling spectroscopy of various underdoped $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+\delta}$	T. Ekino S. Hashimoto H. Fujii	Physica C 357 (2001) pp.130-133	原著
A78 Tunneling spectroscopy of RTe_2 (R=La, Ce) and possible coexistence between Charge-Density Waves and Magnetic orders	M. H. Jung T. Ekino Y. S. Kwon T. Takabatake	Phys. Rev. B63 (2001) pp.035101-1-035101-5	原著
A79 Theory of tunneling processes in quantum structures	Y. Isawa H. Horii	Jpn. J. Appl. Phys., 40 , 3B (2001) pp. 1958-1962	原著
A80 Spatial dependence of thermal noise in diffusive regime	Y. Isawa N. Matsubara	Proc. of 25th Int. Conf. Phys. Semiconductors, edited by N. Miura and T. Ando (Springer, New York, 2001) pp. 1357-1358	原著
A81 Influence of a driven magnetic domain wall on resistivity in a thin ferromagnetic wire	Y. Takane Y. Isawa	J. Phys. Soc. Jpn., 70 , 1 (2001) pp. 25-28	原著
A82 Fluctuation paraconductivity in superconducting multilead structures above the transition temperature	Y. Takane	J. Phys. Soc. Jpn., 70 , 2 (2001) pp. 498-504	原著
A83 Pairing correlation effect on the resonant tunneling conductance through an ultrasmall superconducting grain	S. Nishiura Y. Takane	Physica C, 352 , (2001) pp. 195-198	原著
A84 Pairing correlation effect on the zero-bias tunneling spectra of ultrasmall superconducting grains	S. Nishiura Y. Takane	J. Phys. Soc. Jpn., 70 , 9 (2001) pp. 2497-2500	原著

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A85 Phase slip in mesoscopic charge-density-wave systems	Y. Takane K. Wakabayashi	J. Phys. Soc. Jpn., 70 , 7, (2001) pp. 1869-1872	原著
A86 Electronic Transport Properties of Nano-Graphite Ribbon Junctions	K. Wakabayashi	Phys. Rev. B, 64 , (2001) pp.125428(1)-125428(15)	原著
A87 Electronic transport properties due to edge states in nanographite ribbons	K. Wakabayashi M. Sigrist	Proc. of 25th Int. Conf. Phys. Semiconductors, edited by N. Miura and T. Ando (Springer, New York, 2001) pp.1643-1644	原著
A88 Single-channel electronic transport properties of nano-graphite ribbons	K. Wakabayashi M. Sigrist	Synth. Metal., 121 , (2001) pp. 1231-1232	原著
A89 Generation of Heralded Twin-Photons in a Series-Coupled Mesoscopic Light-Emitting Diode System	H. Sumitomo M. Yamanishi Y. Kadoya	Japanese J. Appl. Phys. Express Letter, 40 , Pt.2 No.2A (2001) pp. L85-L88	原著
A90 Anisotropic Magnetic Domain Structure of Layered Manganite La _{1.4} Sr _{1.6} Mn ₂ O ₇	T. Fukumura T. Hasegawa H. Sugawara K. Tanaka H. Sakaki T. Kimura Y. Tokura	Applied Physics Letters, 78 , (2001) pp. 2023-2025	原著
A91 Generation of Broadband Sub-poissonian Lights in Light-emitting Diodes	K. Tanaka Y. Kadoya H. Yuji R. Masuyama M. Yamanishi	CLEO/QELS 2001 (2001) pp. 192-193	原著
A92 Generation of Broadband(\sim 1GHz) Sub-poissonian Lights in Light-emitting Diodes at Low Photon-flux Levels	K. Tanaka Y. Kadoya R. Masuyama H. Yuji M. Yamanishi	CLEO/Pacific Rim (2001) pp. II422-433	原著
A93 Photoconductive Properties of Nanometer-Sized Si Dot Multilayers	Y. Hirano F. Sato N. Saito M. Abe S. Miyazaki M. Hirose	Appl. Phys. Lett., 79 , 14 (2001) pp. 2255-2257	原著

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A94 Memory Operation of Silicon Quantum-Dot Floating Gate Metal-Oxide-Semiconductor Field-Effect Transistors	A. Kohno H. Murakami M. Ikeda S. Miyazaki M. Hirose	Jpn. J. Appl. Phys., 40 , 7B (2001) pp. L721-L723	原著
A95 Growth and Characterization of Microcrystalline Silicon-Germanium Films	S. Miyazaki H. Takahashi H. Yamashita M. Narasaki M. Hirose	J. Non-Cryst. Solid, 299-302 , (2001) pp. 148-152	原著
A96 Electronic Structures of High-k Gate Dielectrics	S. Miyazaki	Bulletin of the Stefan Univ., 13 , 13 (2001) pp. 44-47	原著
A97 Characterization of Ultrathin Zirconium Oxide Films on Silicon Using Photoelectron Spectroscopy	S. Miyazaki M. Narasaki M. Ogasawara M. Hirose	Microelec. Eng., 59 , (2001) pp. 373-378	原著
A98 Photoemission Study of Energy Band Alignments and Gap State Density Distributions for High-k Gate Dielectrics	S. Miyazaki	J. Vac. Sci. Technol., B19 , 6 (2001) pp. 2212-2216	原著
A99 Nucleation Site Control in Self-Assembling of Si Quantum Dots on Ultrathin SiO ₂ /c-Si	S. Miyazaki M. Ikeda E. Yoshida N. Shimizu M. Hirose	Springer Proc. in Phys. 87: Proc. of 25th Intern. Conf. on the Physics of Semiconductor, 19 , 6 (2001) pp. 373-374	原著
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A165 Influence of Organic Contaminant on Breakdown Characteristics of MOS Capacitors with Thin SiO ₂	T. Yoshino S. Yokoyama T. Suzuki T. Fujii	Jpn. J. Appl. Phys., 40 , 4B (2001) pp. 2849-2853	原著

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B. 分子生命機能科学

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B5 クロレラを溶かすウイルスの酵素	山田隆 杉本一路 平松紳吾	化学と生物, 39 , (2001) pp. 520-526	総説
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B21 Chemotaxis of the nematode <i>Caenorhabditis elegans</i> toward cycloheximide and quinine hydrochloride	T. Tajima N. Watanabe Y. Kogawa N. Takiguchi J. Kato T. Ikeda A.Kuroda H. Ohtake	Journal of Bioscience and Bioengineering, 91 , (2001) pp. 322-324	原著
B22 Asensitive method for detecting AMP by utilizing polyphosphate-dependent ATP regeneration and bioluminescence reactions	S. Tanaka A.Kuroda J. Kato T. Ikeda N. Takiguchi H. Ohtake	Biochemical Engineering Journal, 9 , (2001) pp. 193-197	原著
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B25 バーチャル大腸菌の基本設計	大竹久夫 滝口昇	シミュレーション, 20 , (2001) pp. 133-138	総説
B26 生命体ソフトウェア	大竹久夫	Computer Today, No. 104, (2001) pp. 16-22	総説
B27 余剰汚泥からのリン資源回収技術の開発	大竹久夫 黒田章夫 糠信輝領謹	ケミカル・エンジニアリング, 46 , (2001) pp. 711-715	総説
B28 下水汚泥からのリン回収と再資源化	大竹久夫 黒田章夫 木下勉 糠信輝領謹	バイオサイエンスとインダストリー, 59 , (2001) pp. 330-333	総説
B29 Integrated structures of the linear plasmid SCP1 in two bidirectional donor strains of <i>Streptomyces coelicolor</i> A3(2)	M. Yamasaki R. Redenbach H. Kinashi	Molecular and General Genetics, 264 , (2001) pp. 634-642	原著
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B35 Borrelidin inhibits a cyclin-dependent kinase (CDK), Cdc28/Cln2, of <i>Saccharomyces cerevisiae</i>	E. Tsuchida M. Yukawa T. Miyakawa K. Kimura H. Takahashi	Journal of Antibiotics, 54 , (2001) pp. 90-94	原著
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B37 Mikimopine synthase (<i>mis</i>) gene on pRi1724	K. Suzuki N. Tanaka H. Kamada I. Yamashita	Gene, 263 , (2001) pp. 49-58	原著
B38 The complete nucleotide sequence of a plant root-inducing (Ri) plasmid indicates its chimeric structure and evolutionary relationship between tumor-inducing (Ti) and symbiotic (Sym) plasmids in Rhizobiaceae	K. Moriguchi Y. Maeda M. Satou N. S. N. Hardayani M. Kataoka N. Tanaka K. Yoshida	Journal of Molecular Biology, 307 , (2001) pp. 771-784	原著
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B44 酸性ウレアーゼによる尿素分解速度の欧州産と米国産ワインにおける比較及びワイン成分との関係	児玉成一 伊藤清	日本醸造協会誌, 96 , (2001) pp. 121-128	原著

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既登録・出願特許 (Patents)

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半導体装置の製造方法	特願 2001-168789 号	横山新 中島安理 多田吉秀 中村源志 今井正幸 米川司	2001.8.8	出願
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無電解めっきの方法	特願 2001-51604 号	新宮原正三 前田栄治 古屋明彦 王増林 安田敬一郎 池田秀雄 萩原宗明	2001.2.27	出願
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