

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 YTi_3	T Jo	J Phys Soc Jpn 70 11; 1999-11	---
A2 Theory of e_g resonant states in nickel dimer compounds and other systems	T Jo Tana a	J Ele t Lett Relat Phenom 117-118 11; 1999-4	---
A3 Hatree-Fock study of e_g orbital magnetic moments in d and f_d magnets and X-ray magnetic dichroism	T Jo	Jpn J Appl Phys 38 11; 1999-5-9	---
A4 Titanium second moment induced screened phonon interactions in e_g ferromagnetic compounds	H Himahara M Kohmoto	Europhys Lett 57 11; 1999-4-5	---
A5 First-principles calculation of structural stability of e_g alloyed metal selenides	K Arai T g hi	J Phys Soc Jpn 68 11; 1999-15	---
A6 Electronic structure and magnetism of $\text{Ca}_2\text{Mn}_2\text{Si}_2\text{O}_{10}$	H Momida T g hi	J Magn Magn Mater 234 11; 2000-6	---
A7 Electronic structure and structural stability of LaBi_2	T g hi	J Phys Soc Jpn 69 11; 2000-5-5-9	---
A8 Magnetism of halogenite semiconductors: $\text{Cd}_{1-x}\text{Mn}_x\text{Te}_2$	Y-J n hao T eng J Freeman T g hi	J Phys Soc Jpn 69 11; 2000-1-1-15 R	---
A9 First-principles studies on Elastic properties and spontaneous polarizations of Ti_3	K ishida Kasai K Tana a Y a a e F shii T g hi	Jpn J Appl Phys 40 11; 2000-5-6-5	---

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A10 Relationship between Lattice Deformation and Polarization in BaTi ₃	H Mizawa E Atou T Himoda H Kishimoto F Shii T Gohi	Jpn J Appl Phys 40 Pt. 2 59-5	総説
A11 Metal-Insulator Transition in d _{xy} Orbital of Layered Magnets	K Bowring J Kawaguchi K Kano E Vestein	J Phys Chem Lett 8 11-12	総説
A12 Three-Dimensional Simulation of d _{xy} Orbital Magnetism in the Layered Compound	K Kano	Earth Planets and Space 53 49-494	総説
A13 Spontaneous Variation in a Rotating Magnetosphere	T Mochi K Kano	J Plasma Fusion Res 1 1-1	総説
A14 何が分るか 何が入るか	小口多美男	日本応用物理学会誌 9 9-5	総説
A15 何が分るか 何が入るか 2	小口多美男	日本応用物理学会誌 4 4-	総説
A16 何が分るか 何が入るか 書	小口多美男	日本応用物理学会誌 4 4_6-495	総説
A17 Analysis of ¹¹ B- MR in d _{xy} Orbital of CeB ₆	Tsujii M. Iwata K. Kojima	J Phys Soc Jpn 70 Pt. 4 4-44	総説
A18 Normal Temperature Dependence of the Magnetization Induced by the d _{xy} -Orbital Moment in the d _{xy} -Q _{2g} Antiferromagnetic Compound CeB ₆	M. Iwata H. Hatake J. Shimizu M. Ishi K. Kawai K. Nii	J Phys Rev Lett 86 5-5	総説
A19 Isotropy of Magnetization in d _{xy} -Orbital Dominated Antiferromagnetic Compound CeB ₆	K. Aoyama M. Iwata M. Hori T. Ishizaki K. Aoyama K. Nii	J Phys Soc Jpn 70 Pt. 1 1-1	総説

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A20 The magnetic properties of MgB_2	T. Manabe J.imitsu M.era	Phys. Rev. B 64 R15141-1514	レ
A21 Antiferromagnetic ordering in the spin-ladder compound $\text{Ca}_{1-x}\text{Y}_x\text{C}_{24}$	T. Tagata H. Fujino K. Atoh Yamamoto J.imitsu Katano M. Ishi K. Kawai M. Hiroi M.era Kobayashi K. Teraoka H.imitsu T. Tagawa H. naga T. Arita	J. Phys. Soc. Jpn. 70 49-44	レ
A22 Analysis of ^{11}B -NMR in the antiferromagnetic phase of CeB_6	Tsujii M.era K. Kojima	J. Phys. Soc. Jpn. 70 4-44	レ
A23 C-QR spectra of $\text{La}_{2-x}\text{Y}_x\text{C}_{14}$ with $x=0.1$	M. Matsuda K. Nozaki H. Yamagata M.era	Phys. Rev. B 64 C357-360 9-9	レ
A24 Multivalency in nanotubes grown in hydrogen atmosphere: a density functional study	Y. Maniwa R. Fujiwara H. Kikuchi H. To E. Ishio M. Tani M. Arita Fujiwara X. Hao Iijima Y. Iwano	Phys. Rev. B 64 154101-154104	レ
A25 Magnetic properties of the layered structure of $\text{Li}_{0.48}\text{THF}_{0.3}\text{Cl}$ with $T_c \sim 6\text{K}$	H. To Y. Maniwa T. Koiwasaki Yamamoto	J. Magn. Magn. Mater. 226 1-4	レ

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A33 anomalous Quantum Hall E_{11} effect in Charge-Density-Wave Material Mo_4SiI_2	Masaaki Mitsumori Hiroshi Koga Yasumi Kazuhiko	Physica B 298 11; 51-54	—
A34 New Temperature Quantized Hall E_{11} effect in Layered semiconductors $\text{Bi}_{2-x}\text{Sb}_x\text{Te}_3$ and $\text{Bi}_{2-x}\text{Sb}_x\text{Te}_3$	Masaaki Mitsumori Hiroshi Munehito Viktor Klavinski Koga Yasumi Kazuhiko	Physica B 298 11; 51-54	—
A35 Possible Mechanism of a New Temperature Three-Dimensional Quantized Hall E_{11} effect in Layered semiconductors $\text{Bi}_{2-x}\text{Sb}_x\text{Te}_3$	Mitsumori Masaaki Hiroshi Munehito Viktor Klavinski Yuri Kaminski Koga	J. Low Temp. Phys. 123 11; 9-	—
A36 Hall coefficient anisotropy in epitaxial manganese thin films	Ryota Masaaki		—

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A39 The magnetoelectric properties of CeIn	Y. Kasahara B. Yan A. N. Yankovsky F. Teglihan Y. E. Hizen T. Taniyama	J. Magn. Magn. Mater. 226-230 11: 1-6	論文
A40 The temperature dependence of the heavy fermion antiferromagnet Ce_7In_3 under pressure	K. Motoyoshi T. Kawasumi H. Kadowaki T. Saito H. Yamamoto K. Kanai K. Imoto T. Taniyama	J. Magn. Magn. Mater. 226-230 11: 1-6	論文
A41 The magnetic and magnetoelectric properties of CeBi and LaBi	M. H. Jung T. Yoshino T. Kawasumi T. Ito Y. Bando T. Shimizu M. Iwata T. Taniyama	J. Phys. Chem. 89 6: 6-6	論文
A42 Evidence for low-dimensional magnetic behavior in CeTe_3	H. Hossain T. Taniyama C. Eitel S. Geetha F. Teglihan	J. Phys. Cond. Matter. 13 45: 45-454	論文
A43 Kondo semiconductors as a novel magnetoelectric material	T. Taniyama T. Shimizu T. Asakawa Y. Bando T. Taniyama Y. E. Hizen T. Yoshino K. Imoto F. Gao M. Iwata Ch. A. L. Beyer E. Bauer	Journal of Applied Physics The magnetoelectric effect 11: 66	論文

論文題目	著者名	誌名, 巻, 号 (年頁)	論文種別
A44 Transport and magnetic properties of a low-density electron system in Bi ₂	M- Kim T. Asawa T. Emis Y. Bando K. Ito F. Iga H. Mitama T. Otonari T. Takahashi	J. Phys. Soc. Jpn. 70 , 11: 651-65 (2003)	論文
A45 Band structure and phase diagram in the vicinity of the metal-insulator transition in Y _{1-x} Ca _x Ti ₃	T. Asawa T. Matsuzaki M. Matsushita F. Iga Y. Ishihara	J. Phys. Soc. Jpn. B304 , 11: 11-12 (2003)	論文
A46 The magnetic properties of the Kondo compound Y _{1-x} Lu _x B ₁₂	F. Iga T. Emis Hi. Ito K. Takagi K. Ito M. Ito T. Takahashi	J. Phys. Soc. Jpn. 70 , 11: 651-65 (2003)	論文

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A49 Ce_2Rh_3 e_5 essential induced magnetic instability in	Kumeo T. Tanihata T. Ziki Hane H. Mitama T. Moto	Phys. Rev. B 64 1996-444-444-9	論文
A50 Electrical resistivity and the molecular weight dependence of the heavy fermion compounds $\text{Ce}_x\text{La}_{1-x}\text{Co}_2$	Y. Toh K. Kumeo H. Kadomats	J. J. Appl. Phys. 315 1996-5-5	論文
A51 Monoclinic structure of Ce_7Co_3 : monoclinic and interstitial sites of the antiferromagnetic phase	Shen C. N. Dai F. Gao K. Kumeo T. Tanihata E. Heide M. Kalvins	J. Magn. Magn. Mater. 13 1996-4-49	論文
A52 $\text{D}_{117}\text{Co}_{57}\text{Ni}_{112}$ a new structure of the intermetallic stannides with a giant nitell	Y. Yamahata Boelli T. Tanihata	J. J. Appl. Phys. 314 1996-5-5	論文
A53 Analysis of the local structure of single-crystal neutron scattering in $\text{La}_{1.85}\text{Co}_{0.15}\text{C}_{14}$	M. B. Aden M. Meven W. Reihardt L. Inschikov M. T. Feandez-Diaz F. Amara T. Fujita	Phys. Rev. B 63 1996-4-5-5	論文
A54 Phonon dispersion relations in Ce_2Co_7 - Doed Coates	T. Fujita J. Hori Y. Yoshino H. Kishida T. Oo K. Yamane F. Amara	Phys. Rev. B C364-365 1996-4-4	論文
A55 Crystal field splitting of the e_g level in $\text{Ce}_{1.85}\text{Co}_{0.15}\text{C}_{14}$	Y. Yamahata T. Ziki Ki-gawa K. Yamane M. To T. Tanihata T. Fujita	J. Magn. Magn. Mater. 226-230 1996-9-6-9	論文

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A56 Magnetism in RECo_2 compounds under High pressure	Shigenobu T F jita V e hovs M Divis H F jii	J Magn Magn Mater 11: 16-16	—
A57 Magnetic and transport properties of quasi-incommensurate $\text{CeFe}_{1-x}\text{Co}_x$ and $\text{Ce}_{1-y}\text{Fe}_y$	H F da H Kawamura H F jii Y Hasegawa T Eino Ki gawa T z i T F jita	Phys Rev 154(5)-154(5-9)	—
A58 Elastic normal ϵ_{ij} tensor in the magnetic field	T z i shii da K Katoh T Tamae Tama i T F jita	J Magn Magn Mater 11: 9-9_4	—
A59 Experimental observation of a magnetic X-ray diffraction in a polycrystalline material	V Chevonov C Kalinin a men o C V adalo ot lits n E Vn ov Endo M no e	Instm and Meth 11: 6	—
A60 Magnetic X-ray diffraction and transition radiation at REFEL electron ring	K Chonani M Y nd e ash in Endo J Mas da T Tashashi Y Tashima	Instm and Meth 11: 4-5	—

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A61 Element η positron generation using a crystal target at the KEK electron/positron linac	M. Noe T. Tanaka K. Yoshida Endo M. Inaba T. Takahashi V. Bogdanov M. Kolchuzhin Motitsin E. Vnukov H. Nonaka Enomoto K. Furukawa T. Kamitani Y. Higashigawa	Instrument and Methods B173 11: 14-17 (2004)	論文
A62 Lattice and axial coherent emission of the η from a 10 MeV electron beam in a diamond crystal	K. Chouh Endo H. Kikuchi	Phys Rev B64 11: 1414-1417 (2001)	論文
A63 The Multi-Configuration Dirac-Fock Calculation of the Low-Lying Levels of η	ngom Dili Endo F. Minami M. Inaba T. Kondo T. Takahashi	European Physical Journal D14 11: 1-4 (2001)	論文
A64 Experimental and Theoretical Features of Hard-Collimated Transverse-Coherent High Energy radiation	Endo Y. Azaiz Y. Higashigawa K. Kashenkov Y. Litvinov	Instrument and Methods B179 11: 14-15 (2004)	論文
A65 Simulation of Laser-Compton Cooling of Electron Beams of the Linear Collider	T. Higashi Endo	Phys Rev Special Topics - Accelerators and Beams 4 11: 1414-1417 (2001)	論文
A66			

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A67 Cold- trapped photoelectrons at photon collisions	E Boos DeRoe Finzog K Hagiwara R D Heber F Jia J Kwiecinski D J Miller T Takahashi V Telnov T Rizzo Matanaev Mewes	Optical Spectrometry and Methods in High-Spin Research 472 11-12	...
A68 Resonance fluorescence of a $^3\text{He}^+$ ion in a 5 eV positronium beam	J Trog Gata et al	Phys Rev Lett 87 44-45	...
A69 Field emission of two-dimensional Dirac fermions in a laser with imaging diagnostics and emission spectroscopy	Kato Y Kiwamoto Kanai	Jpn. J. Appl. Phys. 40 (2001) 2558-2565	...
A70 Generation of a vacuum hole in a $^3\text{He}^+$ ion	Kanai Y Kiwamoto Kato	J. Phys. Soc. Jpn. 70 (2001) 2813-2816	...
A71 Collision drag effect on ion migration in liquid He in a gel	Tanihara M Yamamoto Higashitani Kagari	J. Phys. Soc. Jpn. 70 4-46	...
A72 Anisotropy of the emission spectrum of $^2\text{R}_4$ crystals at $T_c = 4\text{K}$ in the normal state investigated by Raman scattering	Matsumoto Q Mao Y Maeno Miyagawa	Phys Rev B63 45-46	...
A73 Sign reversal of the oxygen isotope effect on T_c in $^2\text{R}_4$	Q Mao Y Maeno Y Mori Matsumoto Miyagawa	Phys Rev B63 445-446	...
A74 Tunneling spectroscopy of the normal-state gap in $\text{Bi}_{1-x}\text{Ca}_x\text{C}_{3-10+\delta}$	T Eino Hashimoto T Tanihara H Hiji	Phys Rev B64 195-196	...

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論文題目	著者名	誌名, 巻, 号 (年頁)	論文種別
A75 Role of the normal-state gap in the high- T_c superconductivity of $\text{La}_{1-x}\text{Ce}_x\text{CuO}_4$	T E ino Hashimoto H H jii	J Phys Chem Solids 62 11: 149-55	論文
A76 Tunneling spectroscopy of the energy gap in semi-conducting $\text{La}_{1.98}\text{Ce}_{0.02}\text{CuO}_4$	T E ino Hashimoto H F jii J Ho i E a am a T F jita	J Phys Chem Solids 63 11: 15-6	論文
A77 Tunneling spectroscopy of various doped $\text{Bi}_2\text{-}2\text{CaC}_{2-8+\delta}$	T E ino Hashimoto H F jii	J Phys Chem Solids 63 11: 1-1	論文
A78 Tunneling spectroscopy of RTe_2 (R=La, Ce) and possible coexistence between Charge-Density Waves and Magnetism	M H J ng T E ino Y Kwon T Ta a ata e	J Phys Chem Solids 63 11: 15-1-5-1-5	論文
A79 Theoretical tunneling processes in quantum states	Y sawa H Ho ii	J Phys Chem Solids 40 B 11: 1-95-96	論文
A80 Partially doped $\text{La}_{1-x}\text{Ce}_x\text{CuO}_4$ the normal noise in diffusive regime	Y sawa Mats u a a	J Phys Chem Solids 5th Int Conf Phys Semiconductors edited Mi a and T ndo (Singapore: New York) 11: 1-5-5	論文
A81 Role of the d_{xy} orbital in the magnetism of $\text{La}_{1-x}\text{Ce}_x\text{CuO}_4$	Y Ta ane Y sawa	J Phys Chem Solids 70 11: 1-5-	論文
A82 Fluctuation of the normal conductivity in superconducting multiband systems above the transition temperature	Y Ta ane	J Phys Chem Solids 70 11: 1-49-54	論文
A83 Role of the correlation effect on the resonant tunneling conductance through an f -small superconducting grain	Y Ta ane ishi a	J Phys Chem Solids 63 11: 1-95-9-	論文
A84 Role of the correlation effect on the zero-current tunneling spectroscopy of f -small superconducting grains	Y Ta ane ishi a	J Phys Chem Solids 70 9 11: 1-49-54	論文

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A85 Inverse mesoscopic charge-density-wave systems	Y. Tanabe K. Wataashi	J. Phys. Soc. Jpn. 70 , 1117 (1981) 1981-69-1117	論文
A86 Electron Transport Properties of an n-type GaAs	K. Wataashi	J. Phys. Rev. B 64 , 1154 (1981) 1981-54-1154	論文
A87 Electron transport properties due to edge states in a GaAs quantum well	K. Wataashi M. Higashi	J. Phys. Soc. Jpn. 50 , 1117 (1981) 1981-50-1117	論文
A88 Single-channel electron transport properties of a GaAs quantum well	K. Wataashi M. Higashi	J. Phys. Soc. Jpn. 50 , 1117 (1981) 1981-50-1117	論文
A89 Generation of Healed Twin Photons in a GaAs Light-Emitting Diode	H. Mitomo M. Yamanishi Y. Kadoya	J. Phys. Soc. Jpn. 40 , L5 (1971) 1971-L5-L5	論文
A90 Anisotropic Magnetic Domain Structure in Layered Manganite $\text{La}_{1-x}\text{Mn}_x\text{O}_3$	T. Fujimura T. Hasegawa H. Hasegawa K. Tanaka H. Arai T. Kimura Y. Teraoka	J. Phys. Soc. Jpn. 78 , 1117 (1981) 1981-78-1117	論文
A91 Generation of Broad and Resonant Lights in Light-emitting Diodes	K. Tanaka Y. Kadoya H. Yaji R. Masama M. Yamanishi	J. Phys. Soc. Jpn. 79 , 1117 (1981) 1981-79-1117	論文
A92 Generation of Broad and Resonant Lights in Light-emitting Diodes at Low Photon Levels	K. Tanaka Y. Kadoya R. Masama H. Yaji M. Yamanishi	J. Phys. Soc. Jpn. 79 , 1117 (1981) 1981-79-1117	論文
A93 Photovoltaic Properties of a GaAs	Y. Hiroyoshi F. Aito M. Yamanishi M. Azaie M. Hirose	J. Phys. Soc. Jpn. 79 , 1117 (1981) 1981-79-1117	論文

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A94 Memory retention ϵ_1 film on Quantum-Dot Floating Gate Metal-oxide-semiconductor Field-Effect Transistors	Kohno H Maami M Meda Mi aza i M Hi ose	Jpn J Appl Phys. 40 B 11; L 1-5	論文
A95 Growth and Characterization ϵ_1 Microcrystalline Silicon-germanium Films	Mi aza i H Tachashi H Yamashita M aasa i M Hi ose	Jpn J Appl Phys. 299-302 4-5	論文
A96 Electrostatic Properties of High- ϵ_1 Dielectrics	Mi aza i	Bulletin of the Teikyo Univ. 13 44-4	論文
A97 Characterization of Lithium-ion-oxide Films on Silicon-heterostructure devices	Mi aza i M aasa i M gasawa a M Hi ose	Microele Eng. 59 11; 1-5	論文
A98 Photoemission Spectroscopy Energy Band Alignments and Absolute Density Distributions of High- ϵ_1 Dielectrics	Mi aza i	J Vac Sci Technol. B19 6 6-6	論文
A99 Leakage Control in ϵ_1 -semiconducting ϵ_2 Quantum Dots on Lithium-ion-oxide	Mi aza i M Meda E Yoshida himiz M Hi ose	Engineering in Hiroshima ϵ_1 5th International Conference on the Physics of Semiconductors 19 6 1-4	論文
A100 Photoemission Spectroscopy Energy Band Alignment and Absolute Density Distribution of High- ϵ_1 Dielectrics	Mi aza i M Hi ose	Journal of Applied Physics 550 11; 9-96	論文
A101 Silicon and Fluorine Ion			

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A104 Cha a te ization ϵ_1 De osition o oses ϵ_2 ili on- e mani n Films . sing n- it ϵ_1 a ed tten ated-Total-Rel e tion and ϵ_1 a e- ensitive Raman atte ing e t os o	Mi aza i	st ϵ_1 Frontie s ϵ_1 ϵ_1 a e Enginee ing 11- F E 11; Co ϵ_1 e n e and E hi tion 11; D-1-	-
A105 E e imental Eviden e ϵ_1 Ca i e De letion E ϵ_1 e t nea n ol - i ate ide ϵ_1 all/ i ϵ_2 nte- ϵ_1 a es- ϵ_1 o -11 nm nM FETs	H M a ami T Mi ha a H Yamashita Mi aza i M Hi ose	o ϵ_1 11- sia- a ϵ_1 i o sho on F ndamental and li ation ϵ_1 dvan ed emi ond to Devi es 11; 6-6	-
A106 Memo e ation and Ele t on Cha ging Cha a te isti s ϵ_1 ili on Q ant m-Dot Floating ate M FETs	Kohno M eda H M a ami Mi aza i M Hi ose	o ϵ_1 11- sia- a ϵ_1 i o sho on F ndamental and li ation ϵ_1 dvan ed emi ond to Devi es 11; -15--19	-
A107 hotoemission t d ϵ_1 lt a hallow J n tions Fo med on i-11 seni on m lantation	Mi aza i M hio a M Hi ose M Tanig h H amatame Kim a H ato	E t st ϵ_1 11- nte n Co ϵ_1 on Ra id The mal o essing- ϵ_1 o F t e emi ond to Devi es 11; -	-
A108 Cha ge nje tion Cha a te isti s ϵ_1 a i Q ant m Dot Floating ate in M t t es	M eda E Yoshida Kohno Mi aza i M Hi ose	E t st ϵ_1 11- nte n Co ϵ_1 on olid tate Devi es and Mate ials 11; 1-19	-
A109 nal sis ϵ_1 ide Voltage and Field De enden e ϵ_1 Time-De endent Diele ti ϵ_1 t Bea down in Lt athin ate ides	ϵ_1 Miz a shi Y Yoshida Mi aza i M Hi ose	E t st ϵ_1 11- nte n Co ϵ_1 on olid tate Devi es and Mate ials 11; 1--	-
A110 Cont ol ϵ_1 The ositioning ϵ_1 ϵ_1 - ssem ling i Q ant m Dots on Lt athin i ϵ_2 / - i . sing anning o e	M eda R Ta ao a gio a Mi aza i M Hi ose	Dig ϵ_1 a es ϵ_1 11- nte n Mi o o esses and anote hnolog Co ϵ_1 11; --	-
A111 tatisti al nal sis ϵ_1 ϵ_1 t Bea down in Lt athin ate ides	ϵ_1 Miz a shi Y Yoshida Mi aza i M Hi ose	Te h Dig ϵ_1 11- m on VL Te hnol 11; 95-96	-

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A112 Chemical and Electronic Properties of Ultrathin High-Dielectric and Dielectric/Insulating Structures	Mi aza i	Proc. 6th China-Japan Meeting on Thin Films, 11: 69-	—
A113 Investigation of the Chemical and Electronic Properties of the $i_2/i_1/i_2$ Structure	H Yamashita Miz aashi H M aami Mi aza i	Extended Abstracts of the 11th International Conference on Solid State Ionics, 4-5	—
A114 Evidence of an additional noise source in the conventional $i_2/i_1/i_2$ structure in the metal-oxide-semiconductor field-effect transistors	H eno T Kitama Mats moto T aga i M Mi a-Matta s h H e T Hamasa i	Applied Physics Letters, 78: 11: 1-2	—
A115 Correlation method for the design and technology of improved design reliability	D Mi awa i Mats moto H J Matta s h oshi o M eta e M Mi a-Matta s h K mashi o T Yamag hi K Yamashita a a ama	Proceedings of the 11th International Conference on Design Automation Conference, 11: 9-44	—
A116 Test-driven design of integrated and analog-design reliability	Mats moto H J Matta s h oshi o Y Tats mi M Mi a-Matta s h K mashi o T Yamag hi K Yamashita a a ama	Proceedings of the 11th International Conference on Design Automation Conference, 11: 5-6	—
A117 Evidence of mesoscopic fluctuations in $i_2/i_1/i_2$ FETs with ultrathin active layer	H eno M Tana a K Mo i awa T Ta ahashi M Mi a-Matta s h Y m a	Proceedings of the 11th International Conference on Design Automation Conference, 11: 4	—

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A118 Enhanced quantum electron transport in molecular junctions and its relevance to the open-circuit condition	K. Mouri H. Iino D. Kitama M. Tanaka T. Nagai M. Miya-Matsumoto H. J. Matsumoto K. Mashio T. Yamaguchi K. Yamashita Takayama	Journal of Applied Physics Devices and Materials 11: 4-5	—
A119 High-frequency noise in the drain current of a quantum dot FET model: its origin and simulation	H. J. Matsumoto M. Miya-Matsumoto H. Iino K. Mashio T. Yamaguchi K. Yamashita Takayama	Journal of Applied Physics Integrated Circuit Technology 11: 6-66	—
A120 Analytical modeling of the electron transport channel in a quantum dot FET: its origin and simulation	M. Miya-Matsumoto H. Iino M. Tanaka H. J. Matsumoto K. Mashio Takayama	IEEE Transactions on Electron Devices 11: 449-45	—
A121 Vth model of electron transport in quantum dot FETs: its origin and simulation	D. Kitama H. Iino K. Mouri M. Tanaka M. Miya-Matsumoto H. J. Matsumoto K. Mashio T. Yamaguchi K. Yamashita Takayama	Journal of Applied Physics Comprehensive Reviews in Physics Devices 11: 9-95	—
A122 Impurities and approximate forms of the electron charge and correlation energy function in the open-circuit condition: theoretical study	K. Higuchi F. Ueda H. Kodama M. Higuchi	Journal of Applied Physics Open Access Journal Devices 11: -6	—

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A123 "Electron-phonon interaction in the metal-oxide-semiconductor structure"	K Higashi M Higashi	Proceedings of the International Symposium on New Developments in Optoelectronics and Related Electronics in the Multi-Environment 11: 65-66	-
A124 Electron-phonon interaction in Be ₁₃	T Maehira K Higashi Higashi M Higashi Hasegawa	Proceedings of the International Symposium on New Developments in Optoelectronics and Related Electronics in the Multi-Environment 11: 6-6	-
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A126 Modeling of FET modeling gets physical	M Miura-Mattas H J Mattas D. O. A. C. Y. Yang	IEEE Circuit & Devices 17 11: 9-6	-
A127 Dielectric Constant Determination of a Dielectric Material Using a Molecular Orbital Method	K Yamada H. A. A. Higashi T. Tahagi	Jpn J Appl Phys Lett. 40 11: 4-9-4-6	-
A128 Well-Ordered Colloidal Nanoparticles Dispersed in Organic Solvents	Tsutsi H. A. A. Higashi T. Tahagi	Jpn J Appl Phys Lett. 40 11: 46-49	-
A129 Dielectric Constant of a Diamond Film Composed of Diamond Nanoparticles	H. A. A. F. J. W. A. Higashi T. Tahagi	Jpn J Appl Phys Lett. 78 11: 19-22	-
A130 Low Dielectric Constant of a Diamond Film Composed of Diamond Nanoparticles	H. A. A. Yoshimasa Higashi T. Tahagi	Mater Res Soc. L. XV 11: 64-65	-

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A132 Recent Development of C-Filling Technology in Japan	Hingawa	Proceedings of the 1st International Conference on Carbon Nanotubes and Fullerene, DCMC (1999) 61-65	論文
A133 Investigation of interconnection temperature of Joule heating and its effect on electromigration reliability	Miyazaki Hasegawa Hingawa T. Takahagi	Extended abstracts of the International Conference on Solid State Devices and Materials (1999) 41-44	論文
A134 Fabrication of nanohole array using self-organized porous alumina mask	Hingawa Iino Hasegawa T. Takahagi	J Vac Sci Technol B19 (1999) 911-914	論文
A135 Formation of Large Single-Crystalline Langmuir-Blodgett Monolayers of 1,6-Hexanethiol-End-Capped Gold Nanoparticles	Huang Tsutsi Hasegawa Hingawa T. Takahagi	J Vac Sci Technol B19 (1999) 511-514	論文
A136 "Formation of Minimum-Size Gold Nanoparticles by Electrodeposition and Electrodeposition"	Y. Maami Hingawa Hasegawa T. Takahagi	Abstracts of the International Conference on Microprocesses and Nanotechnology (1999) 66-66	論文
A137 Effect of Catalytic Action on C-Filling Characteristics in Electroless Plating	Hingawa Tada Hawa Hasegawa T. Takahagi	Mater Res Soc 45 (1999) 9-14	論文
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A140 Bio-Insired VLs Based on Analog/Digital Mixed Technologies	wata T. Mochie M. Agata	Extended Abstracts of the International Conference on Solid State Devices and Materials (DM), 2011; 2011-9	論文
A141 CMOS-MCM Cell Labeling Network Circuit and Resistive-Fuse Network Fabrication	T. Mochie M. Miyaie M. Agata wata	Extended Abstracts of the International Conference on Solid State Devices and Materials (DM), 2011; 2011-9	論文
A142 CMOS Analog Memory Programming Circuit for Floating-Gate Memory FETs with 5-ns Programming Time and	Kinoshita T. Mochie M. Agata wata	IEEE Journal of Solid-State Circuits, 46(6), 2011; 2011-6-9	論文
A143 Effects of Low-Pressure Plasma on Components of State-Of-The-Art 5-ns 1.5X 5-MoXnts. T4LmDigF4Xlm XMm 5XF4FFFX Simulation	美, ma F5Xd, e64MX/L F, eF, 気em, e F4FXv/ F4FXv	K4C, 2011; 2011-6-9	論文

論文題目	著者名	誌名, 巻, 号 (年頁)	論文種別
A148 Efficient Clustering Algorithm using to hasti sso iation Model and its m lementation using anost t es	T Mo ie T Mats a M agata wata	ee al Information o essing stems 11; st ats e a e s. 11; 56	-
A149 CM to hasti sso iative o esso sing M Chaoti ignals	T Yamana a T Mo ie M agata wata	ECE Tans Ele t onis E84-C 11; 9	-
A150 online s illato etwo o a -level mage egmentation and M/ M Ci its o its VL	H T Mo ie M agata wata	ECE Tans F ndamentals E84- 11; 9- 6	-
A151 mat mage o the Vision o essing Front-end	Ta eda M Homma M agata T Mo ie wata	o sia and o th a i Design tomation Co e en e -D C 11; -9- 1	-
A152 n it a Chaos ene ato Co e Ci it sing M/ M ignals	K M a oshi T Mo ie M agata wata	o sia and o th a i Design tomation Co e en e -D C 11; - 4	-
A153 state Cosstal nal sis in Mi ed ignal CM ntegrated Ci its Em edded T to iql	M agata wata	o sia and o th a i Design tomation Co e en e -D C 11; 6 -6 9	-
A154 et Bea down Fee tomi -La e -De osited ili on it ide/ i ₂ ta ate Diele t is	a ajima Q D M Khos T Yoshimoto T Kide a Yo o ama	Te h Digest nt Ele t on Devi es Meeting 11; - 6	-
A155 lt athin H ₃ nnealed tomi La e De osited i- it ide/ i ₂ ta ate Diele t is with High Relia ilit	Q D M Khos a ajima T Yoshimoto Yo o ama	nt emi on Devi e Resea h m osi m 11; 6- 9	-
A156 et Bea down essed lt a-Thin tomi -La e -De osited ili on it ide/ i ₂ ta ate Diele t is o dvan ed Dom lementa Metal- ide- emi ond to Tehnolog	Q D M Khos a ajima T Yoshimoto Yo o ama	l h s Lett. 79 11; 4- 49	-

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A157 Characterization of ϵ_1 tomis-La e-De osited silicon nitride/ ϵ_2 tantalate Dielectric Highly Reliable Metal-oxide-semiconductor Field-Effect Transistors	a ajima T Yoshimoto T Kida Kata Yo o ama H nami M Hirose	J Vac Sci & Tech B 19 4 117 117-124	—
A158 Low-Temperature Formation of nitride gate Dielectrics on De osition	a ajima T Yoshimoto T Kida Yo o ama	J Vac Sci & Tech Lett 79 5 665-666	—
A159 Limiting ϵ_1 -La e-De osition of on ϵ_2 nitride ϵ_1 i_2H_6 and iC_{14}	Yo o ama K h a a ajima	J Vac Sci & Tech Lett 79 5 66-69	—
A160 Low-Temperature selective De osition of silicon on silicon nitride Time-Modulated Disilane Flow and Formation of films	Yo o ama K h a K Kawama T Kida a ajima	J Vac Sci & Tech Lett 79 4 494-496	—
A161 Condition Mechanism in Etch rate of ϵ_1 films with Width Dependence of ϵ_1 etch	K Kawama T Kida a ajima Yo o ama	Extend. Abst. Int. Conf. on Solid State Devices and Materials 117 4-49	—
A162 Fabrication Technologies of Doped ϵ_2 -Barrier Metal Transistors with oxide	T Hatano Y toh a ajima Yo o ama	Jpn J Appl Phys 40 B 1-11	—
A163 Tantalum nitride based nitride connection on ϵ_1 Chi	Yo o ama Y Ha a Kameda	Extend. Abst. Int. Conf. on Solid State Devices and Materials 117 596-59	—
A164 Effect of Light Radiation on of ϵ_1 film	T Yoshino Yo o ama T Fujii	Jpn J Appl Phys 40 4 1-4	—
A165 Removal of organic Contaminant on Bea down Characteristics of Thin film	T Yoshino Yo o ama T z i T Fujii	Jpn J Appl Phys 40 4B 49-5	—

論文題目	著者名	誌名, 巻, 号 (年頁)	論文種別
A166 Reliability and Temperature Contamination in MOS Devices	T Yoshino Yo oama T F jii K hi aha a a ajima T Ki awa H nami Q D M Khos	Extended Abstracts on Solid State Devices and Materials 11: - 6-	
A167 MOS イメージングのV/I特性に関する影響	吉野雄信 横山新 藤井敏昭 鈴木作	16 - 11: 5 -64	総説
A168 Limit Gate Oxide Thickness Scaling in MOSFETs due to a Gate Threshold Voltage Fluctuation Induced Tunnel Leakage Current	M Koh Miz uashi K wamoto H M aami T no M Ts no T Miha a K hi aha a Mi aza i M Hi ose	IEEE Transactions on Electron Devices 48 11: 59- 64	
A169 Reduction of Gate Threshold Voltage Fluctuation in MOSFETs by Antimonite Retarded Well Channel	Kawa ami K Eg sa K hi aha a	Electrostatics and Technology on Junction Technology 11: JT 11: -)	
A170 Coherent Diffraction in Low Dielectric Constant Insulating Films Caused by Image Charge on Beam	K hi aha a T da T Ki awa	Extended Abstracts on Mass Spectrometry and Related Topics 11: 11: -)	
A171 Reliability Enhancement Process on Indium Halide Film	D nimats K hi aha a	Extended Abstracts on Solid State Devices and Materials DM 11: -4- 5	

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A173 Doping Sensitivity of 1.5 μm MOSFETs	K. Hiwada	Proceedings of the Ko-En-Japan Joint Workshop on Advanced Semiconductor Technologies and Equipment, EIC, 1981, 11, 1-6	論文

B. 分子生命機能科学

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B1 Digestion of hlo ovi s-en oded ol sa ha ide deg ading enz mes	Ch hi d Hi amats gimoto M F jii T Yamada	Microbes and Environment 16 11; 9-15	—
B2 RFL analysis of ol siva identij ation e e simmons	Ma i K ama T K hashi T a ahi a T Kawa ata T Yamada	ientia Ho ti ltae 91 11; 4-4	—
B3 Reg lato me hanism of the gene e s sion d ing hlo ovi s i q e tion le	T Kawasa i M Tana a K ishida T Yamada	lei id Resea h lement 1 11; 6-6	—
B4 va ia le e gion on the hlo ovi s CVK genome ontains genes ossi l involved in the host ange dete mination	Ch hi d K ishida T Kawasa i T Yamada	lei id Resea h lement 1 11; 65-66	—
B5 レラ 溶 すウイ ^ル 酵素	山田隆 杉本一路 平松紳吾	39 11; 51-56	総説
B6 La e e e t e the a no mal att a id meta olism in C/ ga mi e on thei ato i de matitis	Kawamoto M Kita M Hamada T i higeta z i K no	Bios ien e Biote hnolog and Bio hemist 65 11; 4-44	—

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B7 Modulation of polynucleotide phosphorylase activity in genetic engineering yeast	Y Mi hina a T i K naga i H Higashimoto Y himada T a ajima T hima hi K no z i	Journal of Biochemical Microbiology 50 11: 59-65	-
B8 Modulation of alkaline phosphatase activity in filamentous fungi	T i Y agahata K shiha a Y Tana a T Mo inaga K Higashi ama K imoto F ji awa Kawamoto higeta K no z i	Journal of Biotechnology and Biochemical Engineering 78 11: 599-604	-
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B10 Critical importance of yeast growth and alcohol fermentation in Japanese brewing	J Fujita H Fukuda Y Yamane Y Kizai M Higeta K Inozono M Kazui M Aashi	Biotechnology Letters 23 11: 661-664	総説
B11 Kinetics of nitrated, attached, and adsorbed cells	J Hwang T Inoue K Hahida T Yoshi K Kawamoto M Higeta K Inozono M Kazui	Journal of Applied Microbiology 78 11: 615-619	総説
B12 Influence of light irradiation and aeration on the growth of <i>Chlorella</i>	Y Kodama M Arai K Gasawa K Inozono	Chemical & Biotechnology Letters 49 11: 666-669	総説
B13 酵素利用によるバイオエタノール生産	秋庸裕 小埜久 鈴木	工業 75 11: 66-66	総説
B14 ラビチュラ類における酵素利用によるバイオエタノール生産	秋庸裕 鈴木	海洋 23 11: 46-51	総説
B15 メタノール発酵によるバイオエタノール生産	秋庸裕 鈴木	バイオテクノロジー 46 11: 49-54	総説
B16 Efficient production of ethanol from lignocellulosic materials using a two-stage process	K Inivasan M Mami Y Ashimada M Ishio	Journal of Bioscience and Bioengineering 91 11: 515-519	総説
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B20 Isolation and characterization of the mutant defective in polyphosphate kinase in <i>Escherichia coli</i>	J. Kato B. Nagata L. Yang K. Oda T. Ueda T. Higashi H. Hatake	Bioscience, Biotechnology and Biochemistry 65 11: 456-459 (2001)	査読有り
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B23 The synthesis of optically active enantiomers of a chiral homoserine lactone antibiotics and their analogues	T. Ueda K. Kajiyama T. Kita T. Higashi K. Oda J. Kato H. Hatake	Chemistry Letters 11: 44-45 (2002)	査読有り
B24 Analysis of alginate lyases of a diatom-like filamentous cyanobacterium 5-2: two-dimensional electrophoresis	Mitsutani Yamashita H. Kitaguchi J. Kato M. Inoue Y. Shida	Phycologia 40 11: 6-9 (2001)	査読有り

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B25 チャル大腸 本	大竹久夫 滝口昇	シ ュレ ショ 20 11; - -	総説
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B27 余剰汚泥 技術 開	大竹久夫 黒田章夫 糠信輝領謹	ジニヤ グ 46 11; -5	総説
B28 下水汚泥 再	大竹久夫 黒田章夫 木下勉 糠信輝領謹	イ イ ト 59 11; -1-	総説
B29 Integrated structures of the linear plasmid C- in two idiopathic donor strains	M Yamashi R Redenbach H Kinashi	Molecular and General Genetics 264 11; 64-64	-
B30 Studies on the structure and function of giant linear plasmids from antibiotic-producing strains	H Kinashi	The Yasman Foundation of Japanese Research Report 95-999 11; -9	総説
B31 Kinase-mediated and alkaline in coordinatedly mediate Hsl ⁺ down-regulation of Ca ²⁺ in budding yeast	M Mizushima D Hiata R Mi ao T Mi aawa	EMB Journal 20 11; 4-5	-
B32 Cross-talk between transitional regulators of multidrug resistance in	Xiang Ci T Mi aawa Mo e-Rowele	Journal of Biological Chemistry 276 11; -9	-
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B35 Borrelidin inhibits a cyclin-dependent kinase CDK2/Cln2	E. Tshida M. Yawa T. Miawawa K. Kimura H. Tahashi	Journal of Microbiology 54 11: 91-94	—
B36 A protein kinase C homolog activates in mitogenic stimulation through the yeast EGF-homolog	T. Hosotani H. Koama M. Hino T. Miawawa E. Tshida	Genes to Cells 6 11: 5-11	—
B37 Mitomycin synthase gene on R14	K. Izumi T. Tanaka H. Kamada Yamashita	Gene 263 11: 49-51	—
B38 The complete nucleotide sequence of a lambda phage-inducing R14 plasmid indicates its homology to the and evolutionary relationship between the lambda-inducing phage and simian plasmids in Rhizobiales	K. Moriguchi Y. Maeda M. Ato Ha da ani M. Kataoka T. Tanaka K. Yoshida		—

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B40 Inhibition of Meibomian gland lipase activity by differentiation via retinoid treatment and retinoid treatment in mouse	K Kitama K Katama Dh t M ato Y Matana e M Yamamoto T Toda	Developmental Cell 1 11: 9-99	
B41 岐阜県産ウレゼン系遺伝子を用いた植物生産	松本省吾 橋諭美 鈴木 田中伸 福井博一	岐阜大 誌、 26 11: 49-5	
B42 Ethanol tolerance of <i>Escherichia coli</i> strains overexpressing the β -glucosidases EX-1 and EX-2 and its involvement in ethanol tolerance	K Washita H hioi K to	Journal of Bioscience and Bioengineering 91 11: 4-4	
B43 Identification of genes required for growth of ethanol stress signaling transposon mutagenesis in	T Taahashi H himoi K to	Molecular and General Genetics 265 11: 9	
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博士論文 (Doctrial Dissertations)

論文題目

既刊図書 (Published Books)

著書名 (編集者)	著者名	発行所	発行年	編・著・訳・分担 執筆等の区別
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既登録・出願特許 (Patents)

特許の名称	申請番号・登録番号	発明者(全員)	既登録・出願 年月日	状況
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特 許 の 名 称	申請番号・登録番号	発明者(全員) 既登録・出願 年月日	状況
獲 利 不 揮 メ	U p / ,	野剛史 u ,H J	
グラマ D 変換器		岩 穆 口圭 森江 永 真	
集積 位		岩 穆 佳 永 真	
情報処		森江 宅 誠 岩 穆 永 真	
画像領域抽		森江 野 鉄平 岩 穆 永 真	

既登録・出願特許 (Patents)

特 許 の 名 称	申請番号・登録番号	発明者(全員)	既登録・出願 年月日	状況
集積 け 流波形		永 真 岩 穆		
u v u k u p p				登録
画像処	許	澤 宏 森江		登録
パ 幅変調演算	許	岩 穆 永 真		登録
パ 変調演算	許	岩 穆 永 真		登録