

A. 量子物質科学 (Dept. of Quantum Matter)

論文の標題 (Titles)	著者名 (Authors)	誌名 (Magazines)	巻 (Vol.)	号 (No.)	頁 (Pages)	(年) (Year)	論文種別 (Classif.)
Complex-orbital ordering and Verwey transition in Fe3O4	H. Uzu A. Tanaka	J. Phys. Soc. Jpn.	75	4	043704(1-4)	(2006)	原著
Soft X-ray Absorption Magnetic Circular Dichroism Study of Ferromagnetic Superconductor UGe2	T. Okane J. Okamoto K. Mamiya S. Fujimori Y. Takeda Y. Saitoh Y. Muramatsu A. Fujimori Y. Haga E. Yamamoto A. Tanaka T. Honma Y. Inada Y. Onuki	J. Phys. Soc. Jpn.	75	2	024704(1-5)	(2006)	原著
Ti 3d orbital change across metal-insulator transition in Ti2O3: polarization-dependent soft x-ray absorption spectroscopy at Ti 2p edge	H. Sato A. Tanaka M. Sawada F. Iga K. Tsuji M. Tsubota M. Takemura K. Yaji M. Nagira A. Kimura T. Takabatake H. Namatame M. Taniguchi	J. Phys. Soc. Jpn.	75	5	053702(1-4)	(2006)	原著
Spin state transition in LaCoO3 studied using soft x-ray absorption spectroscopy and magnetic circular dichroism	M. W. Haverkort Z. Hu J. C. Cezar T. Burnus H. Hartmann M. Reuther C. Zobel T. Lorenz A. Tanaka N. B. Brookes H. H. Hsieh H.-J. Lin C. T. Chen L. H. Tjeng	Phys. Rev. Lett.	97		176405(1-4)	(2006)	原著
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Photoemission and x-ray absorption studies of the electronic structure of GaN-based diluted magnetic semiconductors	J. I. Hwang Y. Ishida M. Kobayashi Y. Osafune T. Mizokawa A. Fujimori Y. Takeda K. Terai S-I. Fujimori Y. Saitoh Y. Muramatsu A. Tanaka T. Kondo H. Munekata M. Hashimoto H. Tanaka S. Hasegawa H. Asahi	Physica Status Solidi b	243		1696-1700	(2006)	原著
Charge and complex orbital ordering in Fe3O4	H. Uzu A. Tanaka	Physica B	378-380		571-573	(2006)	国際会議議事録
Theory on photoemission and inverse photoemission spectra in VO2	A. Tanaka	Physica B	378-380		269-270	(2006)	国際会議議事録
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Anisotropic s-wave superconductors studied by angle-resolved photoemission spectroscopy	T. Yokoya T. Baba S. Tsuda T. Kiss A. Chinani S. Shin T. Watanabe M. Nohara T. Hanaguri H. Takagi Y. Takano H. Kito J. Itoh H. Harima T. Oguchi	J. Phys. Chem. Solids	63		277-281	(2006)	原著
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Electronic Structure of B-doped Diamond: A First-principles Study	T. Oguchi	Sci. Tech. Adv. Mater.	7		S67-S70	(2006)	原著
Soft X-ray angle-resolved photoemission spectroscopy of heavily boron-doped superconducting diamond films	T. Yokoya T. Nakamura T. Matushita T. Muro H. Okazaki M. Arita K. Shimada H. Namatame M. Taniguchi Y. Takano M. Nagao T. Takenouchi H. Kawarada T. Oguchi	Sci. Tech. Adv. Mater.	7		S12-S16	(2006)	原著

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Macroscopic Properties in Incommensurate Magnetic Ordered Phases of PrB6 in Magnetic Field around the <111> Direction	M. Sera S. Goto T. Koshikawa M-S. Kim H. Tou F. Iga	J. Phys. Soc. Jpn.	75		014706- 014713	(2006)	原著
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Magnetic phase diagram of Ce0.70Pr0.30B6	J- M. Mignot M. Sera F. Iga	Physica B	383		41-42	(2006)	原著
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Pressure effect on the long-range order in CeB6	M. Sera S. Ikeda H. Iwakubo Y. Uwatoko S. Hane M. Kosaka S. Kunii	Physica B	383		37-38	(2006)	原著
Sb NQR Studies of Ferromangetim in YbxFe4Sb12 with x ≈ 0.89	M. Kawaguchi H. Tou M. Sera K. Kojima T. Ikeno Y. Isikawa	J. Phys. Soc. Jpn.	75		9370211-4	(2006)	原著
Surface Impedance Studies of Heavy Fermion Superconductors, PrOs4Sb12 and UBe13	H. Tou N. Tsugawa M. Doi Y. Nakai M. Sera	J. Phys. Soc. Jpn.	75		Supplem ent 201-203	(2006)	原著
NMR Study of Single Crystal UBe13: 9Be Knight Shifts in the Normal State	N. Tsugawa H. Tou M. Sera H. Harima Y. Haga Y. Onuki	J. Phys. Soc. Jpn.	75		Supplem ent 107-109	(2006)	原著

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Surface impedance studies of PrT_4Sb_{12} (T = Os, Ru)	H. Tou Y. Nakai M. Doi M. Sera H. Sugawara H. Sato	Physica B	378-380		209-210	(2006)	原著
Lattice dynamics in the Kondo insulator YbB_{12}	K. S. Nemkovski P. A. Alekseev J.-M. Mignot A. V. Rybina F. Iga T. Takabatake N. Y. Shitsevalova T. B. Paderno V. N. Lazukov E. V. Nefeodova N. N. Tiden I. P. Sadikov	J. Solid State Chem.	179		148-152	(2006)	原著
High-resolution photoemission study of the temperature-dependent c-f hybridization gap in the Kondo semiconductor YbB_{12}	Y. Takeda M. Arita M. Higashiguchi K. Shimada H. Namatame M. Taniguchi F. Iga T. Takabatake	Phys. Rev. B	73		033202 (1-4)	(2006)	原著
Magnetic frustrations in the Shastry-Sutherland system ErB_4	S. Michimura A. Shigekawa F. Iga M. Sera T. Takabatake K. Ohoyama Y. Okabe	Physica B	378-380		596-597	(2006)	原著
Neutron scattering study of spin and lattice dynamics in YbB_{12}	J. M. Mignot P. A. Alekseev K. S. Nemkovski E. V. Nefeodova A. V. Rybina L. P. Regnault N. Yu. Shitsevalova F. Iga T. Takabatake	Physica B	383		16-19	(2006)	原著
Long Periodic Quadrupolar Structures in $PrPb_3$	T. Onimaru T. Sakakibara N. Aso H. Yoshizawa H. S. Suzuki T. Takeuchi	J. Phys. Soc. Jpn.	75		Supplem 186-188 ent	(2006)	原著
Specific Heat Measurements on a Modulated Quadrupolar Ordering Compound $PrPb_3$ at Very Low Temperatures	T. Morie T. Onimaru Y. Karaki T. Sakakibara H.S. Suzuki	J. Phys. Soc. Jpn.	75		Supplem 183-185 ent	(2006)	原著
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Temperature- and field-induced first-order ferromagnetic transitions in $\text{MnFe}(\text{P}_{1-x}\text{Ge}_x)$	H. Yabuta K. Umeo T. Takabatake K. Koyama K. Watanabe	J. Phys. Soc. Jpn.	75		113707 (1-7)	(2006)	原著
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Effect of Co substitution on magnetic and thermoelectric properties of $\text{BaFe}_4\text{Sb}_{12}$	E. Matsuoka K. Tanaka S. Morimoto T. Sasakawa T. Takabatake	Jap. J. Appl. Phys.	45		4025-4029	(2006)	原著
Magnetic-field- and temperature-dependent Fermi surface of CeBiPt	J. Wosnitzer G. Goll A. D. Bianchi B. Bergk N. Kozlova I. Opahle S. E. Rigazzar M. Richter O. Stockert H.v Löhneysen T. Yoshino T. Takabatake	New Journal of Physics	8		174 (1-14)	(2006)	原著
Glasslike versus crystalline thermal conductivity in carrier-tuned $\text{Ba}_8\text{Ga}_{16}\text{X}_{30}$ clathrates (X=Ge, Sn)	M. A. Avila K. Suekuni K. Umeo H. Fukuoka S. Yamanaka T. Takabatake	Phys. Rev. B	74		125109 (1-8)	(2006)	原著
Iron-based heavy quasiparticles in $\text{SrFe}_4\text{Sb}_{12}$: An infrared spectroscopic study	S. Kimura T. Mizuno H. Im K. Hayashi E. Matsuoka T. Takabatake	Phys. Rev. B	73		214416 (1-5)	(2006)	原著
Carrier-tuning of single-crystalline $\text{Ba}_8\text{Ga}_{16}\text{Ge}_{30}$	M.A. Avila K. Suekuni K. Umeo T. Takabatake	Physica B	383		124-125	(2006)	原著
High-resolution photoemission study of $\text{Ce}_{1-x}\text{La}_x\text{RhAs}$: A collapse of the energy gap in the Kondo semiconductor	K. Shimada M. Higashiguchi S.-I. Fujimori Y. Saitoh A. Fujimori H. Namatame M. Taniguchi T. Sasakawa T. Takabatake	Physica B	383		140-141	(2006)	原著

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Infrared study on electronic structure of SrT4Sb12 (T=Fe, Ru)	S. Kimura H. J. Im Y. Sakurai T. Mizuno K. Takegahara H. Harima K. Hayashi E. Matsuoka T. Takabatake	Physica B	383	133-139	(2006)	原著
Itinerant electron metamagnetism in AFe4Sb12 (A=Ca, Sr, Ba)	S. Yoshii E. Matsuoka K. Hayashi T. Takabatake M. Hagiwara K. Kindo	Physica B	378-380	241-243	(2006)	原著
Magnetic and thermoelectric properties of BayFe4-xCoxSb12	E. Matsuoka S. Morimoto K. Tanaka T. Sasakawa T. Takabatake	Physica B	383	132-133	(2006)	原著
Muon spin rotation measurements on LaNiSn	A. J. Drew S. L. Lee F. Y. Ogrin D. Charalambous N. Bancroft D. McK. Paul T. Takabatake C. Baines	Physica B	374-375	270-273	(2006)	原著
Optical study on clathrates Sr8Ga16Ge30 and β -Eu8Ga16Ge30	Y. Sakurai T. Nishi S. Kimura Y. S. Kwon M. A. Avila T. Takabatake	Physica B	383	122-123	(2006)	原著
Roles of spin fluctuations and rattling in magnetic and thermoelectric properties of AT4Sb12 (A=Ca, Sr, Ba, La; T=Fe, Ru, Os)	T. Takabatake E. Matsuoka S. Narazu K. Hayashi S. Morimoto T. Sasakawa K. Umeo M. Sera	Physica B	383	93-102	(2006)	原著
Study of hybridization gap in the Kondo insulator CeRhAs through inelastic neutron scattering	D. T. Adroja J. G. Park K. A. McEwen K. Shigetoh T. Sasakawa T. Takabatake J. Y. So	Physica B	378-380	788-790	(2006)	原著
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Fabrication of Cr/CrOx/Cr SET Transistors	T. Kubota R. Yagi	Physica B			57-58	(2006)	
Observation of Non-Equilibrium Superconductivity Using DC-SQUID	H. Sera Y. Ikebuchi R. Yagi	Physica B	383		55-56	(2006)	
Magnetic heat transport in R ₂ CuO ₄ (R = La, Pr, Nd, Sm, Eu, and Gd)	K. Berggold T. Lorenz J. Baier M. Kriener D. Senff H. Roth A. Severing H. Hartmann A. Freimuth S. Barilo F. Nakamura	Physical Review B	73		104430	(2006)	原著
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Elastic, Thermal, Magnetic and Transport Properties of Kondo Compounds CeRhIn and CeRhSn	H. Higaki I. Ishii D. Hirata M-S. Kim T. Takabatake T. Suzuki	J. Phys. Soc. Jpn.	75	5	024709 (1-6)	(2006)	原著
Elastic anomaly around a ferromagnetic transition in Y _{1-x} CaxTiO ₃ (x = 0 - 0.2)	S. Morita H. Higaki I. Ishii M. Takemura F. Iga T. Takabatake M. Tsubota T. Suzuki	Physica B	383		43-44	(2006)	原著
Elastic properties of Sr ₈ Ga ₁₆ Ge ₃₀	I. Ishii H. Higaki S. Morita M. A. Avila T. Takata T. Takabatake T. Suzuki	Physica B	383		130-131	(2006)	原著
Elastic softening mode change in Y _{1-x} CaxTiO ₃ by Ca-doping	T. Suzuki S. Morita H. Higaki I. Ishii M. Takemura F. Iga T. Takabatake M.Tsubota	Physica B	378-380		332-333	(2006)	原著
Specific heat of CuCrZrS ₄	M. Ito H. Yamamoto S. Nagata T. Suzuki	Physica B: Physics of Condensed Matter	383		22-23	(2006)	原著

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Magnetic and thermodynamic properties of the thiospinel compound CuCrZrS ₄	M. Ito H. Yamamoto S. Nagata T. Suzuki	Physical Review B	74		214412 (1-5)	(2006)	原著
The Hall-Lorenz number in the La _{1.855} Sr _{0.145} CuO ₄ single crystal	M. Matusiak J. Hori T. Suzuki	Solid State Communications	139		376-379	(2006)	原著
Magnetization of Spinel Compound CuRh ₂ S ₄ Under Pressure	M. Ito K. Ishii F. Nakamura T. Suzuki	AIP Conf. Proc.	850		627-628	(2006)	国際会議 事録
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Parametric X-ray Study from Textured Molybdenum Polycrystal	S. Nawang I. Endo M. Iinuma T. Takahashi A. Kohara K. Ueda S. Stokov H. Kuroiwa T. Ohnishi Y. Takabayashi C. Moriyoshi A. Shchagin	J. Phys. Soc. Jpn	75		124705 (1-10)	(2006)	原著
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Measurement of Neutrino Oscillation by the K2K Experiment	K2K collaboration M. Iinuma, S. Nawang, T. Takahashi et. al.	Physical Review D	D74	3	072003	(2006)	原著
Measurement of the quasielastic axial vector mass in neutrino interactions on oxygen	K3K collaboration M. Iinuma, S. Nawang, T. Takahashi et. al.	Physical Review D	74		052002	(2006)	原著
Improved search for ν_μ to ν_e oscillation in a long-baseline accelerator experiment	K2K collaboration M. Iinuma, S. Nawang, T. Takahashi et. al.	Physical Review Letters	96		181801	(2006)	原著
High Frequency Alfvén Eigen Modes Observed in LHD	H. Higaki M. Ichimura D. Inoue K. Nakagome Y. Yamaguchi S. Kakimoto R. Kumazawa T. Watari T. Mutoh T. Seki K. Saito	Plasma and Fusion Reserch	1		34	(2006)	原著

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Cascade acceleration of electrons by laser wakefield and direct laser field	M. Adachi E. Miura S. Kato K. Koyama S. Masuda T. Watanabe H. Okamoto A. Ogata M. Tanimoto	Jpn. J. Appl. Phys.	45	5A	4214-4218	(2006)	原著
Monoenergetic electron beam generation in a laser-driven plasma acceleration	M. Adachi E. Miura S. Kato K. Koyama S. Masuda T. Watanabe A. Ogata H. Okamoto M. Tanimoto	Laser Physics Letters	30	2	79	(2006)	原著
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Phonon spectrum and the maintenance condition of crystalline beams	X.-P. Li H. Enokizono H. Okamoto Y. Yuri A. M. Sessler J. Wei	Physical Review STAB	9		034201 (10 pages)	(2006)	原著
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S-LSR: Cooler ring development at Kyoto University	T. Shirai S. Fujimoto M. Ikegami A. Noda H. Souda M. Tanabe H. Tonguu K. Noda S. Shibuya T. Takeuchi T. Fujimoto S. Iwata A. Takubo H. Okamoto Y. Yuri M. Grieser E. M. Syresin	AIP Conf. Proc.	821		103-107	(2006)	国際会議 事録
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Boltzmann equations for spin and charge relaxations in superconductors	Y. Takane	J. Phys. Soc. Jpn.	75	7	074711 (8 pages)	(2006)	原著
Charge imbalance relaxation in superconductors at low temperatures	Y. Takane	J. Phys. Soc. Jpn.	75	2	023706 (4 pages)	(2006)	原著
Pulse control of decoherence with population decay	T. Murakami Y. Takane	J. Phys. Soc. Jpn.	75	2	024006 (6 pages)	(2006)	原著
Random-matrix approach to the Josephson effect in a disordered wire with symplectic symmetry	Y. Takane	J. Phys. Soc. Jpn.	75	12	124703 (6 pages)	(2006)	原著
Random-matrix theory of electron transport in disordered wires with symplectic symmetry	H. Sakai Y. Takane	J. Phys. Soc. Jpn.	75	5	054711 (13 pages)	(2006)	原著
Weak localization in multiwall carbon nanotubes in a perpendicular magnetic field	Y. Takane	J. Phys. Soc. Jpn.	75	4	044701 (5 pages)	(2006)	原著
Superconductivity in non-centrosymmetric materials	M. Sigrist D.F. Agterberg P.A. Frigeri N. Hayashi R.P.Kaur A. Koga I. Milat K. Wakabayashi Y. Yanase	J. Mag. Mag. Mat.				(2006)	原著
Nuclear Magnetic Relaxation Rate in a Noncentrosymmetric Superconductor	N. Hayashi K. Wakabayashi P.A. Frigeri M. Sigrist	Phys. Rev. B	73		092508(1-4)	(2006)	原著
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Spatially Resolved NMR Relaxation Rate in a Noncentrosymmetric Superconductor	N. Hayashi K. Wakabayashi P. A. Frigeri Y. Kato M. Sigrist	Physica B	378-80		388-390	(2006)	原著
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Quantum Nondemolition Measurement of a Superconducting Flux Qubit	K. Takashima M. Nishida S. Matsuo N. Hatakenaka	AIP Conf. Proc.	850		945-946	(2006)	国際会議議事録
Theory of Photocurrent in BCS Excitons	T. Fujii S. Matsuo M. Nishida N. Hatakenaka	AIP Conf. Proc.	850		995-996	(2006)	国際会議議事録
Generation of macroscopic Greenberger-Horne-Zeilinger states in Josephson systems	T. Fujii M. Nishida N. Hatakenaka	Proc. of Found. Quant. Mech. in the Light of New Technology			88-91	(2006)	国際会議議事録
SYNTHESIS AND ELECTRIC PROPERTIES OF NbS ₃ : POSSIBILITY OF ROOM TEMPERATURE CHARGE DENSITY WAVE DEVICES	H. Nobukane K. Inagaki S. Tanda M. Nishida	Topology in Ordered Phases, Proceedings of the 1st International Symposium on TOP 2005			76-81	(2006)	国際会議議事録
Analysis of an experimental quantum logic gate by complementary classical operations	Holger F. Hofmann R. Okamoto S. Takeuchi	Modern Physics Letters A	21		1837	(2006)	原著
Optimal cloning of single photon polarization by coherent feedback of beam splitter losses	Holger F. Hofmann T. Ide	New Journal of Physics	8		130	(2006)	原著
Generation of a highly phase sensitive polarization squeezed N-photon state by collinear parametric downconversion and photon subtraction	Holger F. Hofmann	Physical Review A	74		13808	(2006)	原著
Micro-strip-line-based sensing chips for characterization of polar liquids in terahertz regime	T. Ohkubo M. Onuma J. Kitagawa Y. Kadoya	Appl. Phys. Lett.	88	21	212511	(2006)	原著
THz spectroscopic characterization of biomolecule/water systems by compact sensor chips	J. Kitagawa T. Ohkubo M. Onuma Y. Kadoya	Appl. Phys. Lett.	89	4	041114	(2006)	原著
Possible Polaron Effect in Complex Terahertz Conductivity of Electron-Doped Nanoporous Crystal 12CaO·7Al ₂ O ₃	J. Kitagawa M. Ishizaka Y. Kadoya S. Matsuishi H. Hosono	J. Phys. Soc. Jpn.	75	8	084715	(2006)	原著
Pressure induced Kondo coherence effect in Ce ₂ Pd ₃ Si ₅	M. Abliz M. Hedo J. Kitagawa Y. Uwatoko M. Ishikawa	J. Alloys and Compd.	408-412		241	(2006)	国際会議議事録
Epitaxial Growth of Cu Nanodot Arrays Using an AAO Template on a Si Substrate	T. Shimizu M. Nagayanagi T. Ishida O. Sakata T. Oku H. Sakaue T. Takahagi S. Shingubara	Electrochemical and Solid-State Letters	9	4	J13-J16	(2006)	原著
Electrical Characteristics of Low Dielectric Porous Diamond Film Composed by Diamond Nano-particles	K. Nakazono H. Tomimoto T. Sakurai H. Sakaue T. Takahagi	Abstracts of 13th International Conf. on Solid Films and Surfaces			47 (PI-02)	(2006)	国際会議議事録
Fabrication of the Ordered Dangling Bond Rows on Hydrogen Terminated Si(111) Surface with Periodic Step/Terrace Structure	H. Sakaue K. Inoue K. Nishida D. Yoshioka T. Takahagi	Abstracts of 13th International Conf. on Solid Films and Surfaces			240 (PIII-55)	(2006)	国際会議議事録

論文の標題 (Titles)	著者名 (Authors)	誌名 (Magazines)	巻 (Vol.)	号 (No.)	頁 (Pages)	(年) (Year)	論文種別 (Classif.)
Surface Cleaning of PET Films with an Atmospheric Pressure Dielectric Barrier Discharge	T. Yuji I. Matsushima H. Sakaue Y. Suzuki Y-M. Sung	Abstracts of 8th Asia-Pacific Conference on Plasma Science and Technology			197	(2006)	国際会議 事録
Spin-dependent tunneling in a magnetic field for junctions involving normal and superconducting CDW metals	T. Ekino A.M. Gabovich Mai Suan Li M. Pekala H. Szymczak A.I. Voitenko	Acta Physica Polonica A	109		477-484	(2006)	
Spin dependent tunneling current in junctions involving CDW metals	T. Ekino A.M. Gabovich Mai Suan Li M. Pekala H. Szymczak A.I. Voitenko	Jpn. J. Appl. Phys	45		2242-2245	(2006)	
Spin dependent splitting of the tunnel conductivity peaks in the magnetic field for junctions involving CDW metals	T. Ekino A.M. Gabovich Mai Suan Li M. Pekala H. Szymczak A.I. Voitenko	Physica B	378-380		567-568	(2006)	
Tunneling spectroscopy of AIB2 type silicide CaAlSi	T. Takasaki T. Ekino S. Yamanaka	Physica B	383		80-81	(2006)	
Tunneling spectroscopy of the electron-doped superconductors MNC10.7 (M= Hf, Zr)	T. Takasaki T. Ekino H. Fujii S. Yamanaka	Physica C	445-448		77-79	(2006)	
Study of Phonon Anomalies of Rare Earth Hexaborides RB6	M. Kohgi K. Kuwahara N. Ogita M. Udagawa F. Iga	J. Phys. Soc. Jpn	75		085003/2p	(2006)	原著
Dynamical properties of guest ions in the type-I clathrate compounds X8Ga16Ge30 (X=Eu,Sr,Ba) investigated by Raman scattering	Y. Takasu T. Hasegawa N. Ogita M. Udagawa M.A. Avila K. Suekuni I. Ishii T. Suzuki T. Takabatake	Phys. Rev. B	74		174303/5p	(2006)	原著
Raman scattering of type-I clathrate compounds	Y. Takasu T. Hasegawa N. Ogita M. Udagawa M.A. Avila T. Takabatake	Physica B	383		134-136	(2006)	原著
Development of Metal Hydride with High Dissociation Pressure	Y. Kojima	J. Alloys and Compd.	419		256-261	(2006)	原著
Hydrogen Adsorption and Desorption by Carbon Materials	Y. Kojima	J. Alloys and Compd.	421		204-208	(2006)	原著
Magnesium-Based Nano-Composite Materials for Hydrogen Storage	Y. Kojima	J. Alloys and Compd.	424		294-298	(2006)	原著
Hydrogen Absorption and Desorption by the Li-Al-N-H System	Y. Kojima	J. Phys. Chem. B	110		9632-9636	(2006)	原著
Hydrogen Generation from Lithium Borohydride Solution over Nano-Sized Platinum Dispersed on LiCoO2	Y. Kojima	J. Power Sources	155		325-328	(2006)	原著

論文の標題 (Titles)	著者名 (Authors)	誌名 (Magazines)	巻 (Vol.)	号 (No.)	頁 (Pages)	(年) (Year)	論文種別 (Classif.)
Hydrogen Storage of Metal Nitrides by a Mechanochemical Reaction	Y. Kojima	J. Power Sources	159		81-87	(2006)	原著
Fulde-Ferrell-Larkin-Ovchinnikov State in Thin Films with Rough Surfaces	S. Matsuo S. Higashitani N. Hatakenaka K. Nagai	AIP Conf. Proc.	850		733-734	(2006)	国際会議 事録
Impurity Effect on the Order Parameter Collective Mode in Superfluid ³ He in Aerogel	S. Higashitani M. Miura K. Nagai	AIP Conf. Proc.	850		249-250	(2006)	国際会議 事録
Raman Spectra of p-wave Superconductors with Non-Magnetic Impurities	M. Miura S. Higashitani M. Yamamoto K. Nagai	AIP Conf. Proc.	850		581-582	(2006)	国際会議 事録
Raman spectra of spin-triplet superconductor Sr ₂ RuO ₄	M. Miura S. Higashitani M. Yamamoto K. Nagai	Physica B	383		82-83	(2006)	国際会議 事録
Pressure- and field-induced magnetic instabilities in a heavy-fermion antiferromagnet Ce ₇ Ni ₃	K. Umeo K. Motoya H. Kadowaki N. Aso T. Tayama T. Sakakibara N. Kurita M. Hedo Y. Uwatoko T. Takeuchi T. Takabatake	J. Alloys Comp.	408-412		43-46	(2006)	原著
Anisotropic 4f-spin dynamics across the B-T phase diagram of Ce ₇ Ni ₃	A. Schenck N. F. Gybax K. Umeo T. Takabatake D. Andreica	J. Phys.: Cond. Matter	18		1955-1966	(2006)	原著
Electron tunneling experiments on La-substituted Kondo-semiconductor CeRhAs	T. Ekino H. Miyaoka T. Sasakawa T. Takabatake A. M. Gabovich	Physica B	383		26-27	(2006)	原著
Tunneling measurements of CeRhAs single crystal	T. Ekino H. Miyaoka T. Sasakawa T. Takabatake A. M. Gabovich	Physica B	378-380		786-787	(2006)	原著
Tunneling spectroscopy of single-crystal clathrate Ba ₈ Ga ₁₆ Sn ₃₀	R. A. Ribeiro T. Ekino M. A. Avila T. Takabatake	Physica B	383		126-127	(2006)	原著

B. 分子生命機能科学 (Dept. of Molecular Biotechnology)

論文の標題 (Titles)	著者名 (Authors)	誌名 (Magazines)	巻 (Vol.)	号 (No.)	頁 (Pages)	(年) (Year)	論文種別 (Classif.)
ZMVHA-B1, the gene for subunit B of a vacuolar H ⁺ -ATPase from the eelgrass <i>Zostera marina</i> L., is able to replace vma2 in a yeast null mutant	A. Alemzadeh, et al.	J Biosci Bioeng	102	5	390-395	(2006)	原著
C-terminal repetitive motifs in Vp130 present at the unique vertex of the Chlorovirus capsid are essential for binding to the host <i>Chlorella</i> cell wall	H. Onimatsu, et al.	Virology	353		433-442	(2006)	原著
Cloning and characterization of a plasma membrane H ⁺ -ATPase (zha2) from eelgrass (<i>Zostera marina</i> L.)	A. Alemzadeh, et al.	Proceedings of the 13th Australasian Plant Breeding Conference			589-595	(2006)	国際会議 事録

論文の標題 (Titles)	著者名 (Authors)	誌名 (Magazines)	巻 号 (Vol.) (No.)	頁 (Pages)	(年) (Year)	論文種別 (Classif.)
Chlorella Viruses	T. Yamada, et al.	Advances in Virus Research	66	293-336	(2006)	総説論文
Pharmacokinetics of cycloalliin, an organosulfur compound in garlic and onion, in rats.	M. Ichikawa I. Mizuno J. Yoshida N. Ide M. Ushijima Y. Koderu M. Hayama K. Ono	J. Agric. Food Chem.	54	9811-9819	(2006)	原著
Tetrahydro- β -carboline derivatives: Antioxidants produced by natural aging process of garlic.	M. Ichikawa J. Yoshida N. Ide T. Sasaoka H. Yamaguchi K. Ono	J. Nutr.	136	726S-731S	(2006)	国際会議 事録
免疫治療におけるスギ花粉抗原反復注射とダニ抗原反復注射によるTh1/Th2細胞応答の違いについて	林 鷹治 林 賢 小笠和久 菅野雅元	アレルギー科	21	308-320	(2006)	総説論文
肝移植により誘導される自然免疫寛容の成立機構解明	河本 正次	上原記念生命科学財 団研究報告集	20	286-288	(2006)	その他
Oral administration of pulverized Konjac glucomannan prevents the increase of plasma IgE and IgG levels induced by the injection of syngeneic keratinocyte extracts in BALB/c mice	S. Oomizu N. Onishi H. Suzuki K. Ueda M. Mochizuki K. Morimoto S. Kawamoto K. Ono Y. Kameyoshi M. Hide	Clin. Exp. Allergy	36	102-110	(2006)	原著
Decrease in the allergenicity of Japanese cedar pollen allergen by treatment with positive and negative cluster ions.	S. Kawamoto M. Oshita N. Fukuoka S. Shigeta T. Aki T. Hayashi K. Nishikawa K. Ono	Int. Arch. Allergy Immunol.	141	313-321	(2006)	原著
TRAF1 regulates Th2 differentiation, allergic inflammation and nuclear localization of the Th2 transcription factor, NIP45.	P. J. Bryce M. K. Oyoshi S. Kawamoto H. Oettgen E. N. Tsitsikov	Int. Immunol.	18	101-111	(2006)	原著
Utilization of Shochu distillery wastewater for production of polyunsaturated fatty acids and xanthophylls by Thraustochytrid.	T. Yamasaki T. Aki M. Shinozaki M. Taguchi S. Kawamoto K. Ono	J. Biosci. Bioeng.	102	323-327	(2006)	原著

論文の標題 (Titles)	著者名 (Authors)	誌名 (Magazines)	巻 (Vol.)	号 (No.)	頁 (Pages)	(年) (Year)	論文種別 (Classif.)
Histone H1 vaccine therapy for overcoming the acute rejection in experimental organ transplantation	T. Nakano K. Ono S. Goto C. Y. Lai L. W. Hsu S. Kawamoto Y. C. Lin Y. H. Kao K. C. Chiang N. Ohmori T. Goto S. Sato B. Jawan Y. F. Cheng C. L. Chen	Transplant. Proc.	38		3247-3248	(2006)	原著
The role of anti-nuclear antibodies in experimental and clinical liver transplantation	T. Nakano C. Y. Lai S. Goto L. W. Hsu Y. C. Lin Y. H. Kao S. Kawamoto K. C. Chiang N. Ohmori T. Goto S. Sato K. Ono B. Jawan Y. F. Cheng C. L. Chen	Transplant. Proc.	38		3605-3606	(2006)	原著
プロテオーム解析によるスギ花粉・ダニアレルゲンの全容解明	河本 正次 秋 庸裕 小埜 和久	アレルギー・免疫	13		340-344	(2006)	総説論文
Changes in organosulfur compounds in garlic cloves during storage	M. Ichikawa N. Ide K. Ono	J. Agric. Food Chem.	54		4849-4854	(2006)	原著
Determination of seven organosulfur compounds in garlic by high-performance liquid chromatography	M. Ichikawa J. Yoshida N. Ide T. Sasaoka H. Yamaguchi K. Ono	J. Agric. Food Chem.	54		1535-1540	(2006)	原著
High Power Output by the Second-Generation Microbial Fuel Cell	T. Kakizono	FC EXPO 2006				(2006)	その他
微生物燃料電池を用いるバイオマスから高出力発電法の開発	柿菌 俊英				P-237	(2006)	その他
A new wastewater treatment system integrated with microbial fuel cell for electricity and reduced sludge generation	T. Kakizono S. Mihafa N. Nishio	Green Chemistry and Technology, Amer. Chem. Soc.	2006	June		(2006)	国際会議集録
Productivity of hydrogen from various carbon sources and their mixture by microbial flora	Y. Nakashimada M. Osawa N. Yamase N. Nishio	Renewable energy 2006 proceedings			1046-1048	(2006)	国際会議集録
有機排水・余剰汚泥の処理システムー省エネルギー的浄化および汚泥減量化・有効利用のために	西尾 尚道 中島 豊 ほか5名	環境浄化技術	5	5	50-55	(2006)	総説論文
Integrated biooxidation and acid dehydration process for monohydroxylation of aromatics	S. Yamashita Y. Sameshima M. Konishi J. Kato M. Kishimoto K. Honda T. Ohmasa H. Ohtake	Process Biochemistry	42		46-51	(2006)	原著

論文の標題 (Titles)	著者名 (Authors)	誌名 (Magazines)	巻 (Vol.)	号 (No.)	頁 (Pages)	(年) (Year)	論文種別 (Classif.)
Development of a new biotechnological basis for improving industrial sustainability in Japan	H. Ohtake S. Yamashita J. Kato	Engineering and Life Science	6	3	278-284	(2006)	総説論文
運動性細菌による環境汚染物質の認識	金慧恩 下城麻衣子 大竹久夫 加藤純一	化学と生物	44	5	313-319	(2006)	総説論文
グラム陰性細菌のクォーラムブロッカー構築の試み	石田文典 大竹久夫 池田幸 諸星知広 加藤純一	生物工学会誌	84	12	495-498	(2006)	総説論文
Identification and characterization of the chemotactic transducer in <i>Pseudomonas aeruginosa</i> PAO1 for positive chemotaxis to trichloroethylene	H.-E. Kim M. Shitashiro A. Kuroda N. Takiguchi H. Ohtake J. Kato	Journal of Bacteriology	188	18	6700-6702	(2006)	原著
The Si-tag for Immobilizing Proteins on a Silica Surface	K. Taniguchi K. Nomura Y. Hata T. Nishimura Y. Asami A. Kuroda	Biotechnology and Bioengineering		in press		(2006)	原著
Inorganic polyphosphate stimulates Lon-mediated proteolysis of nucleoid proteins in <i>Escherichia coli</i>	K Nomura J. Kato N. Takiguchi H. Ohtake A. Kuroda	Cell. Mol. Biol	52		23-29	(2006)	原著
Polyphosphate-ATP Amplification Technology: Principle and its Application to Specific Bacteria Detection,	Y. Asami T. Satoh A. Kuroda	Journal of Environmental Biotechnology	6	2	105-108	(2006)	原著
アスベスト結合タンパク質を利用したアスベスト簡易検出	黒田章夫 野村和孝 西村智基	オーム		12月号	4-5	(2006)	総説論文
タンパク質を利用した簡易アスベスト検出技術を開発	黒田章夫	セラミックス	12		1057	(2006)	総説論文
シリカ結合タンパク質を用いた任意タンパク質のSi基盤固定技術	黒田章夫 谷口弘慈 西村智基 麻見安雄 野村和孝	バイオマイクロシステム研究会・電気学会	2006		31-35	(2006)	総説論文
アスベストを手軽に調べる新手法	黒田章夫	化学	61		75	(2006)	総説論文
Transcriptional analysis of the multicopy hao gene coding for hydroxylamine oxidoreductase in <i>Nitrosomonas</i> sp. strain ENI-11	R. Hirota A. Kuroda T. Ikeda N. Takiguchi H. Ohtake J. Kato	Biosci. Biotechnol. Biochem.	70	8	1875-1881	(2006)	原著
Polyamines affect polyphosphate accumulation in <i>Escherichia coli</i>	K. Motomura N. Takiguchi H. Ohtake A. Kuroda	Journal of Environmental Biotechnology	6	1	41-46	(2006)	原著
パーチャルゾウリムシの化学応答シミュレーション	平野 旭 辻 敏夫 滝口 昇 大竹 久夫	計測自動制御学会論文集	42	11	1252-1259	(2006)	原著

論文の標題 (Titles)	著者名 (Authors)	誌名 (Magazines)	巻 (Vol.)	号 (No.)	頁 (Pages)	(年) (Year)	論文種別 (Classif.)
An electrophysiological model of chemotactic response in Paramecium	A. Hirano T. Tsuji N. Takiguchi H. Ohtake	Proceedings of the 2006 IEEE International Conference on Systems, Man, and Cybernetics, Taipei			3612-3617	(2006)	国際会議議事録
Biomimetic Control of mobile robots based on the Information Processing Model of Paramecium	A. Hirano T. Tsuji N. Takiguchi H. Ohtake	Proceedings of the Eleventh International Symposium on Artificial Life and Robotics, Ohita			313-318	(2006)	国際会議議事録
ホワイトバイオテクノロジーと環境調和型循環システムの確立	滝口昇 片倉啓雄	社団法人化学工学会・化学工学会誌	70	3	183	(2006)	総説論文
Analysis of the loading and hydroxylation steps in lankamycin biosynthesis in <i>Streptomyces rochei</i>	K. Arakawa K. Kodama S. Tatsuno S. Ide H. Kinashi	Antimicrob. Agents Chemother.	50	6	1946-1952	(2006)	原著
14員環マクロライド抗生物質ランカマイシンのスターターユニットおよび水酸化反応の解析	荒川賢治 児玉和也 鈴木夏実 井手彩洋子 木梨陽康 株本浩樹 有澤章	第48回天然有機化合物討論会講演要旨集			451-456	(2006)	講演要旨集
酵母でスクリーニングされた植物由来のCa ²⁺ シグナル伝達阻害物質	木村賢一 越野広雪 宮川都吉	バイオサイエンスとバイオインダストリー	64		214-218	(2006)	
Identification of <i>Saccharomyces cerevisiae</i> ribosomal protein L3 as a target of curvularol, a G1-specific inhibitor of mammalian cells	Y. Kobayashi M. Mizunuma H. Osada T. Miyakawa	Biosci. Biotechnol. Biochem.	70	10	2451-2459	(2006)	原著
Involvement of calcineurin-dependent degradation of Yap1p in Ca ²⁺ -induced G2 cell-cycle regulation in <i>Saccharomyces cerevisiae</i>	H. Yokoyama M. Mizunuma M. Okamoto J. Yamamoto D. Hirata T. Miyakawa	EMBO Reports	7	5	519-524	(2006)	原著
Ca ²⁺ シグナルによる細胞周期制御	宮川都吉 水沼正樹	バイオサイエンスとインダストリー	64	7	373-378	(2006)	総説論文
Evaluation of image processing programs for accurate measurement of budding and fission yeast morphology	G. Suzuki H. Sawai M. Ohtani S. Nogami F. Sano-Kumagai A. Saka M. Yukawa TL. Saito J. Sese D. Hirata S. Morishita Y. Ohya	Curr Genet.	49	4	237-247	(2006)	原著
ポストゲノムに求められるクロマチン情報の解読	湯川 格史	社団法人日本生物工学会・生物工学会誌	84	8	334	(2006)	総説論文
The V260I mutation in fission yeast α -tubulin Atb2 affects microtubule dynamics and EB1-Mal3 localization and activates the Bub1 branch of the spindle checkpoint.	K. Asakawa K. Kume M. Kanai T. Goshima K. Miyahara S. Dhut W. W. Tee D. Hirata T. Toda	Mol. Biol. Cell	17	3	1421-1435	(2006)	原著

論文の標題 (Titles)	著者名 (Authors)	誌名 (Magazines)	巻 (Vol.)	号 (No.)	頁 (Pages)	(年) (Year)	論文種別 (Classif.)
Global gene expression analysis of yeast cells during sake brewing	Hong Wu Xiaohong Zheng Y. Araki H. Sahara H. Takagi H. Shimoi	Applied and Environmental Microbiology	72		7353-7358	(2006)	原著
Rsp5 regulates expression of stress proteins via post-translational modification of Hsf1 and Msn4 in <i>Saccharomyces cerevisiae</i>	Y. Haitani H. Shimoi H. Takagi	FEBS Lett.	580		3433-3438	2006	原著
微生物ゲノムで五感に挑戦!	K. Iwashita	日本生物工学会誌	84	12	503	(2006)	その他
Proteomic Analysis of Extracellular Proteins from <i>Aspergillus oryzae</i> Grown under Submerged and Solid-State Culture Conditions	K. Oda D. Kakizono O. Yamada H. Iefuji O. Akita K. Iwashita	Applied and Environmental Microbiology	72		3448-3457	(2006)	原著
固体培養環境下でのタンパク質生産機能の解析と新規生産システムの構築	K. Iwashita	ブレインテクノニュース	118		12-16	(2006)	総説論文
Monitoring of vasculogenesis-inhibiting activities in sewage effluents by using medaka embryos.	T. Sugise Y. Hayashida T. Hanafusa E. Nanjo I. Yamashita	Environ. Sci. Technol.	40		2051-2055	(2006)	原著
Characterization of salt tolerance in ectoine-transformed tobacco plants (<i>Nicotiana tabacum</i>): photosynthesis, osmotic adjustment, and nitrogen partitioning	R.E.A. Moghaieb N. Tanaka H. Saneoka Y. Murooka H. Ono H. Morikawa A. Nakamura N.T. Nguyen R. Suwa K. Fujita	Plant Cell and Environment	29		173-182	(2006)	原著

C. 半導体集積科学 (Dept. of Semiconductor Electronics and Integration Science)

論文の標題 (Titles)	著者名 (Authors)	誌名 (Magazines)	巻 (Vol.)	号 (No.)	頁 (Pages)	(年) (Year)	論文種別 (Classif.)
20GHz Uniform-Phase Uniform-Amplitude Standing-Wave Clock Distribution	M. Shiozaki M. Sasaki A. Mori A. Iwata H. Ikeda	IEICE Electronics Express	3	2	11-16	2006	原著
A Study of Interference in Synchronous Systems	T. Yoshimura A. Iwata	IEEE TRANSACTIONS ON CIRCUITS AND SYSTEMS	53	8	1726-1740	2006	原著
A VLSI Spiking Feedback Neural Network with Negative Thresholding and Its Application to Associative Memory	K. Sasaki T. Morie A. Iwata	IEICE Trans. Electron	E89-C	11	1637-1644	2006	原著
Stochastic Computing Chip for Measurement of Manhattan Distance	M. Hori M. Ueda A. Iwata	Japanese Journal of Applied Physics	45	4B	3301-3306	2006	原著
17GHz Fine Grid Clock Distribution with Uniform-Amplitude Standing-Wave Oscillator	M. Sasaki M. Shiozaki A. Mori A. Iwata H. Ikeda	2006 Symposium on VLSI Circuits, Digest of Technical Paper			124-125	2006	
A 0.6V Supply CMOS Amplifier Using Noise Reduction Technique of Autozeroing and Chopper Stabilization	Y. Masui T. Yoshida M. Sasaki A. Iwata	Reduction Techniques Extended Abstracts of the 2006 International Conference on Solid State Devices and Materials			374-375	2006	

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Low-Voltage, Low-Phase-Noise Ring-VCO using 1/f-noise	T. Yoshida N. Ishida M. Sasaki A. Iwata	Reduction Techniques Extended Abstracts of the 2006 International Conference on Solid State Devices and Materials			376-377	2006	
Stereo Matching Algorithm Using a Weighted Average of Costs Aggregated by Various Window Sizes	K. Sasaki S. Kameda A. Iwata	7th Asian Conference on Computer Vision, Proceedings PartII			771-780	2006	
低電圧・低雑音バイオセンサー回路技術(招待講演)	岩田 穆 吉田 毅	電子情報通信学会, 信 学技報		ICD2006 -65	29-34		
A carrier-Times-Delay-Based Nonquasi-Static MOSFET Model for Circuit Simulation and Its Application Harmonic Distortion Analysis	D. Navarro Y. Takeda M. Miyake N. Nakayama K. Machida T. Ezaki H. J. Mattausch M. Miura- Mattausch	IEEE TRANSACTIONS ON ELECTRON DEVICES	53	9	2025-2034	(2006)	原著
Completely Surface-Potential-Based Compact Model of the Fully Depleted SOI-MOSFET Including Short-Channel Effects	N. Sadachika D. Kitamaru Y. Uetsuji D. Navarro M. M. Yusoff T. Ezaki H. J. Mattausch M. Miura- Mattausch	IEEE TRANSACTIONS ON ELECTRON DEVICES	53	9	2017-2024	(2006)	原著
HiSIM2 CIRCUIT SIMULATION", IEEE Circuits & Devices Magazine	H. J. Mattausch M. Miyake T. yoshida S. Hazama D. Navarro N. Sadachika T. Ezaki M. Miura- Mattausch	IEEE Circuits & Devices Magazine	22	5	P29-38	(2006)	原著
HiSIM2: Advanced MOSFET Model Valid for RF Circuit Simulation	M. Miura- Mattausch N. Sadachika D. Navarro G. Suzuki Y. Takeda M. Miyake T. Warabino Y. Mizukane R. Inagaki T. Ezaki H. J. Mattausch T. Ohguro T. Iizuka M. Taguchi S. Kumashiro S. Miyamoto	IEEE TRANSACTIONS ON ELECTRON DEVICES	53	9	1994-2007	(2006)	原著
On the validity of Convventional MOSFET Nolinearity Characterization at RF Switching	D. Navarro Y. Takeda M. Miura- Mattausch H. J. Mattausch T. Ohguro T. Iizuka M. Taguchi S. Kumashiro S. Miyamoto	IEEE Microwave and Wireless Components Letters	16	3	125-127	(2006)	原著
Analysis of Transient Temperature Profile During Thermal Plasma Jet Annealing of Si Films on Quartz Substrate	T. Okada S. Higashi H. Kaku N. Koba H. Murakami S. Miyazaki	Jpn. J. Appl. Phys.	45	5B	4355-4357	(2006)	原著

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Pulsed Laser Annealing of Thin Silicon Films	T. Sameshima H. Watakabe N. Andoh S. Higashi	Jpn. J. Appl. Phys.	45		2437-2440	(2006)	原著
Effect of He Addition on the Heating Characteristics of Substrate Surface Irradiated by Ar Thermal Plasma Jet	T. Okada S. Higashi H. Kaku N. Koba H. Murakami S. Miyazaki	Proc. of Int. Symposium on Dry Process			317-318	(2006)	国際会議議事録
Formation of Highly-Crystallized Ge:H Films from VHF Inductively-Coupled Plasma of GeH ₄	T. Sakata K. Makihara S. Higashi S. Miyazaki	2nd International WorkShop on New Group IV Semiconductor Nanoelectronics			61-62	(2006)	国際会議議事録
Impact of He Addition on the Substrate Surface Temperature During Rapid Thermal Annealing Induced by Ar Thermal Plasma Jet Irradition	T. Okada S. Higashi N. Koba H. Kaku H. Murakami S. Miyazaki	Abst. of 8th International Conference on Advanced Surface Engineering			73	(2006)	国際会議議事録
Semiconductor Diode Laser Annealing of Amorphous Ge Films	K. Sakaike S. Higashi H. Kaku T. Sakata H. Murakami S. Miyazaki	2nd International WorkShop on New Group IV Semiconductor Nanoelectronics			65-66	(2006)	国際会議議事録
Study of Charged states of Si Quantum Dots with Ge Core	K. Makihara M. Ikeda S. Higashi S. Miyazaki	210th Electrochemical Society(ECS) Meeting			1425	(2006)	国際会議議事録
Crystallization of Si in Millisecond Time Domain Induced by Thermal Plasma Jet Irradiation	S. Higashi H. Kaku T. Okada H. Murakami S. Miyazaki	Jpn. J. Appl. Phys.	45	5B	4313-4320	(2006)	原著
Ultrarapid Thermal Annealing Induced by Plasma Jet Irradiation and Its Application to Thin Film Transistor Fabrication	S. Higashi H. Kaku T. Okada H. Murakami S. Miyazaki	Ext. Abs. Int. 21st Century COE Symp. on Atomistic Fabrication Tech.			55-56	(2006)	原著
A New Insight into Control of Fermi Level Pinning in TiN/HfSiON Gate Stack	A. Ohta S. Miyazaki Y. Akasaka H. Watanabe K. Shiraishi K. Yamada S. Inumiya Y. Nara	2006 International Workshop on Dielectric Thin Films For Future ULSI Devices - Science and Technology (Kanagawa, Kawasaki, Nov. 8-10, 2006)			61-62	(2006)	国際会議議事録
Characterization of Dielectric Stack Structures of Hafnium Silicate and Silicon Oxynitride formed on Si(100)	A. Ohta H. Nakagawa H. Murakami S. Higashi S. Miyazaki T. Kawahara K. Torii Y. Nara	2006 International Workshop on Dielectric Thin Films For Future ULSI Devices - Science and Technology (Kanagawa, Kawasaki, Nov. 8-10, 2006)			31-32	(2006)	国際会議議事録
Characterization of Electronic Charged States of Impurity Doped Si Quantum Dots Using AFM/Kelvin Probe Technique	K. Makihara Y. Kawaguchi H. Murakami S. Higashi S. Miyazaki	IUMRS-ICA-2006 (Cheju, Sep. 10-14, 2006)			82	(2006)	国際会議議事録

論文の標題 (Titles)	著者名 (Authors)	誌名 (Magazines)	巻 (Vol.)	号 (No.)	頁 (Pages)	(年) (Year)	論文種別 (Classif.)
Charging and Discharging Characteristics of P-doped Si Quantum Dots Floating Gate	K. Makihara T. Nagai M. Ikeda Y. Kawaguchi H. Murakami S. Higashi S. Miyazaki	The 2006 International Meeting for Future of Electron Devices(Kyoto, Apr. 24-26, 2006)			67-68	(2006)	国際会議議事録
Evaluation of Chemical Structures and Work Function of NiSi near the Interface between Nickel Silicide and SiO ₂	A. Ohta H. Yoshinaga H. Murakami D. Azuma Y. Munetaka S. Higashi S. Miyazaki T. Aoyama K. Kosaka K. Shibahara	2006 International Conference of Solid State of Device and Materials(Yokohama, Sept. 13-15, 2006)			216-217	(2006)	国際会議議事録
Fabrication of Multiple-Stacked Si Quantum Dots and Its Application to Light Emitting Diodes	K. Makihara Y. Kawaguchi M. Ikeda H. Murakami S. Higashi S. Miyazaki	The 4th International Symposium on Nanotechnology(Tokyo, Feb, 2006)			168-169	(2006)	国際会議議事録
Phosphorus Doping to Si Quantum Dots and Its Floating Gate Application	K. Makihara Y. Kawaguchi M. Ieda H. Murakami S. Higashi S. Miyazaki	2006 Asia-Pacific Workshop on Fundamentals and Applications of Advanced Semiconductor Devices(Sendai, Jul. 3-5,2006)			135-138	(2006)	国際会議議事録
Photoemission Study of HfO ₂ /Ge(100) Stacked Structures	H. Nakagawa A. Ohta H. Murakami S. Higashi S. Miyazaki	2006 International Workshop on Dielectric Thin Films For Future ULSI Devices - Science and Technology (Kanagawa, Kawasaki, Nov. 8-10, 2006)			13-14	(2006)	国際会議議事録
Characterization of Electronic Charged States of Si-Based Quantum Dots and Their Application to Floating Gate Memories	S. Miyazaki M. Ikeda K. Makihara	209th Electrochemical Society(ECS) Meeting(Denver, Colorado, May 7-May 12, 2006)	601		390	(2006)	国際会議議事録
Characterization of Electronic Charged States of Si-based Quantum Dots for Multi-valued MOS Memories	S. Miyazaki K. Makihara M. Ikeda	The 8th International Conference on Solid-State and Integrated-Circuit Technology (Shanghai, China, Oct. 23-26, 2006)			736-739	(2006)	国際会議議事録
Control of Electronic Charged States of Si-based Quantum Dots for Floating Gate Application	S. Miyazaki K. Makihara M. Ikeda	2nd International WorkShop on New Group IV Semiconductor Nanoelectronics (Sendai, Oct. 2- 3, 2006)			49-50	(2006)	国際会議議事録
Depth Profiling of Chemical and Electronic Structures and Defects of Ultrathin HfSiON on Si(100)	S. Miyazaki A. Ohta Y. Pei S. Inumiya Y. Nara K. Yamada	210th Electrochemical Society(ECS) Meeting(Cancun, Mexico, October 29-November 3, 2006)	602		1104	(2006)	国際会議議事録

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Influences of Nitrogen Incorporation on Electronic Structure and Electrical Properties of Ultrathin Hafnium Silicate	S. Miyazaki A. Ohta Y. Pei S. Inumiya Y. Nara	The E-MRS 2006 Spring Meeting (France, Nice, May 29 to June 2, 2006)			L-4a	(2006)	国際会議議事録
Self-assembling formation of Silicon-based quantum dots and control of their electric charged states for multi-valued memories	S. Miyazaki	2006 RCIQE Int. Seminar for 21st Century COE Prog.: Quantum Nanoelectronics for Mem-Media-Based Information Technologies(IV)(Hokkaido, Feb. 9-10, 2006)			41-44	(2006)	国際会議議事録
DC熱プラズマジェットを用いた超急速熱処理による非晶質シリコン膜の結晶化とそのTFT応用	東 清一郎 加久 博隆 岡田 竜弥	「応用物理」、研究紹介	75	7	882-886	(2006)	解説論文
Insights into the high-rate growth of highly crystallized silicon films from inductively coupled plasma of H ₂ -diluted SiH ₄	N. Kosku S. Miyazaki	Thin Solid Films	511-512		265-270	(2006)	原著
Analysis of Transient Temperature Profile During Thermal Plasma Jet Annealing of Si Films on Quartz Substrate	T. Okada S. Higashi H. Kaku N. Koba H. Murakami S. Miyazaki	Jpn. J. Appl. Phys.	45	5B	4355-4357	(2006)	原著
Characterization of Electronic Charged States of P-doped Si Quantum Dots Using AFM/Kelvin Probe	K. Makihara J. Xu M. Ikeda H. Murakami S. Higashi S. Miyazaki	Thin Solid Films	508	1-2	186-189	(2006)	原著
Characterization of Electronic Charged States of Si-Based Quantum Dots and Their Application to Floating Gate Memories	S. Miyazaki M. Ikeda K. Makihara	Electrochemical Society(ECS) Trans.	2	1	157	(2006)	原著
Characterization of FUSI-PtSi Formed on Ultrathin HfO ₂ /Si(100) by Photoelectron Spectroscopy	Y. Munetaka F. Takeno A. Ohta H. Murakami S. Higashi S. Miyazaki	Trans. of the Mat. Res. Soc. of Japan	31	1	145-148	(2006)	原著
Decay Characteristics of Electronic Charged States of Si Quantum Dots as Evaluated by an AFM/Kelvin Probe Technique	J. Nishitani K. Makihara M. Ikeda H. Murakami S. Higashi S. Miyazaki	Thin Solid Films	508	1-2	190-194	(2006)	原著
Depth Profiling of Chemical and Electronic Structures and Defects of Ultrathin HfSiON on Si(100)	S. Miyazaki A. Ohta S. Inumiya Y. Nara K. Yamada	Electrochemical Society(ECS) Trans.	3	3	171-180	(2006)	原著
Fabrication of Multiply-Stacked Si Quantum Dots for Floating Gate MOS Devices	K. Makihara T. Nagai M. Ikeda H. Murakami S. Higashi S. Miyazaki	Trans. of the Mat. Res. Soc. of Japan	31	1	133-136	(2006)	原著

論文の標題 (Titles)	著者名 (Authors)	誌名 (Magazines)	巻 (Vol.)	号 (No.)	頁 (Pages)	(年) (Year)	論文種別 (Classif.)
Impact of Nitrogen Incorporation into Yttrium Oxide on Chemical Bonding Features and Electrical Properties	H. Abe H. Nakagawa M. Taira A. Ohta S. Higashi S. Miyazaki	Trans. of the Mat. Res. Soc. of Japan	31	1	157-160	(2006)	原著
Influence of thermal annealing on defect states and chemical structures in ultrathin Al ₂ O ₃ /SiN/poly-Si	M. Taira A. Ohta H. Nakagawa S. Miyazaki K. Yoneda M. Horikawa K. Koyama	Trans. of the Mat. Res. Soc. of Japan	31	1	149-152	(2006)	原著
In-Situ Observation of Rapid Crystalline Growth Induced by Excimer Laser Irradiation to Ge/Si Stacked Structure	A. Yamashita Y. Okamoto S. Higashi S. Miyazaki H. Watakabe T. Sameshima	Thin Solid Films	508	1-2	53-56	(2006)	原著
Multistep Electron Charging to and Discharging from Silicon-Quantum-Dots Floating Gate in nMOSFETs	T. Nagai M. Ikeda Y. Shimizu S. Higashi S. Miyazaki	Trans. of the Mat. Res. Soc. of Japan	31	1	137-140	(2006)	原著
Nitridation of Ge(100) Surfaces by Vacuum-ultra violet (VUV) Irradiation in NH ₃ Ambience	H. Nakagawa A. Ohta M. Taira H. Abe H. Murakami S. Higashi S. Miyazaki	Trans. of the Mat. Res. Soc. of Japan	31	1	153-156	(2006)	原著
Photoemission Study of Ultrathin GeO ₂ /Ge Heterostructures Formed by UV-O ₃ Oxidation	A. Ohta H. Murakami S. Higashi S. Miyazaki	e-Journal of Surface Science and Nanotechnology	4		174-179	(2006)	原著
Photoemission Study of Ultrathin HfSiON/Si(100) Systems	A. Ohta H. Nakagawa H. Murakami S. Higashi S. Miyazaki S. Inumiya Y. Nara	Trans. of the Mat. Res. Soc. of Japan	31	1	125-128	(2006)	原著
Study of Charged States of Si Quantum Dots with Ge Core	K. Makihara M. Ikeda S. Higashi S. Miyazaki	Electrochemical Society(ECS) Trans.	3	7	257-263	(2006)	原著
The Application of very High Frequency Inductively-coupled Plasma to High-Rate Growth of Microcrystalline Silicon Films	N. Kosku S. Miyazaki	J. Non-Cryst. Solid	352	9-20	911-914	(2006)	原著
Analysis of Leakage Current through Ultrathin HfSiO _x N/SiO ₂ Stack Gate Dielectric Capacitors with TiN/W/TiN Gate	Y. Pei A. Ohta H. Murakami S. Higashi S. Miyazaki T. Akasaka Y. Nara	2006 International Workshop on Dielectric Thin Films For Future ULSI Devices - Science and Technology (Kanagawa, Kawasaki, Nov. 8-10, 2006)			107-108	(2006)	国際会議議事録
Characterization of Chemical Bonding Features of Silicon Oxynitride Films Formed on Ge(100) Surface	H. Nakagawa A. Ohta H. Murakami S. Higashi S. Miyazaki	2nd International WorkShop on New Group IV Semiconductor Nanoelectronics (Sendai, Oct. 2- 3, 2006)			63-64	(2006)	国際会議議事録

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Influence of Cu electroplating solution on self-assembled porous silica low-k films	M. Shimoyama R. Yagi S. Chikaki N. Fujii T. Nakayama K. Kohmura H. Tanaka K. Kinoshita T. Kikkawa	Journal of The Electrochemical Society	153	9	G870-G873	(2006)	原著
Measurement and analysis of water adsorption in porous silica films	S. Kuroki T. Kikkawa	Journal of The Electrochemical Society	153	8	G759-G764	(2006)	原著
Influence of CMP chemicals on the properties of porous silica low-k films	A. Ishikawa Y. Shishida T. Yamanishi N. Hata T. Nakayama N. Fujii H. Tanaka H. Matsuo K. Kinoshita T. Kikkawa	Journal of The Electrochemical Society	153	7	G692-G696	(2006)	原著
Analysis of transmission characteristics of Gaussian monocycle pulses for silicon integrated antennas	K. Kimoto N. Sasaki P. K. Saha M. Nitta T. Kikkawa M. Sasaki	Japanese Journal of Applied Physics Part 1-Regular Papers Brief Communications & Review Papers	45	4B	3272-3278	(2006)	原著
A 2.4 GHz differential wavelet generator in 0.18 μm complementary metal-oxide-semiconductor for 1.4 Gbps ultra-wideband impulse radio in wireless inter/intra-chip data communication	P. K. Saha N. Sasaki K. Kimoto T. Kikkawa	Japanese Journal of Applied Physics Part 1-Regular papers Brief Communications & Review Papers	45	4B	3279-3285	(2006)	原著
Vapor phase reactions in polymerization plasma for divinylsiloxane-bis-benzocyclobutene film deposition	K. Kinoshita A. Nakano J. Kawahara N. Kunimi Y. Hayashi O. Kiso N. Saito K. Nakamura T. Kikkawa	Journal of Vacuum Science & Technology	A 24	6	2192-2198	(2006)	原著
Plasma etch rates of porous silica low-k films with different dielectric constants	T. Ono H. Takahashi K. Kinoshita N. Fujii N. Hata T. Kikkawa	Japanese Journal of Applied Physics Part 1-Regular papers Brief Communications & Review Papers	45	11	8873-8875	(2006)	原著
Recovery from plasma-process-induced damage in porous silica low-k films by organosiloxane vapor annealing	T. Ono K. Kinoshita H. Takahashi N. Fujii Y. Sonoda Y. Oku K. Kohmura R. Yagi N. Hata T. Kikkawa	Japanese Journal of Applied Physics Part 1-Regular papers Brief Communications & Review Papers	45	8A	6231-6235	(2006)	原著
Signal transmission characteristics between Si chips with air gap using Si integrated dipole antennas	K. Kimoto T. Kikkawa	Japanese Journal of Applied Physics Part 1-Regular papers Brief Communications & Review Papers	45	6A	4968-4976	(2006)	原著

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Ionic leakage current in porous silica films	Y. Kayaba K. Kohmura T. Kikkawa	Extended Abstracts of the 2006 International Conference on Solid State Devices and Materials			1018-1019	(2006)	原著
Pure-Silica Zeolite Films Prepared by a Vapor Phase Transport Method	Y. Cho K. Kohmura T. Kikkawa	Extended Abstracts of the 2006 International Conference on Solid State Devices and Materials			464-465	(2006)	原著
Formation of Mesoporous Pure Silica Zeolite Film	T. Seo T. Yoshino N. Hata T. Kikkawa	Extended abstracts of the International Conference on Solid State Devices and Materials			462-463	(2006)	原著
A Single-chip Gaussian Monocycle Pulse Transmitter using 0.18 μ m CMOS Technology for Intra/Interchip UWB Communication	P. K. Saha N. Sasaki T. Kikkawa	2006 Symposium on VLSI circuits Digest of Technical Papers			252-253	(2006)	原著
Analysis of Si Integrated Dipole Antennas for Ultrawideband Signal Transmission	K. Kimoto N. Sasaki K. Saha M. Nitta T. Kikkawa	Proc. of IEEE AP-S International Symposium with USNC/URSI National Radio Science and AMEREM Meetings	5		4661-4664	(2006)	原著
Influence of WLAN on Inter-chip UWB Signal Transmission with Si Integrated Antennas	M. Nitta K. Kimoto N. Sasaki T. Kikkawa	Proc. of IEEE AP-S International Symposium with USNC/URSI National Radio Science and AMEREM Meetings	2		917-920	(2006)	原著
Inter-chip Transmission Characteristics of Meander Dipole Antennas Integrated in 0.18 μ m CMOS UWB Transceiver Chips	K. Kimoto N. Sasaki M. Nitta M. Fukuda T. Kikkawa	Ext. Abst. of the 2006 International Conference on Solid State Devices and Materials			66-67	(2006)	原著
A Single-chip Ultra-Wideband Receiver using Silicon Integrated Antennas for Inter-chip Wireless Interconnection	N. Sasaki M. Fukuda M. Nitta K. Kimoto T. Kikkawa	Ext. Abst. of the 2006 International Conference on Solid State Devices and Materials			70-71	(2006)	原著
A 0.18 μ m CMOS Impulse Radio Based UWB Transmitter for Global Wireless Interconnections of 3D Stacked-Chip System	M. Fukuda P. K. Saha N. Sasaki T. Kikkawa	Ext. Abst. of the 2006 International Conference on Solid State Devices and Materials			72-73	(2006)	原著
Effect of Frictional Force Vector on Delamination in Cu/Low-k Integration	H. Matsuo S. Kondou A. Ishikawa K. Fukaya N. Kobayashi T. Kikkawa	Materials for Advanced Metallization 2006			87-88	(2006)	原著
Influence of Ultraviolet Irradiation on Porous Silica Low-k Dielectric Films	T. Nakayama N. Fujii H. Tanaka K. Takamura Y. Takasu Y. Seino N. Hata T. Kikkawa	Materials for Advanced Metallization 2006			191-192	(2006)	原著

論文の標題 (Titles)	著者名 (Authors)	誌名 (Magazines)	巻 (Vol.)	号 (No.)	頁 (Pages)	(年) (Year)	論文種別 (Classif.)
Removal of etching/ashing residues and ashing/wet clean damage in porous silica low-k films	T. Yamanishi T. Ono K. Kohmura N. Fujii T. Nakayama H. Tanaka S. Chikaki T. Kikkawa	Materials for Advanced Metallization 2006			85	(2006)	原著
Effect of Moisture Adsorption on the Properties of Porous Silica Ultralow-k Films	Y. Uchida S. Hishiya N. Fujii K. Takamura T. Nakayama H. Tanaka T. Kikkawa	Materials for Advanced Metallization 2006			77	(2006)	原著
ナノパターンへのプラズマダメージとその修復技術	T. Ono H. Takahashi K. Kinoshita N. Fujii K. Takamura R. Yagi N. Hata T. Kikkawa	プラズマ材料科学第153委員会第75回研究会				(2006)	原著
Plasma-enhanced polymerization thin film as a drift barrier for Cu interconnects	T. Yoshino J. Kawahara N. Hata Y. Shishida T. Kikkawa	Extended Abstracts of SSDM 2006			1038-1039	(2006)	原著
Nondestructive characterization of dielectric stack structures with and without trench patterns by laser-pulse generated surface acoustic wave analysis	T. Takimura N. Hata Y. Shishida S. Chikaki T. Kikkawa	Extended Abstracts of SSDM 2006			1024-1025	(2006)	原著
Nondestructive characterization of temperature-dependent backbone Si-O-Si structure in porous silica films by in-situ Fourier-transform infrared spectroscopy	S. Takada N. Hata X. Li. N. Fujii T. Nakayama T. Kikkawa	Extended Abstracts of SSDM 2006			154-155	(2006)	原著
The structural origin of Determining the coefficient of thermal expansion for porous silica low-k films	M. Yamaji N. Hata T. Nakayama Y. Shishida Y. Hyougou T. Kikkawa	Extended Abstracts of SSDM 2006			1010-1011	(2006)	原著
Metal Gate Technology for 45nm and beyond	K. Shibahara	Proceedings of 2006 Int. Symp.on VLSI Technology, Systems, and Applications			105-106	(2006)	原著
Mo Gate Deformation Induced by Laser Annealing Process	K. Shibahara A. Matsuno M. Hino K. Kurobe	Proceedings of 2006 Int. Symp.on VLSI Technology, Systems, and Applications			50-51	(2006)	原著
Merits of Heat-assist for Melt Laser Annealing	K. Shibahara T. Eto K. Kurobe	IEEE Trans. Electron Devices	53	5	1059-1064	(2006)	原著
Xe Preamorphization Implantation for Transient Enhanced Diffusion Suppression of As in Ge Substrate	T. Fukunaga K. Hosawa T. Hosoi K. Shibahara	Ext. Abst. Int. Conf. on Solid State Devices and Materials			452-453	(2006)	原著

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Pd ₂ Si Fully-Silicided Gate: Kinetics of Silicide Formation and Workfunction Tuning	T. Hosoi K. Sano K. Hosawa K. Shibahara	Ext. Abst. Int. Conf. on Solid State Devices and Materials			218-219	(2006)	原著
Effects of Pulse Duration on the Formation of Ultra Shallow Junction Formed by an Excimer Laser Anneal Method	A. Matsuno K. Shibahara	Jpn. J. of Appl. Phys.	45	11A	8537-8541	(2006)	原著
Fabrication of High-Density Diamond Nanotips by Electron Beam Lithography	T. Tabei T. Miyazaki Y. Nishibayashi S. Yokoyama	Jpn. J. Appl. Phys	45	3A	1771-1774	(2006)	原著
Design and Simulation of Ring Resonator Switches using Electro-Optic Materials	Y. Tanushi S. Yokoyama	Jpn. J. Appl. Phys.	45	4B	3493-3497	(2006)	原著
Structural and Optical Properties of Electro-Optic Material: Sputtered (Ba,Sr)TiO ₃	M. Suzuki Zhimou Xu Y. Tanushi S. Yokoyama	Jpn. J. Appl. Phys.	45	4B	3488-3492	(2006)	原著
Groove-Buried Optical Waveguides Based on Metal Organic Solution-Derived Ba _{0.7} Sr _{0.3} TiO ₃ Thin Films	Zhimou Xu M. Suzuki Y. Tanushi K. Wakushima S. Yokoyama	Jpn. J. Appl. Phys.	45	4B	3482-3487	(2006)	原著
Fabrication of spin-coat optical waveguides for optically interconnected LSI and influence of fabrication process on lower layer MOS capacitors	T. Tabei K. Maeda S. Yokoyama H. Sunami	Jpn. J. Appl. Phys.	45	4B	3498-3503	(2006)	原著
Monolithically integrated optical modulator based on polycrystalline Ba _{0.7} Sr _{0.3} TiO ₃ thin films	Zhimou Xu M. Suzuki Y. Tanushi S. Yokoyama	Appl. Phys. Lett.	88	16	161107(1-3)	(2006)	原著
Effect of H ₂ Addition during Cu Thin Film Sputtering	M. Ooka S. Yokoyama	Jpn. J. Appl. Phys.	45	12	9058-9062	(2006)	原著
Optical properties of amorphous Ba _{0.7} Sr _{0.3} TiO ₃ thin films obtained by metal organic decomposition technique	Zhimou Xu Y. Tanushi M. Suzuki K. Wakushima S. Yokoyama	Thin Solid Films	515		2326-2331	(2006)	原著
Low Temperature Fabrication of Monolithic Mach-Zehnder Optical Modulator on Silicon using Sputtered (Ba,Sr)TiO ₃ and Mechanism of Transient Response	M. Suzuki K. Nagata Y. Tanushi S. Yokoyama	Abst. Int. Conf. on Solid State Devices and Materials			48-49	(2006)	原著
Compact Multi-Mode Optical Ring Resonators for Interconnection on Si Chips	Y. Tanushi S. Yokoyama	Abst. Int. Conf. on Solid State Devices and Materials			44-45	(2006)	原著
Influence of bulk bias on negative bias temperature instability of p-channel metal-oxide-semiconductor field-effect transistors with ultrathin SiON gate dielectrics	S. Zhu A. Nakajima T. Ohashi H. Miyake	J. Appl. Phys.	99	6	064510-064515	(2006)	原著
Mechanism of Dynamic Bias Temperature Instability in P- and N- MOSFETs: the Effect of Pulse Waveform	S. Zhu A. Nakajima T. Ohashi H. Miyake	IEEE Trans. Electron Devices	53	8	1805-1814	(2006)	原著
Atomic Layer Deposition of HfO ₂ using Hf[N(C ₂ H ₅) ₂] ₄ and H ₂ O	Y. Yokoyama S. Zhu A. Nakajima	Jpn. J. Appl. Phys.	45	9A	7091-7093	(2006)	原著
Cotunneling current in Si single-electron transistor based on multiple islands	K. Ohkura T. Kitade A. Nakajima	Appl. Phys. Lett.	89	18	183520-183522	(2006)	原著

論文の標題 (Titles)	著者名 (Authors)	誌名 (Magazines)	巻 (Vol.)	号 (No.)	頁 (Pages)	(年) (Year)	論文種別 (Classif.)
Improvement of mobility and NBTI reliability in MOSFETs with ALD-Si-nitride/SiO ₂ stack dielectrics and p ⁺ -poly-Si gate	S. Zhu A. Nakajima T. Ohashi H. Miyake	2006 Int. Conf. on Solid State Devices and Materials			420-421	(2006)	原著
Cotunneling Current in Si Single-Electron Transistor Based on Multiple Islands	K. Ohkura T. Kitade A. Nakajima	the 2006 International Microprocesses and Nanotechnology Conference			166-167	(2006)	原著
Bias Temperature Instability in MOSFETs with Atomic-Layer-Deposited Si-Nitride/SiO ₂ Stack Gate Dielectrics	S. Zhu A. Nakajima T. Ohashi H. Miyake	8th Int. Conf. on Solid State and Integrated-Circuit Technology			1126-1128	(2006)	原著
High-aspect-ratio structure formation techniques for three-dimensional metal-oxide-semiconductor transistors	H. Sunami S. Matsumura K. Yoshikawa K. Okuyama	Microelectronic Engineering	83		1740-1744	(2006)	原著
Characterization of Subthreshold Behavior of Narrow-Channel SOI nMOSFET with Additional Side-Gate Electrodes	K. Okuyamam K. Yoshikawa H. Sunami	Extended Abstracts of International Symp. on Solid State Devices and Materials			506-507	(2006)	原著
Plasma-Doping Induced Damages Associated with Source/Drain Formation in Beam-Channel MOS Transistor on 1- μ m Thick SOI Substrate	K. Kobayashi K. Okuyama H. Sunami	Abstract of 32nd International Conference on Micro- and Nano-Engineering			493-494	(2006)	原著
Anomalous Whisker Generation in Ni-Silicided Source and Drain for Three-Dimensional Beam-Channel MOS Transistor on SOI Substrate	S. Matsumura A. Sugimura K. Okuyama H. Sunami	Abstract of Advanced Metallization Conference			90-91	(2006)	原著
新材料・新構造を導入し高集積化の壁を打破	角南英夫	日経マイクロデバイス		3月号	90-97	(2006)	総説
Evaluation of Bank based Multi-port Memory Architecture with Blocking Network	T. Inoue T. Hironaka T. Sasaki S. Fukae T. Koide H. J. Mattausch	Wiley, Systems & Computers in Japan	37	2	22-33	(2006)	原著
Boundary-Active-Only Adaptive Power-Reduction Scheme for Region-Growing Video Segmentation	T. Morimoto H. Adachi O. Kiriya T. Koide H.J. Mattausch	IEICE Trans. on Information & Systems	E89-D		1299-1302	(2006)	原著
HiSIM2: Toward Solving the Speed versus Accuracy Crisis in Circuit Simulation	H.J. Mattausch M. Miyake T. Yoshida S. Hazama D. Navarro N. Sadachika T. Ezaki M. Miura-Mattausch	IEEE Circuits and Devices Magazine	22	9	29-38	(2006)	原著
A Reliability-Enhanced TCAM Architecture with Associated Embedded DRAM and ECC	H. Noda K. Dosaka H.J. Mattausch T. Koide F. Morishita K. Arimoto	IEICE Trans. on Electronics	E89-C		1612-1619	(2006)	原著
Image Segmentation and Pattern Matching Based FPGA/ASIC Implementation of Real-Time Object Tracking	K. Yamaoka T. Morimoto H. Adachi T. Koide H.J. Mattausch	Proceedings of the Asia and South Pacific Design Automation Conference			176-181	(2006)	原著

論文の標題 (Titles)	著者名 (Authors)	誌名 (Magazines)	巻 (Vol.)	号 (No.)	頁 (Pages)	(年) (Year)	論文種別 (Classif.)
Efficient non-quasi-static MOSFET Model for both Time-Domain and Frequency-Domain Analysis	K. Machida D. Navarro M. Miyake R. Inagaki N. Sadachika T. Ezaki H.J. Mattausch M. Miura- Mattausch	Proceedings of the IEEE International Conference on Silicon Monolithic Integrated Circuits in RF Systems			73-76	(2006)	原著
Multi-Object Tracking VLSI Architecture using Image-Scan based Region Growing and Feature Matching	K. Yamaoka T. Morimoto H. Adachi K. Awane T. Koide H.J. Mattausch	Proc. IEEE Int. Symposium on Circuits and Systems			5575-5578	(2006)	原著
Minimum Euclidean Distance Associative Memory Architecture with Fully-Parallel Search Capability	Md. A. Abedin K. Kamimura A. Ahmadi T. Koide H.J. Mattausch	13th Workshop on Synthesis and System Integration of Mixed Information Technologies			350-354	(2006)	原著
Advanced Compact MOSFET Model HiSIM2 Based on Surface Potentials with a Minimum Number of Approximations	M. Miura- Mattausch D. Navarro N. Sadachika G. Suzuki Y. Takeda M. Miyake T. Warabino K. Machida T. Ezaki H.J. Mattausch T. Ohguro T. Iizuka M. Taguchi S. Kumashiro R. Inagaki S. Miyamoto	Proceedings of the 2006 NIST Nanotechnology Conference and Trade Show				(2006)	原著
A Learning OCR System Using Short/Long-term Memory Approach and Hardware Implementation in FPGA	A. Ahmadi M. A. Ritonga Md. A. Abedin H.J. Mattausch T. Koide	Proceedings of the 2006 IEEE Congress on Evolutionary Computation			2702-2708	(2006)	原著
Analysis and Compact Modeling of MOSFET High-Frequency Noise	T. Warabino M. Miyake N. Sadachika D. Navarro Y. Takeda G. Suzuki T. Ezaki M. Miura- Mattausch H.J. Mattausch T. Ohguro T. Iizuka M. Taguchi S. Kumashiro S. Miyamoto	Proceedings of the IEEE International Conference on Simulation of Semiconductor Processes and Devices				(2006)	原著
Multi-Bank Register File for Increased Performance of Highly-Parallel Processors	K. Johguchi K. Aoyama T. Sueyoshi H.J. Mattausch T. Koide M. Maeda T. Hironaka K. Tanigawa	Proceedings of the 32nd European Solid- State Circuits Conference			154-157	(2006)	原著

論文の標題 (Titles)	著者名 (Authors)	誌名 (Magazines)	巻 (Vol.)	号 (No.)	頁 (Pages)	(年) (Year)	論文種別 (Classif.)
Nearest Euclidean-Distance-Search Associative Memory Architecture with Fully Parallel Mixed Digital-Analog Match Circuitry	Md. A. Abedin Y. Tanaka A. Ahmadi T. Koide H.J. Mattausch	Extended Abstracts of the 2006 International Conference on Solid State Devices and Materials			282-283	(2006)	原著
Image-Scan Video Segmentation Architecture and FPGA Implementation	T. Morimoto H. Adachi K. Yamaoka K. Awane T. Koide H.J. Mattausch	Extended Abstracts of the 2006 International Conference on Solid State Devices and Materials			590-591	(2006)	原著
Surface-Potential-Based MOS-Varactor Model for RF Applications	M. Miyake N. Sadachika D. Navarro Y. Mizukane T. Ezaki M. Miura- Mattausch H.J. Mattausch T. Ohguro T. Iizuka M. Taguchi S. Kumashiro S. Miyamoto	Extended Abstracts of the 2006 International Conference on Solid State Devices and Materials			1044-1045	(2006)	原著
HiSIM-SOI: Complete Surface-Potential-Based Fully-Depleted SOI-MOSFET Model for Circuit Simulation	N. Sadachika D. Kitamaru Y. Uetsuji D. Navarro M. M. Yusoff T. Ezaki H.J. Mattausch M. Miura- Mattausch S. Baba	Proc. 2006 China-Ireland International Conference on Information and Communication Technologies			242-245	(2006)	原著
Noise Modeling Based on Self-Consistent Surface-Potential Description for Advanced MOSFETs aiming at RF Applications	T. Ezaki T. Warabino M. Miyake N. Sadachika D. Navarro H.J. Mattausch M. Miura- Mattausch T. Ohguro T. Iizuka M. Taguchi S. Kumashiro S. Miyamoto	Proceedings of the 8th International Conference on Solid-State and Integrated-Circuit Technology			1264-1267	(2006)	原著
Fully Parallel Associative Memory Architecture with Mixed Digital-Analog Match Circuit for Nearest Euclidean Distance Search	Md. A. Abedin Y. Tanaka A. Ahmadi T. Koide H.J. Mattausch	Proc. of the IEEE Asia Pacific Conference on Circuits and Systems			1311-1314	(2006)	原著
An FPGA-Based Region-Growing Video Segmentation System with Boundary-Scan-Only LSI Architecture	T. Morimoto H. Adachi K. Yamaoka T. Koide H.J. Mattausch	Proc. of the IEEE Asia Pacific Conference on Circuits and Systems				(2006)	原著
Application of Multi-ported CAM for Parallel Coding	T. Kumaki Y. Kouno M. Ishizaki T. Koide H.J. Mattausch	Proc. of the IEEE Asia Pacific Conference on Circuits and Systems				(2006)	原著
Unified Data/Instruction Cache with Hierarchical Multi-Port Architecture and Hidden Precharge Pipeline	K. Johguchi Z. Zhu H.J. Mattausch T. Koide T. Hironaka K. Tanigawa	Proc. of the IEEE Asia Pacific Conference on Circuits and Systems				(2006)	原著

論文の標題 (Titles)	著者名 (Authors)	誌名 (Magazines)	巻 号 (Vol.)	頁 (No.)	頁 (Pages)	(年) (Year)	論文種別 (Classif.)
Huffman Encoding Architecture with Self-Optimizing Performance and Multiple CAM-Match Utilization	M. Ishizaki T. Kumaki Y. Kouno T. Koide H.J. Mattausch Y. Kuroda T. Gyoten H. Noda K. Dosaka K. Arimoto K. Saito	Proc. of the IEEE TENCON		CA2.3		(2006)	原著
Access Queues for Multi-Bank Register Files Enabling Enhanced Performance of Highly Parallel Processors	Y. Mukuda K. Aoyama K. Johguchi H.J. Mattausch T. Koide M. Maeda T. Hironaka K. Tanigawa	Proc. of the IEEE TENCON		CA2.4		(2006)	原著
Physics-Based Photodiode Model Enabling Consistent Opto-Electronic Circuit Simulation	T. Ezaki G. Suzuki K. Konno O. Matsushima Y. Mizukane D. Navarro M. Miyake N. Sadachika H.J. Mattausch M. Miura- Mattausch	Proceedings of the 2006 IEEE International Electron Devices Meeting		187-190		(2006)	原著
Evaluation of discharge voltage in AC-PDP manufactured under the vacuum condition after MgO deposition	K. Uchida G. Uchida T. Kurauchi T. Terasawa H. Kajiyama T. Shinoda	Proceedings of The 13th International Display Workshops		347-350		(2006)	国際学会予稿集
Temporal evolution of optical emission spectra from alternating-current plasma display panel	G. Uchida H. Kajiyama T. shinoda	Proceedings of The 13th International Display Workshops		1131-1134		(2006)	国際学会予稿集

博士論文(Doctorial Dissertations)

論文題目(Titles)	著者名(Authors)	主査	副査	出版年
課程博士				
オブジェクトベース画像処理のためのリアルタイム画像分割LSIアーキテクチャの研究 (A Study on Real-Time Image Segmentation LSI Architectures for Object-Oriented Image Processing)	森本 高志	小出 哲士	岩田 穆 角南 英夫 マタウシュハンスユルゲン	(2006)
ロボット用高速通信・分散処理回路技術に関する研究 (A Study on High-Speed Communication Circuits and Distributed Control Systems for Robots)	汐崎 充	岩田 穆	吉川 公麿 マタウシュハンスユルゲン 佐々木 守	(2006)
Study on energetic electron beam generation by laser-driven plasma-based acceleration (レーザー励起プラズマ加速による高エネルギー電子ビーム生成に関する研究)	阿達 正浩	岡本 宏己	遠藤 一太 角屋 豊 小方 厚 小山 和義	(2006)
Simulation Study on the Three-Dimensional Dynamics of Flux Tube in the Solar Corona (太陽コロナにおけるフラックスチューブの3次元ダイナミクスに関するシミュレーション研究)	井上 諭	草野 完也	城 健男 小口 多美夫	(2006)
陽極酸化アルミナを用いたナノ材料の高密度配列の形成とその結晶配向性制御に関する研究 (Research on formation of high density arrays of nano-materials using AAO and improvement of their crystalline structure)	清水 智弘	高萩 隆行	角屋 豊 世良 正文 横山 新 新宮原 正三	(2006)
Theoretical Study on One-Dimensional Boson-Fermion Mixtures (一次元ボーズ・フェルミ混在系の理論的研究)	竹内 陽介	城 健男	小口 多美夫 高島 敏郎 森 弘之	(2006)
Hydrogen storage properties of lithium-nitrogen-hydrogen system (リチウム-窒素-水素系物質の水素貯蔵特性)	磯部 繁人	藤井 博信	高島 敏郎 小口 多美夫 宇田川 眞行 山中 昭司	(2006)
Studies on the coordinated regulation of cell morphogenesis and growth in fission yeast (分裂酵母の形態形成と細胞増殖との連携制御機構に関する研究)	金井 宗良	平田 大	宮川 都吉 山下 一郎	(2006)
Analysis of genomic structure of an aflatoxin biosynthesis homologous gene cluster in <i>Aspergillus oryzae</i> (麹菌 <i>Aspergillus oryzae</i> のアフラトキシン生合成遺伝子クラスターホモログのゲノム構造解析)	李 允恵	秋田 修	木梨 陽康 下飯 仁	(2006)
IV族半導体ナノ結晶の高密度形成と電気的特性に関する研究 (High-Density Formation of Group IV Semiconductor Nano-Crystal and Its Electrical Characterization)	牧原 克典	宮崎 誠一	角南 英夫 吉川 公麿 横山 新 東 清一郎	(2006)
量子ビットにおけるパルス制御を用いた緩和抑制に関する理論的研究 (Theoretical Study on Pulse Control of Decoherence in a Qubit)	村上 貴洋	高根 美武	高萩 隆行 小口 多美夫 角屋 豊	(2006)
Characterization of chitinases and chitin synthase involved in the interaction between chlorovirus and host cells (クロロウイルス-宿主間相互作用におけるキチナーゼとキチン合成酵素の役割に関する研究)	Ali Mohammed Mohammed Ali	山田 隆	木梨 陽康 小埜 和久	(2006)
Characterization of the genes involved in salt-resistance in eelgrass, <i>Zostera marina</i> L. (海洋性植物アマモの耐塩性に関する遺伝子の解析)	Abbas Alemzadeh	山田 隆	宮川 都吉 小埜 和久	(2006)
Analysis of Vp130, a structural protein of Chlorovirus interacting with host <i>Chlorella</i> cell wall (クロロウイルスの宿主認識タンパク質Vp130の解析)	鬼松 秀樹	山田 隆	木梨 陽康 加藤 純一	(2006)
MOSFET Modeling and Characterization at RF Switching (高周波帯域におけるMOSFETモデリングと動作解析)	Navarro, Dondee Serveza	三浦 道子	角南 英夫 マタウシュハンスユルゲン 江崎 達也 佐々木 守	(2006)

論文題目(Titles)	著者名(Authors)	主査	副査	出版年
レーザアニールによる半導体極浅接合の形成 (Formation of Ultrashallow Junction by Laser Annealing)	松野 明	芝原 健太郎	横山 新 宮崎 誠一 角南 英夫 東 清一郎 江崎 達也	(2006)
Characterization of Electrical Properties and Dielectric Breakdown of Hf-based High-k Dielectrics (ハフニウム系高誘電率絶縁膜の電気特性及び絶縁 破壊に関する研究)	裴 艶麗	宮崎 誠一	角南 英夫 吉川 公麿 横山 新	(2006)
高性能CAMベースマルチメディアデータ処理LSIアーキ テクチャの研究 (A Study on CAM Based High-Performance LSI Architecture for Multimedia Data Processing)	熊木 武志	小出 哲士	岩田 穆 角南 英夫 マウシュハンスユルゲン 佐々木 守	(2006)

論文博士

通性嫌気性細菌による水素生産に関する研究 (Studies on the production of hydrogen by facultative anaerobes)	伊藤 武志	西尾 尚道	小埜 和久 加藤 純一	(2006)
デバイス・シミュレーションのための金属半導体界面に おけるキャリア輸送の研究(Study of carrier transport at metal-semiconductor interface for device simulation)	松澤 一也	三浦 道子	角南 英夫 マウシュハンスユルゲン 宮崎 誠一 江崎 達也	(2006)
Suppression of Thermal Interface Degradation in High-k Gate Dielectrics/Silicon by Helium Process(ヘ リウムプロセスによるHigh-kゲート絶縁膜/シリコン界 面の熱劣化抑制)	村岡 浩一	宮崎 誠一	角南 英夫 吉川 公麿 横山 新	(2006)

著書(Published Books)

著書名(編集者)(Book Titles)	著者名(Authors)	発行所(Publisher)	発行年 (Year)	編・著・訳・分担執筆 等の区別
「熱電変換システムの高効率化・高信頼性化技術」 第1章 第4節 「充填スクッテルダイト」	G. A. Blair D. J. Miller J. F. Gunion Y. Sumino J. L. Feng M. M. Nojiri W. Kilian K. Meonig J. L. Hewett P. N. Burrows T. Takahashi D. Atwood A. Soni K. Fujii M. E. Peskin	技術情報協会	(2006)	分担執筆
「希土類の機能と応用」 第5章 エレクトロニクス機能 分野への応用「4. 熱電変換材料」	高島 敏郎 監修: 足立吟也	シーエムシー出版	(2006)	分担執筆
Carbon Based Magnetism - An overview of the magnetism of metal free carbon-based compounds and materials	K. Wakabayashi	Elsevier	(2006)	分担執筆
光学実務資料集第23章第10節「量子光学でしか扱え ない現象及び今後の展望とは」	角屋 豊	情報機構	(2006)	分担執筆
実験ノート 2000°C以上の高融点を有する希土類ホ ウ化物の単結晶育成, 固体物理 Vol. 41, No. 9, 594-596 (2006).	伊賀文俊	アグネ	(2006)	著書
「物理データ事典」(社)日本物理学会編集 編集委 員: 清水忠雄他, 第4章 量子物性 18. 磁性「18.3. 近藤物質」	伊賀文俊	朝倉書店	(2006)	分担執筆
Ca ²⁺ シグナルによる細胞周期制御	水沼 正樹 宮川 都吉	バイオサイエンスとイン ダストリー	(2006)	共著
電池革新が拓く次世代電源—微生物利用型バイオ燃 料電池の開発	柿菌 俊英	エヌ・ティー・エス	(2006)	共著
複合微生物系の産業利用と新産業創出(メタン発酵の 現状)	中島田 豊 西尾 尚道	シーエムシー	(2006)	分担執筆
バイオプロダクション	化学工学会バイオ 部会編	コロナ社	(2006)	分担執筆
環境バイオでなにができるか	加藤 純一, 環境バイオテクノロ ジー学会編	中西印刷	(2006)	分担執筆
Xanthophylls and Polyunsaturated Fatty Acids Produced by Marine Thraustochytrids	T. Aki T. Yamasaki M. Nanko M. Shinozaki S. Kawamoto K. Ono 編 C. T. Hou and J. F. Shaw	Biocatalysis and Biotechnology for Functional Foods and Industrial Products	(2006)	共著
麹菌の固体培養環境下での遺伝子発現とタンパク質 生産	岩下 和裕 他	シーエムシー出版	(2006)	共著
電子情報通信学会レクチャーシリーズ VLSI工学-基 礎・設計編-	岩田 穆	コロナ社	(2006)	著書
「VLSI工学—製造プロセス編—」(社)電子情報通信学 会編	角南英夫	コロナ社	(2006)	著書

特許 (Registered Patents)

発明の名称(Titles of the Invention)	発明者(全員) (Inventors)	出願国	特許番号 (Patent No.)	登録年月日 (Date of Registration)
パターンマッチング及びパターン認識システム、このシステムに用いられる連想メモリ装置、パターンマッチング及びパターン認識処理方法	マウシュ ハンス ユルゲン 小出哲士	KR	0548883	2006/1/25
最小マンハッタン距離検索連想メモリ装置	小出哲士 マウシュ ハンス ユルゲン 矢野祐二	KR	0549895	2006/1/31
最小マンハッタン距離検索連想メモリ装置	小出哲士 マウシュ ハンス ユルゲン 矢野祐二	TW	I254258	2006/5/1
半導体連想メモリ	マウシュ ハンス ユルゲン 行天隆幸	EP (DE FR GB IT)	1227497	2006/5/31
精製ダニアルルゲン	小埜和久 重田征子 和田武志	日本	3814675	2006/6/16
画像分割処理装置、画像分割処理方法及び画像分割処理集積化回路	小出哲士 マウシュ ハンス ユルゲン 森本高志 原田洋明	TW	I257589	2006/7/1
参照データ最適化学習方法とパターン認識システム	マウシュ ハンス ユルゲン 小出哲士 白川佳則	TW	I 258715	2006/7/21
最小マンハッタン距離検索連想メモリ装置	小出哲士 マウシュ ハンス ユルゲン 矢野祐二	US	7113416	2006/9/26
参照データ最適化装置とパターン認識システム	マウシュ ハンス ユルゲン 小出哲士 白川佳則	日本	3861157	2006/10/6