

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.)
Nonresonant Inelastic X-Ray Scattering Involving Excitonic Excitations: The Example of NiO and CoO	M. W. Haverkort A. Tanaka L. H. Tjeng G. A. Sawatzky	Phys. Rev. Lett.	99		257401(1-4)	(2007)	原著論文
Erratum: Antiferromagnetic superconductors with effective-mass anisotropy in magnetic fields	Y. Suginishi H. Shimahara	Physical Review B	75		099902 (1PAGE)	(2007)	原著論文
Ferroelectricity Driven by Y d ⁰ -ness with Rehybridization in YMnO ₃	D.-Y. Cho J.-Y. Kim B.-G. Park K.-J. Rho J.-H. Park H.-J. Noh B. J. Kim S.-J. Oh H.-M. Park J.-S. Ahn H. Ishibashi S.-W. Cheong J. H. Lee P. Murugavel T. W. Noh A. Tanaka T. Jo	Physical Review Letters	98		217601(1-4)	(2007)	原著論文
Fulde-Ferrell-Larkin-Ovchinnikov State in Heavy Fermion Superconductors	H. Shimahara	Journal of the Physical Society of Japan	76	5	051005 (16 PAGES)	(2007)	原著論文
A Proposal for Calculating the Orbital-Dependent Exchange-Correlation Potential by Means of the Virial Theorem	A. Narita M. Higuchi M. Kodera K. Higuchi	Journal of Physical Society of Japan	76		54302	(2007)	原著論文
A proposal of the approximate scheme for calculating the pair density	M. Higuchi K. Higuchi	Physica B: Condensed Matter	387		117	(2007)	原著論文
Comparison between the vorticity expansion approximation and the local density approximation of the CDFT from the viewpoint of sum rules	K. Higuchi M. Higuchi	Journal of Physics: Condensed Matter	19		365216	(2007)	原著論文
Comparisons of Piezoelectricities of Lead Zirconate Titanate for Various Phases by a First-Principles Method	Y. Okuno K. Kawato M. Suzuki A. Harada T. Oguchi	Japanese Journal of Applied Physics	46		5199-5204	(2007)	原著論文
Core-level electronic structure evolution of heavily boron-doped superconducting diamond studied with hard x-ray photoemission spectroscopy	T. Oguchi	Physical Review B	75		205117 (5 PAGES)	(2007)	原著論文
Density functional scheme for calculating the ground-state pair density	M. Higuchi M. Miyasita M. Kodera K. Higuchi	Journal of Magnetism and Magnetic Materials	310		990	(2007)	原著論文
Electronic properties of Y ₂ C ₃ by first-principles calculations	Y. Nishikayama T. Shishido T. Oguchi	Journal of the Physical Society of Japan	76		064714 (5 PAGES)	(2007)	原著論文
Evaluation of vorticity expansion approximation of current-density functional theory by means of Levy's asymptotic bound	M. Higuchi K. Higuchi	Physical Review B	75		195114	(2007)	原著論文
First-principles study on lithium and magnesium nitrides for hydrogen storage	T. Tsumuraya T. Shishido T. Oguchi	Journal of Alloys and Compounds	446-447		323-327	(2007)	原著論文

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Microscopic evidence for evolution of superconductivity by effective carrier doping in boron-doped diamond ^{11}B -NMR study	H. Mukuda T. Tsuchida A. Harada Y. Kitaoka T. Takenouchi Y. Takano M. Nagao I. Sakaguchi T. Oguchi H. Kawarada	Physical Review B	75		033301 (4PAGES)	(2007)	原著論文
New Practicable Forms for Exchange and Correlation Energy Functionals of the CDFT	K. Higuchi M. Higuchi	Journal of Magnetism and Magnetic Materials	310		1065	(2007)	原著論文
OEP Atomic-structure calculations with Moller-Plesset correlation and orbital polarization	A. Narita M. Higuchi M. Kodera K. Higuchi	Journal of Magnetism and Magnetic Materials	310		1623	(2007)	原著論文
Pair density-functional theory by means of the correlated wave function	M. Higuchi K. Higuchi	Physical Review B	75		42510	(2007)	原著論文
Simultaneous equations for calculating the ground-state pair density	M. Higuchi M. Miyasita M. Kodera K. Higuchi	Journal of Physics	19		365219	(2007)	原著論文
^9Be -NMR studies of the heavy-Fermion superconductor UBe_{13}	H. Tou N. Tsugawa M. Sera Y. Haga Y. Onuki	Journal of Magnetism and Magnetic Materials	310		706-708	(2007)	原著論文
Ce site substitution effect on the multipolar ordering in CeB_6	M. Sera M. Kawaguchi S. Kishimoto A. Kondo H. Iwakubo H. Tou K. Urneo F. Iga	Journal of Magnetism and Magnetic Materials	310		E158-E159	(2007)	原著論文
Comments on the Hidden Order in Phase IV of $\text{Ce}_x\text{La}_{1-x}\text{B}_6$	A. Kondo H. Tou M. Sera F. Iga	Journal of the Physical Society of Japan	76		013701(4pages)	(2007)	原著論文
Energy gap formation in the valence fluctuating compound CeIrSb probed by ^{121}Sb -NMR and NQR	Y. Kawasaki M. Izumi Y. Kishimoto T. Ohno H. Tou Y. Inaoka M. Sera K. Shigetoh T. Takabatake	Physical Review B	75	9	94410(4pages)	(2007)	原著論文
Magnetic rare-earth ion doping effect on phase IV of $\text{Ce}_{0.7}\text{La}_{0.3}\text{B}_6$	A. Kondo H. Tou M. Sera F. Iga T. Morie T. Sakakibara	Journal of Magnetism and Magnetic Materials	310		E160-E162	(2007)	原著論文
NMR studies of layered nitride superconductors	H. Tou M. Sera Y. Maniwa S. Yamanaka	International Journal of Modern Physics B	21	18-19	3340-3342	(2007)	原著論文
Rapid suppression of phase IV by Nd doping in $\text{Ce}_{0.7}\text{La}_{0.3}\text{B}_6$	A. Kondo H. Tou M. Sera F. Iga T. Sakakisara	Journal of the Physical Society of Japan	76	10	103708(1-4)	(2007)	原著論文

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Sb nuclear spin-lattice relaxation rate in filled skutterudite superconductor PrOs ₄ Sb ₁₂	Y. Inaoka H. Tou M. Sera H. Sugawara H. Sato	Journal of Magnetism and Magnetic Materials	310	596-598	(2007)	原著論文
Sb-NMR/NQR study of CeIrSb	Y. Kawasaki T. Tanaka M. Izumida Y. Kishimoto T. Ohno H. Tou Y. Inaoka M. Sera K. Shigetoh T. Takabatake	Journal of physics and Chemistry of Solids	68	2195-2198	(2007)	原著論文
Unusual suppression of low energy spin excitations near fermi level in AFe ₄ Sb ₁₂ (A = Ca, Sr, and Ba) probed by Sb-NQR	M. Matsumura G. Hyoudou M. Itoh H. Kato T. Nishioka E. Matsuoka H. Tou T. Takabatake M. Sera	Journal of the Physical Society of Japan	76	84716(1-8)	(2007)	原著論文
Hyperfine interactions in the heavy-fermion superconductor UBe ₁₃ : ⁹ Be NMR	H. Tou N. Tsugawa M. Sera H. Harima Y. Haga Y. Onuki	Journal of the Physical Society of Japan	76	024705(9pages)	(2007)	原著論文
Angle-resolved magnetization study of the multipole ordering in PrFe ₄ P ₁₂	佐藤 英和 榊原 俊郎 田山 孝 鬼丸 孝博 菅原 仁 佐藤 英行	Journal of Physical Society of Japan	76	64701	(2007)	原著論文
High-resolution photoemission study of the hybridization gap in the Kondo semiconductor CeRhAs	K. Shimada H. Hhigashiguchi K.Kobayashi E. Ikenaga M. Yabashi K. Tamasaku Y. Nishino D. Miwa T. Ishikawa T. Sasakawa T. Takabatake K. Shimada M. Arita H. Namatame M. Taniguchi S.-I. Tujimori Y. Saitoh A. Fujimori Y. Takata S. Shin	Journal of Magnetism and Magnetic Materials	310	e57-e58	(2007)	原著論文
Low-temperature thermoelectric properties of Yb ₁₄ MSb ₁₁ (M=Mn, Zn)	R. A. Ribeiro Y. Hadano S. Narazu K. Suekuni M. A. Avila T. Takabatake	J. Phys.: Condens Matter	19	376211	(2007)	原著論文
Magnetic-field tuning of the low-temperature state of YbNiSi ₃	S. L. Bud'ko P. C. Canfield M. A. Avila T. Takabatake	Phys. Rev. B	75	094433 (1-5)	(2007)	原著論文

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Muon Knight shift measurements on PrPb3 in paraquadrupolar state	伊藤 孝 髭本 亘 大石 一城 R. H. Herrner 西田 信彦 青木 勇二 鬼丸 孝博 鈴木 博之	Journal of Magnetism and Magnetic Materials	310	2	743-745	(2007)	原著論文
Neutron scattering study of magnetic ordering and excitations in the ternary rare-earth diborocarbide Ce11B2C2	鬼丸 孝博 中野渡 功 森永 礼 佐藤 卓	Physical Review B	76	18	184427	(2007)	原著論文
Pressure- and field-induced non-Fermi-liquid behaviors in a heavy-fermion antiferromagnet Ce7Ni3	K. Umeo T. Takabatake	J. Low Tem. Phys.	147		199-214	(2007)	原著論文
Quadrupolar ordered state at high fields in PrPb3	鬼丸 孝博 阿曾 尚文 K. Prokes 鈴木 博之 佐藤 卓 榊原 俊郎	Journal of Physics and Chemistry of Solids	68	11	2091-2094	(2007)	原著論文
Raman scattering of type-I clathrate compounds: A8Ga16Ge30(A = Eu Sr Ba) and Sr8Ga16Si30-xGex	K. Suekuni M. A. Avila T. Takabatake Y. Takasu T. Hasegawa N. Ogita M. Udagawa	Journal of Physics: Conference Series	92		12171	(2007)	原著論文
Raman scattering study of type-I clathrate compounds: A8Ga16Ge30 (A = Eu Sr Ba)	Takasu Hasegawa N. Ogita M. Udagawa M. A. Avila T. Takabatake	Journal of Magnetism and Magnetic Materials	310	2	954-956	(2007)	原著論文
Universal scaling in the dynamical conductivity of heavy fermion Ce and Yb compounds	H. Okamura T. Watanabe M. Matsunami T. Nishihara N. Tsujii T. Ebihara H. Sugawara H. Sato Y. Onuki Y. Isikawa T. Takabatake T. Nanba	J. Phys. Soc. Jpn.	76		023703 (1-5)	(2007)	原著論文
Elastic Properties of Eu8Ga16Ge30	I. Ishii H. Higaki S. Morita M. A. Avila T. Takabatake T. Suzuki	J. Magn. & Magn. Mat.	310		957-959	(2007)	原著論文
Development of a piston-cylinder pressure cell using nonmagnetic and high-yield strength alloys for a SQUID magnetometer	R. Nakai F. Nakamura T. Suzuki	J. Phys. Soc. Jpn.	76	SUPPL.	219-220 A	(2007)	原著論文
Pressure-induced Mott transition and related novel quantum phenomena in Ca2RuO4	F. Nakamura	J. Phys. Soc. Japan	76	SUPPL.	96-99 A	(2007)	原著論文
Development of 3-ns rise and fall time strip-line kicker for the International Linear Collider	T. Naito H. Hayano M. Kuriki N. Terunuma J. Urakawa	Nuclear Instruments and Methods in Physics Research Section A	571	3	599	(2007)	原著論文

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Thermal emittance measurements for electron beams produced from bulk and superlattice negative electron affinity photocathodes	N. Yamamoto M. Yamamoto M. Kuwahara R. Sakai T. Morino K. Tamagaki A. Mano A. Utsu S. Okumi T. Nakanishi M. Kuriki C. Bo T. Ujihara Y. Takeda	JOURNAL OF APPLIED PHYSICS	102	24904	(2007)	原著論文
High Sensitivity Detection of ATP using Bioluminescence at an Optical Fiber End	飯沼 昌隆 黒田 章夫 角屋 豊 牛尾 恭章	Trans. IEEE of Japan	10	127	1498-1503	(2007) 原著論文
Steering Beam of Charged Particles using Silicon Crystals	高橋 徹 飯沼 昌隆 Sergey Strokov 遠藤 一太 黒岩 洋敏 大西 健広 佐藤 博紀 澤田 真也 上田 敬太郎	Journal of the Physical Society of Japan	6	76	64007	(2007) 原著論文
結晶によるビーム操作	高橋 徹 飯沼 昌隆 澤田 真也 Sergey Strokov	加速器	3	354-363	(2007)	原著論文
Axial resonances of Ar ⁺ ions observed in a linear Paul trap	檜垣 浩之 伊藤 清一 高井 良太 中山 賢二 佐伯 涉 猪澤 健二 岡本 宏己	Hyperfine Interactions	174	77	(2007)	原著論文
Experimental strategy for realization of 3D beam ordering with use of tapered cooling at S-LSR	A. Noda M. Ikegami A. Smirnov H. Okamoto S. Fujimoto T. Shirai H. Souda M. Tanabe H. Tongu K. Noda I. Meshkov	Proc. HB2006 (39th ICFA Advanced Beam Dynamics Workshop)		231 - 235	(2007)	国際会議議事録
Formation of a symmetric vortex configuration in a pure electron plasma trapped with a penning trap	A. Sanpei K. Ito Y. Soga J. Aoki Y. Kiwamoto	Hyperfine Interactions	174	7*	(2007)	原著論文

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Nonlinear resonance effects in a linear Paul trap	R. Takai K. Nakayama W. Saiki K. Ito H. Okamoto	J. Phys. Soc. Jpn.	76	014802 (8 pages)	(2007)	原著論文
Properties of non-neutral electron plasmas confined with a magnetic mirror field	檜垣 浩之 伊藤 清一 佐伯 涉 大森 瑛祐 岡本 宏己	Physical Review E	75	66401	(2007)	原著論文
Visible Light and Ha Imaging of Mirror Confined Plasmas in the Central Cell of GAMMA 10	H. Higaki M. Ichimura Y. Yamaguchi H. Kawano Y. Higashizono Y. Nakashima M. Yoshikawa T. Cho	Transactions of Fusion Science and Technology	51	2T 361	(2007)	国際会議議事録
Averaged conductance of the three-edge Chalker-Coddington model	Y. Takane K. Wakabayashi	J. Phys. Soc. Jpn.	76	083710 (1-4)	(2007)	原著論文
Conductance of disordered wires with symplectic symmetry: Random-matrix approach and numerical simulation	H. Sakai K. Wakabayashi Y. Takane	AIP Conf. Proc.		735-736	(2007)	国際会議議事録
Conductance of disordered wires with unitary symmetry: Role of perfectly conducting channels	Y. Takane K. Wakabayashi	J. Phys. Soc. Jpn.	76	053701 (1-4)	(2007)	原著論文
Distribution of transmission eigenvalues in disordered wires with symplectic symmetry	H. Sakai K. Wakabayashi Y. Takane	J. Phys. Soc. Jpn.		034717 (6 PAGES)	(2007)	原著論文
Flying Superconducting Qubits	藤井 敏之 西田 宗弘 畠中 憲之 柴田 友也	IEEE Transactions on Applied Superconductivity	17	97-100	(2007)	国際会議議事録
Influence of charge and energy imbalances on the tunneling current through a superconductor-normal metal junction	Y. Takane	J. Phys. Soc. Jpn.	76	043701 (5 pages)	(2007)	原著論文
Perfectly Conducting Channel and Universality Crossover in Disordered Graphene Nanoribbons	K. Wakabayashi Y. Takane M. Sigrist	Phys. Rev. Lett.	99	036601(1)-036601(4)	(2007)	原著論文
The effect of dissipation on quantum transmission resonance	金野 幸吉 西田 宗弘 丹田 聡 畠中 憲之	Physics Letters A	368	442-449	(2007)	原著論文
Time dilation of a bound half-fluxon pair in a long Josephson junction with a ferromagnetic insulator	西田 宗弘 畠中 憲之 村田 京子 藤井 敏之	Physical Review Letters	99	20 207004	(2007)	原著論文
Accidental cloning of a single-photon qubit in two-channel continuous-variable quantum teleportation	T. Ide Holger F. Hofmann	Physical Review A	75	62311	(2007)	原著論文
Design parameters for a nano-optical Yagi-Uda antenna	Holger F. Hofmann T. Kosako Y. Kadoya	New Journal of Physics	9	217	(2007)	原著論文
Detection of terahertz waves using low-temperature-grown InGaAs with 1.56 μm pulse excitation	A. Takazato M. Kamakura T. Matsui J. Kitagawa Y. Kadoya	Applied Physics Letters	90	10 101119	(2007)	原著論文
High-photon-number path entanglement in the interference of spontaneously down-converted photon pairs with coherent laser light	Holger F. Hofmann T. Ono	Physical Review A	76	031806(R)	(2007)	原著論文

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Terahertz wave emission and detection using photoconductive antennas made on low-temperature-grown InGaAs with 1.56 μm pulse excitation	A. Takazato M. Kamakura T. Matsui J. Kitagawa Y. Kadoya	Applied Physics Letters	91	1	11102	(2007)	原著論文
Qualitative analysis of diamondlike carbon film by angle-resolved x-ray photoelectron spectroscopy	S. Takabayashi K. Motomitsu T. Takahagi A. Terayama K. Okamoto T. Nakatani	J. Appl. Phys.	101		103542(1-6)	(2007)	原著論文
Experimental Study of Temperatures of Atmospheric-Pressure Nonequilibrium Ar/N ₂ Plasma Jets and Poly(ethyleneterephthalate)-Surface Processing	T. Yuji Y. Suzaki T. Yamawaki H. Sakae H. Akatsuka	Jpn. J. Appl. Phys.	46	2	795-798	(2007)	原著論文
Immobilization of Gold Nanoparticles on Silanized Substrate for Sensors Based on Localized Surface Plasmon Resonance	S. Taue K. Nishida H. Sakae T. Takahagi	e-J. Surf. Sci. Nanotech.	5		39453	(2007)	原著論文
有機分子によるナノ構造の形成とその評価	鈴木 仁 山田 俊樹 田中 秀吉 三木 秀樹 上門 敏也 奥野 好成 益子 信郎	機能材料	27	3	39768	(2007)	総説論文
Characterization of titanium based catalysts in the Li-N-H hydrogen storage system by X-ray absorption spectroscopy	S. Isobe T. Ichikawa Y. Kojima H. Fujii	Journal of Alloys and Compounds	446-447	31	360-362	(2007)	原著論文
Direct formation of LiAlH ₄ by a mechanochemical reaction	Y. Kojima Y. Kawai T. Haga M. Matsumoto A. Koiwai	Journal of Alloys and Compounds	441	1-2	189-191	(2007)	原著論文
Gas emission properties of the MgHx-Zn(BH ₄) ₂ systems	T. Nakagawa T. Ichikawa Y. Kojima H. Fujii	MATERIALS TRANSACTIONS	48	3	556-559	(2007)	原著論文
Hydrogen desorption reactions of Li-N-H hydrogen storage system: Estimation of activation free energy	M. Matsumoto T. Haga Y. Kawai Y. Kojima	Journal of Alloys and Compounds	439	1-2	358-362	(2007)	原著論文
Hydrogen release of catalyzed lithium aluminum hydride by a mechanochemical reaction	Y. Kojima Y. Kawai M. Matsumoto T. Haga	Journal of Alloys and Compounds				(2007)	原著論文
Hydrogen storage properties in a composite of lithium hydride and boron nitride with hydrocarbon groups	H. Miyaoka T. Ichikawa Y. Kojima H. Fujii	Journal of Alloys and Compounds	446-447	31	39-43	(2007)	原著論文
Quantity of NH ₃ desorption from the Li-N-H hydrogen storage system examined by Fourier transform infrared spectroscopy	S. Hino T. Ichikawa K. Tokoyoda Y. Kojima H. Fujii	Journal of Alloys and Compounds	446-447	31	342-344	(2007)	原著論文

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Cage-size control of guest vibration and thermal conductivity in Sr ₈ Ga ₁₆ Si ₃₀ -xGex	K. Suekuni M.A. Avila K. Umeo T. Takabatake	Phys. Rev. B	75		195210	(2007)	原著論文
Easy-plane magnetocrystalline anisotropy in the multistep metamagnet CeIr ₃ Si ₂	K. Shigetoh A. Ishida Y. Ayabe T. Onimaru K. Umeo Y. Muro K. Motoya M. Sera T. Takabatake	Phys. Rev. B	76		184429	(2007)	原著論文
Pressure effects on the first order transition in MnFe(P,As) and MnFe(P,Ge)	H. Yabuta K. Umeo T. Takabatake L. Chen Y. Uwatoko	J. Magn. Magn. Mater.	310		1826-1828	(2007)	原著論文
Pressure-Induced Magnetic Phase Transitions in Yb-Based Heavy-Fermion Compounds	K. Umeo H. Kubo F. Nakamura Y. Haizaki K. Katoh A. Ochiai T. Takabatake	J. Phys. Soc. Jpn.	76	Supple.A	74-77	(2007)	国際会議議事録
Specific-Heat Measurement above 3 GPa using a Bridgman Anvil Cell	H. Kubo K. Umeo T. Takabatake	J. Phys. Soc. Jpn.	76	Supple.A	221-222	(2007)	国際会議議事録
Unusual pressure dependence of the multipolar interactions in CexLa _{1-x} B6	S. Ikeda K. Umeo H. Tou M. Sera F. Iga S. Kunii	J. Magn. Magn. Mater.	310		e163-e165	(2007)	国際会議議事録

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Characterization of a chitinase gene encoded by virus-sensitive Chlorella strains and expression during virus infection	Ali M. A. 川崎 健 山田 隆	Arab J Biotechnol	10	1	181-96	(2007)	原著論文
Genomic characterization of filamentous integrative bacteriophages phiRSS1 and phiRSM1 which infect Ralstonia solanacearum	川崎 健 永田 祥子 藤原 亜希子 薩摩英希 藤江 誠 宇佐美 昭二 山田 隆	J. Bacteriology	189	16	5792-5802	(2007)	原著論文
Monitoring of phytopathogenic Ralstonia solanacearum cells by a green fluorescence protein-expressing plasmid derived from bacteriophage phiRSS1	川崎 健 薩摩 英希 藤江 誠 宇佐美 昭二 山田 隆	J. Biosci. Bioeng.	104	6	451-456	(2007)	原著論文
New bacteriophages that infect the phytopathogen Ralstonia solanacearum.	山田 隆 川崎 健 永田 祥子 藤原 亜希子 宇佐美 昭二 藤江 誠	Microbiology	153		2630-2639	(2007)	原著論文

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A neural network model of the olfactory system of mice -computer simulation of an attention behavior of mice to some components in an odor	曾 智 辻 敏夫 滝口 昇 大竹 久夫	Proceedings of the Twelfth International Symposium on Artificial Life and Robotics Oita		110-115	(2007) 国際会議議事録

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Plasma-Enhanced Co-Polymerization of Organo-siloxane and Hydrocarbon for Low-k/Cu Interconnects	Jun Kawahara Akinori Nakano Nobutaka Kunimi Keizo Kinoshita Yoshihiro Hayashi Akira Ishikawa Yutaka Seino Tetsuro Ogata Yuzuru Sonoda Takenobu Yoshino Takashi Goto Syozo Takada Hidenori Miyoshi Hisanori Matsuo Takamaro Kikkawa	Japanese Journal of Applied Physics	46	7A	4064-4069	(2007)	原著論文
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Real-Time Huffman Encoder with Pipelined CAM-Based Data Path and Code-Word-Table Optimizer	T. Kumaki Y. Kuroda M. Ishizaki T. Koide H.J. Mattausch H. Noda K. Dosaka K. Arimoto K. Saito	IEICE Trans. on Information & Systems	E90-D		334-345	(2007)	原著論文
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論文題目(Titles)	著者名(Authors)	主査	副査	出版年
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Parametric X-ray Study from Textured Molybdenum Polycrystal (テキスチャー構造をもつモリブデン多結晶におけるパラメトリックX線発生の研究)	Nawang, Salasa Aguiwat	遠藤 一太	宇田川 眞行 岡本 宏己 高橋 徹	(2007)
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ゲート絶縁膜/IV族半導体界面における化学構造制御に関する研究 (Characterization and Control of Chemical Structures at the Interfaces Between Gate Dielectrics and Group IV Semiconductors)	中川 博	宮崎 誠一	角南 英夫 吉川 公麿 横山 新 東 清一郎	(2007)
加速器シミュレータとしての線形ポールトラップシステムの開発 (Development of a Linear Paul Trap System as a Beam-dynamics Simulator)	高井 良太	岡本 宏己	城 健男 角屋 豊 小方 厚	(2007)
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新規海洋微生物による機能性脂質の生産とその応用に関する研究 (Studies on the Production of Functional Lipids by New Marine Microorganism and Its Application)	山崎 隆志	小埜 和久	西尾 尚道 山田 隆 秋 庸裕	(2007)
Study on the chemical and biological properties of cycloalliin, a sulfur-containing compound in garlic (Allium sativum L.) (ニンニクの含硫化合物 cycloalliinに関する化学的及び生物学的研究)	市河 誠	小埜 和久	木梨 陽康 加藤 純一 秋 庸裕	(2007)
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Molecular Biological Studies on Chemosensory System in Pseudomonas aeruginosa (Pseudomonas aeruginosaの物質感知機能の分子生物学的研究)	金 慧恩	加藤 純一	山田 隆 黒田 章夫	(2007)
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Studies on the role of the AP-1 homolog Yap1p in the Ca ²⁺ -signal-mediated cell-cycle regulation in <i>Saccharomyces cerevisiae</i> (Ca ²⁺ シグナルによる出芽酵母細胞周期制御におけるAP-1様転写因子Yap1pの機能解析)	横山 博	宮川 都吉	山田 隆 平田 大	(2007)
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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
ビッグバンをつくりだせ～新型加速器リニアコライダーが宇宙誕生の瞬間にせまる～	高橋 徹 岩田 正義 天満 ふさ子	プレアデス出版	(2007)	共著
Physics of Zero- and One-Dimensional Nanoscopic Systems (Springer Series in Solid-State Sciences)	若林 克法	Springer-Verlag	(2007)	分担執筆
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特許 (Registered Patents)

発明の名称 (Titles of the Invention)	発明者(全員) (Inventors)	特許番号 (Patent No.)	出願国	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、k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認識処理方法	マシュー・ハンズユルゲン 小出 哲士	7203382	US	2007/4/10
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