

既刊研究報告(Published Papers)

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.)
Analytic Theory of Edge Modes in Topological Insulators	S. Mao Y. Kuramoto K.-I. Imura A. Yamakage	J. Phys. Soc. Jpn.	79		124709 (1-9)	2010	原著論文
Bound fluxon pair in one-dimensional SQUID array	M. Nishida T. Kanayama T. Nakajo T. Fujii N. Hatakenaka	Physica C	470	19	832-834	2010	国際会議議事録
Interfacial charge and spin transport in Z2 topological insulators	A. Yamakage K.-I. Imura J. Cayssol Y. Kuramoto	Phys. Rev. B	83		125401 (1-13)	2011	原著論文
Nonuniversal shot noise in isordered quantum wires with channel-number imbalance	Y. Takane	J. Phys. Soc. Jpn.	79	10	104706 (1-4)	2010	原著論文
Tunneling density of states in multilayer graphene deposited on a superconductor	Y. Takane	J. Phys. Soc. Jpn.	79	12	124706 (1-6)	2010	原著論文
高感度カンチレバー磁力計で永久電流を検出	高根美武	バリティ	26	1	76-79	2011	その他
Z2トポジカル絶縁体の3階建て理論	井村 健一郎	物性研究	94	6	677-713	2010	総説論文
Zigzag edge modes in a Z2 topological insulator: Reentrance and completely flat spectrum	K.-I. Imura A. Yamakage S. Mao A. Hotta Y. Kuramoto	Phys. Rev. B	82		085118 (1-18)	2010	原著論文
Weak measurement of photon polarization by back-action-induced path interference	Masataka Iinuma Yutaro Suzuki Gen Taguchi Yutaka Kadoya Holger F. Hofmann	New. J. Phys.	13	3	033041(1-12)	2011	原著論文
Improved sensitivity of terahertz detection by GaAs photoconductive antennas excited at 1560 nm	T. Kataoka K. Kajikawa J. Kitagawa Y. Kadoya Y. Takemura	Appl. Phys. Lett.	97	20	201110 (1-3)	2010	原著論文
Directional control of light by a nano-optical Yagi-Uda antenna	Terukazu Kosako Yutaka Kadoya Holger F. Hofmann	Nature Photonics	4	5	312-315	2010	原著論文
Analysis of experimental error sources in a linear-optics quantum gate	T. Nagata R. Okamoto H. F. Hofmann S. Takeuchi	New J. Phys.	12	4	043053	2010	原著論文
Dynamical Franz-Keldysh Effect in GaAs/AlGaAs Multiple Quantum Wells Induced by Single-Cycle Terahertz Pulses	K. Shinokita H. Hirori M. Nagai N. Satoh Y. Kadoya K. Tanaka	Appl. Phys. Lett.	97	21	211902 (1-3)	2010	原著論文
Efficient detection of THz pulses using low-temperature-grown GaAs photoconductive antennas excited at 1560 nm	Y. Kadoya K. Kajikawa T. Kataoka J. Kitagawa Y. Takemura	Conference Digest of the 35th International Conference on Infrared, Millimeter, and Terahertz Waves (IRMMW-THz 2010, Rome, Italy)			Prog. No.:Tu-P.18	2010	国際会議議事録
Enhancement of THz field in a gap of dipole antenna	Y. Kadoya H. Tanaka Y. Sugitani J. Kitagawa F. Blanchard H. Hirori A. Doi M. Nagai K. Tanaka	Conference Digest of the 35th International Conference on Infrared, Millimeter, and Terahertz Waves (IRMMW-THz 2010, Rome, Italy)			Prog. No.:We-P.52	2010	国際会議議事録

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Uncertainty limits for quantum metrology obtained from the statistics of weak measurements	H. F. Hofmann	Phys. Rev. A	83	2	022106	2011	原著論文
固定化したルシフェラーゼによる生物発光反応	田中龍太 高浜絵里子 飯沼昌隆 池田文 角屋豊 黒田章夫	電気学会論文誌C (IEEJ Trans EIS)	131	1	23-28	2011	原著論文
Activation energy of flipping behavior of porphyrin derivative molecule on Au(111)	H.Suzuki H.Yoshida H. Sakaue T. Takahagi S. Tanaka T. Kamikado A. Otomo	Abs 5th International Meeting on Molecular Electronics			326	2010	国際会議議事録
Controlled motion of dynein-microtubule system by patterned resist polymer	N. Ashikari Y. Shitaka H. Sakaue T. Takahagi H. Kojima K. Oiwa H. Suzuki	Abs. 9th International Conference on Nano-Molecular Electronics			83	2010	国際会議議事録
Flipping behavior of porphyrin derivative molecule on Au (111)	H.Suzuki H.Yoshida H. Sakaue T. Takahagi S. Tanaka T. Kamikado A. Otomo	Abs. 9th International Conference on Nano-Molecular Electronics			148	2010	国際会議議事録
Chemical Structures of Ge (111) Surface Treated by Hydrogen Halide Aqueous Solutions	Y. Nishiyama T. Takahagi H. Suzuki H. Sakaue	The 15th International Conf. on Solid Films and Surfaces (ICSFS-15, Beijing)	-	-	-	2010	国際会議議事録
Development of a new method to synthesize functionalized gold nanoparticles for labeling a protein	T. Kitai Y. Watanabe Y. Toyoshima T. Kobayashi T. Murayama H. Sakaue H. Suzuki T. Takahagi	The 15th International Conf. on Solid Films and Surfaces (ICSFS-15, Beijing)	-	-	-	2010	国際会議議事録
Differentiation Capability Evaluation of Osteoblast by Functionalized DLC Thin Films with Plasma Processing	Okamoto K Nakatani T Nitta Y Makihira S Iwata S Nikawa H Takahagi T	JOURNAL OF PHOTOPOLYMER SCIENCE AND TECHNOLOGY	23	4	591-594	2010	原著論文
Intrinsic and extrinsic x-ray absorption effects in soft x-ray diffraction from the superstructure in magnetite	C. F. Chang J. Schlappa M. Buchholz A. Tanaka E. Schierle D. Schmitz H. Ott R. Sutarto T. Willers P. Metcalf L. H. Tjeng C. Schuebler-Langeheine	Phys. Rev. B	83		073105 (1-4)	2011	原著論文
Large out-of-plane spin polarization in a spin-splitting one-dimensional metallic surface state on Si(557)-Au	T. Okuda K. Miyamoto Y. Takeichi H. Miyahara M. Ogawa A. Harasawa A. Kimura I. Matsuda A. Kakizaki T. Shishidou T. Oguchi	Phys. Rev. B	82	16	161419 (R) (1-4)	2010	原著論文

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Spin-Polarized AM05 Functional for 3d-Transition Metals	M. Kodera T. Shishidou T. Oguchi	J. Phys. Soc. Jpn.	79	7	074713 (1-4)	2010	原著論文
Sum rules for the exchange-correlation energy functional of the extended constrained-search theory: Application to checking the validity of the vorticity expansion approximation of the current-density functional theory	M. Higuchi K. Higuchi	Phys. Rev. A.	81		042505/1-8	2010	原著論文
Computational pair density functional theory: a proposal of the kinetic energy functional	K. Higuchi M. Higuchi	Phys. Rev. B.	82			2010	原著論文
A constraint on the approximate form of the kinetic energy functional of the pair density functional theory	M. Higuchi M. Miyasita K. Higuchi	Int. J. Quantum Chem.	110			2010	原著論文
Checking the validity of the Vorticity expansion approximation of the current-density functional theory	K. Higuchi M. Miyasita M. Higuchi	Int. J. Quantum Chem.	110			2010	原著論文
Stable Existence of Phase IV inside Phase II under Pressure in $Ce_{0.8}La_{0.2}B_6$	K. Kunimori H. Tanida T. Matsumura M. Sera F. Iga	J. Phys. Soc. Jpn.	79		073703(1-4)	2010	原著論文
Long-range order and low-energy magnetic excitations in $CeRu_2Al_{10}$	J. Robert J.-M. Mignot G. Andre T. Nishioka R. Kobayashi M. Matsumura H. Tanida D. Tanaka M. Sera	Phys. Rev. B	82		100404(1-4)	2010	原著論文
Pressure-induced antiferroquadrupole order in CeTe	Y. Kawarasaki T. Matsumura M. Sera A. Ochiai	J. Phys. Soc. Jpn.	80	2	023713 (1-4)	2011	原著論文
Anisotropic Transport Properties of $CeRu_2Al_{10}$	H. Tanida D. Tanaka M. Sera C. Moriyoshi Y. Kuroiwa T. Takesaka T. Nishioka H. Kato M. Matsumura	J. Phys. Soc. Jpn.	79		063709(1-4)	2010	原著論文
Existence of Fine Structure inside Spin Gap in $CeRu_2Al_{10}$	H. Tanida D. Tanaka M. Sera C. Moriyoshi Y. Kuroiwa T. Takesaka T. Nishioka H. Kato M. Matsumura	J. Phys. Soc. Jpn.	79		083701(1-4)	2010	原著論文
High-Field Magnetization of $CeRu_2Al_{10}$	A. Kondo J. Wang K. Kindo T. Takesaka Y. Kawamura T. Nishioka D. Tanaka H. Tanida M. Sera	J. Phys. Soc. Jpn.	79		073709(1-4)	2010	原著論文
Magnetization and Magnetoresistance of $CeRu_2Al_{10}$ under High Magnetic Fields along c-Axis	A. Kondo J. Wang K. Kindo T. Takesaka Y. Ogane Y. Kawamura T. Nishioka D. Tanaka H. Tanida M. Sera	J. Phys. Soc. Jpn.	80		013701(1-4)	2011	原著論文

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Possible Long-Range Order with Singlet Ground state in CeRu ₂ Al ₁₀	H. Tanida D. Tanaka M. Sera C. Moriyoshi Y. Kuroiwa T. Takesaka T. Nishioka H. Kato M. Matsumura	J. Phys. Soc. Jpn.	79		043708(1-4)	2010	原著論文
²⁷ Al NMR Study on CeRu ₂ Al ₁₀ Single Crystal: I. Determination of the NQR Parameters for Five Non-Equivalent Al Sites in the Paramagnetic Region	H. Tanida D. Tanaka M. Sera T. Nishioka H. Kato M. Matsumura H. Harima H. Yasuoka	J. Phys. Soc. Jpn.	80		013708(1-4)	2011	原著論文
Softening and the Longitudinal Phonon Mode along the [100] Direction in GdB ₆	K. Iwasa R. Igarashi K. Saito C. Laulhe T. Orihara S. Kunii K. Kuwahara H. Nakano Y. Murakami F. Iga M. sera S. Tsutsui H. Uchiyama AQR.Baron	Chinese J. Phys.	49		231-238	2011	原著論文
磁気八極子の観測に成功	松村武	バリテイ	25	6	38-40	2010	雑誌等論説
Anisotropic electronic structure of the Kondo semiconductor CeFe ₂ Al ₁₀ studied by optical conductivity	S. Kimura Y. Muro T. Takabatake	J. Phys. Soc. Jpn.	80	3	033702(1-4)	2011	原著論文
Anisotropic magnetoresistance and collapse of the energy gap in Yb _{1-x} LuxB ₁₂	F. Iga K. Suga K. Takeda S. Michimura K. Murakami T. Takabatake K. Kindo	J. Phys.: Conf. Ser.	200		012064(1-4)	2010	国際会議報告
Carrier doping in the type-VIII clathrate Ba ₈ Ga ₁₆ Sn ₃₀ through Sb substitution	Y. Kono N. Ohya Y. Saiga K. Suekuni T. Takabatake K. Akai S. Yamamoto	J. Electric Mater.	40	5	845-850	2011	原著論文
Effect of Al substitution on the thermoelectric properties of the type-VIII clathrate Ba ₈ Ga ₁₆ Sn ₃₀	S. K. Deng Y. Saiga K. Suekuni T. Takabatake	J. Electric Mater.	40	5	1124-1128	2011	原著論文
Electronic-structure-driven magnetic ordering in a Kondo semiconductor CeOs ₂ Al ₁₀	S. Kimura T. Iizuka H. Miyazaki A. Irizawa Y. Muro T. Takabatake	Phys. Rev. Lett.	106	5	056404(1-4)	2011	原著論文
Enhancement of thermoelectric efficiency in type-VIII clathrate Ba ₈ Ga ₁₆ Sn ₃₀ by Al substitution for Ga	S. Deng Y. Saiga K. Suekuni T. Takabatake	J. Appl. Phys.	108	7	073705(1-4)	2010	原著論文
Eu charge and atomic dynamics in Eu ₃ Pd ₂₀ Ge ₆ investigated by ¹⁵¹ Eu Mössbauer effect	S. Tsutsui Y. Kobayashi Y. Kobayashi S. Higashitaniguchi Y. Yoda M. Seto T. Takabatake	J. Phys.: Conf. Ser.	217	-	012123 (1-4)	2010	国際会議議事録

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First-principles study of type-I and type-VIII $\text{Ba}_8\text{Ga}_{16}\text{Sn}_{30}$ clathrates	Y. Kono N. Ohya T. Taguchi K. Suekuni T. Takabatake S. Yamamoto K. Akai	J. Appl. Phys.	107	12	123720 (1-6)	2010	原著論文
Interplay between thermoelectric and structural properties of type-I clathrate $\text{K}_9\text{Ga}_8\text{Sn}_{38}$ single crystal	T. Tanaka T. Onimaru K. Suekuni S. Mano H. Fukuoka S. Yamanaka T. Takabatake	Phys. Rev. B	81	16	165110 (1-6)	2010	原著論文
Long-range magnetic order in $\text{CeRu}_2\text{Al}_{10}$ studied via muon spin relaxation and neutron diffraction	D. D. Khalyavin A. D. Hiller D. T. Adroja A. M. Strydom P. Manuel L. C. Chapon P. Peratheepan K. Knight P. Deen C. Ritter Y. Muro T. Takabatake	Phys. Rev. B	82	10	100405(R) (1-4)	2010	原著論文
Long-range magnetic order in the quasicrystalline approximant Cd_5Tb	R. Tamura Y. Muro T. Hirota K. Nishimoto T. Takabatake	Phys. Rev. B	82	22	220201(R)(1- 7)	2010	原著論文
Long-range ordering of reduced magnetic moments in the spin-gap compound $\text{CeOs}_2\text{Al}_{10}$ as seen via muon spin relaxation and neutron scattering	D. T. Adroja A. D. Hiller P. P. Deen A. M. Strydom Y. Muro J. Kajino W. A. Kockelmann T. Takabatake	Phys. Rev. B	82	10	104405 (1-9)	2010	原著論文
Magnetic properties of gapless semiconductors: PbPdO_2 and $\text{PbPd}_{0.9}\text{Co}_{0.1}\text{O}_2$	K. J. Lee S. M. Choo J. B. Yoon K. M. Song Y. Saiga C.-Y. You N. Hur S. I. Lee T. Takabatake M. H. Jung	J. Appl. Phys.	107	9	09C306 (1- 3)	2010	原著論文
Magnetic properties of Mn and Co doped PbPdO_2	K. J. Lee S. M. Choo Y. Saiga T. Takabatake	J. Appl. Phys.	109	7	07C316(1-3)	2011	原著論文
New Phase Diagram of PrPb_3 in [100] Magnetic Field Direction	Y. Sato H. Morodomi K. Ienaga Y. Inagaki T. Kawae H. S. Suzuki T. Onimaru	Journal of the Physical Society of Japan	79		093708-1-4	2010	原著論文
Off-center modes and glasslike thermal conductivity in the type-I clathrate $\text{Ba}_8\text{Ga}_{16}\text{Sn}_{30}$	K. Suekuni Y. Takasu T. Hasegawa N. Ogita M. Udagawa M. A. Avila T. Takabatake	Phys. Rev. B	81	20	205207 (1-5)	2010	原著論文
Off-center rattling and cage vibration of the carrier-tuned type-I clathrate $\text{Ba}_8\text{Ga}_{16}\text{Ge}_{30}$ studied by Raman scattering	Y. Takasu T. Hasegawa N. Ogita M. Udagawa M. A. Avila K. Suekuni T. Takabatake	Phys. Rev. B	82	13	134302(1-7)	2010	原著論文

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Optical conductivity spectral anomalies in the off-center rattling system β -Ba ₈ Ga ₁₆ Sn ₃₀	T. Mori K. Iwamoto S. Kushibiki H. Honda H. Matsumoto N. Toyota M. A. Avila K. Suekuni T. Takabatake	Phys. Rev. Lett.	106	1	015501(1-4)	2011	原著論文
Optimization of thermoelectric properties of type-VIII clathrate Ba ₈ Ga ₁₆ Sn ₃₀ by carrier tuning	Y. Saiga K. Suekuni S. K. Deng T. Yamamoto Y. Kono N. Ohya T. Takabatake	J. Alloys and Compounds	507	1	1-5	2010	原著論文
Strongly correlated electronic states of Yb _{1-x} LuxB ₁₂ and Sm _{1-y} EuyB ₆ studied by highly bulk sensitive photoelectron spectroscopy	J. Yamaguchi A. Sekiyama S. Imada A. Higashiya K. Tamasaku M. Yabashi T. Ishikawa T. Ito S. Kimura F. Iga T. Takabatake S. Yeo S. -I. Lee H. -D. Kim S. Suga	J. Phys.: Conf. Ser.	200		012230 (1-4)	2010	国際会議報告
Structural modification and metamagnetic anomaly in the ordered state of CeOs ₂ Al ₁₀	Y. Muro J. Kajino K. Umeo K. Nishimoto R. Tamura T. Takabatake	Phys. Rev. B	81	21	214401 (1-6)	2010	原著論文
Ultrasonic investigation of a heavy fermion compound YbAgGe	Y. Nakanishi R. Kashiwazaki K. Deto F. Shichinomiya M. Nakamura H. Kubo K. Umeo T. Onimaru T. Takabatake M. Yoshizawa	Journal of Physics: Conference Series	273		012011-1-5	2011	原著論文
X-ray atomic orbital analysis of 4f and 5d electron configuration of SmB ₆ at 100,165, 230 and 298 K	S. Funahashi K. Tanaka F. Iga	Acta Crystallography B	66		292-306	2010	原著論文
μ + Diffusion in Cubic f-electron Compounds Observed by High Transverse Field μ +SR	T. U. Ito W. Higemoto K. Ohishi N. Nishida R. H. Heffner Y. Aoki H. S. Suzuki T. Onimaru H. Tanida S. Takagi	Journal of Physics: Conference Series	225		012021-1-6	2010	原著論文
カゴ状物質クラスレートの熱電・格子物性とラットリング	末國晃一郎 高畠敏郎	固体物理	45	8	403-411	2010	原著論文
Elastic modulus of cage compound PrRu ₂ Zn ₂₀	I. Ishii Y. Suetomi T.K. Fujita T. Onimaru K.T. Matsumoto Y.F. Inoue T. Takabatake T. Suzuki	J. Phys.: Conf. Ser.	273		012136(1-4)	2011	原著論文

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Pressure induced novel-phenomena in Mott insulator Ca ₂ RuO ₄	Yohei Yamauchi Fumihiko Nakamura Mariko Sakaki Tetsuo Takemoto Takashi Suzuki Patricia L. Alireza Yoshiteru Maeno	Physica C	470	-	S740-S741.	2010	原著論文
Charge Imbalance Relaxation Due to Pair Breaking Perturbation by magnetic field	Kazuki Tsuboi Ryuta Yagi	J. Phys. Soc. Jpn	79		13784	2010	原著論文
Effect of magnetic field on charge imbalance relaxation of Non-Equilibrium superconductivity	Kazuki Tsuboi Ryuta Yagi	Physica C	470		877	2010	原著論文
Magnetoresistance oscillation at charge neutrality point in monolayer graphene due to potential fluctuation	Ryuta Yagi Seiya Fukada Hiroaki Kobara Yumi Shintani Norio Ogita Masayuki Udagawa	J. of Phys. Conf. Ser.	232		012013	2010	原著論文
Negative magnetoresistance due to charge fluctuation in mono-layer graphene in magnetic field	Ryuta Yagi Seiya Fukada Hiroaki Kobara Norio Ogita Masayuki Udagawa	Physica E	42		673	2010	原著論文
グラフェンの磁気抵抗	八木隆多	固体物理	45		631	2010	雑誌等論説
Elastic Hardening at Novel Phase Transition in Cage Compound CeRu ₂ Al ₁₀	I. Ishii Y. Suetomi T.K. Fujita T. Takesaka T. Nishioka T. Suzuki	J. Phys. Soc. Jpn.	79		053602(1-4)	2010	原著論文
Strong Correlation among Structural, Electronic, and Magnetic Properties of Sr ₂ Fe _{1+x} Mo _{1-x} O ₆ (0 ≤ x ≤ 1)	K. Yoshida S. Ikeuchi H. Shimizu S. Okayasu T. Suzuki	J. Phys. Soc. Jpn.	80		044716(1-4)	2011	原著論文
Bioluminescent Reaction by Immobilized Luciferase	Ryuta Tanaka Eriko Takahama Masataka Iinuma Takeshi Ikeda Yutaka Kadoya Akio Kuroda	IEEJ Trans. EIS	131	1	23-28	2011	原著論文
Present status and first results of the final focus beam line at the KEK Accelerator Test Facility	P. Bambade T.Takahashi et.al.	Physical Review Special Topics Accelerators and Beams	13	4	042801-1 -- 042801-10	2010	原著論文
A Tank Circuit Monitoring a Large Number of Antiprotons in MUSASHI for the Production of Low Energy Antiproton Beams	H. Higaki N. Kuroda H. Imao Y.Nagata Y.Enomoto K.Michishio K.Kira C.H.Kim H. Okamoto M.Hori Y. Kanai A. Mohri H.A.Torii Y. Matsuda Y. Yamazaki	Proceedings of IPAC' 10, Kyoto, Japan	-	-	948-950	2010	国際会議議事録
Controlled Extraction of Ultracold Ions from a Linear Paul Trap for Nanobeam Production	K. Izawa K. Ito H. Higaki H. Okamoto	J. Phys. Soc. Jpn.	79	-	124502(8pages)	2010	原著論文
Coulomb Crystal Extraction from an Ion Trap for Application to Nano-Beam source	K. Ito K. Izawa H. Higaki H. Okamoto	Proc. 1st International Particle Accelerator Conf.	-	-	3622-3624	2010	国際会議議事録
Electrostatic Oscillations Observed in Non-Neutral Electron Plasmas Confined in a Magnetic Field Gradient	H. Higaki K. Ito H. Okamoto	Plasma Fusion Res.	5	-	029 (1-3)	2010	原著論文

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Experimental study of coherent betatron resonances with a Paul trap	S. Ohtsubo M. Fujioka H. Higaki K. Ito H. Okamoto H. Sugimoto S. M. Lund	.Phys. Rev. STAB	13		044201(12pages)	2010	国際会議議事録
Simulation study on coherent resonant instability of non-neutral plasmas confined in a linear Paul trap	H. Sugimoto K. Ito H. Okamoto S. M. Lund	Proc. 1st IPAC			4668 – 4670	2010	国際会議議事録
S-POD experiments of space-charge-dominated beam resonances	H. Okamoto S. Ohtsubo M. Fujioka K. Ito H. Sugimoto H. Higaki S. M. Lund	Proc. 1st IPAC			1339 – 1341	2010	国際会議議事録
DEVELOPMENT OF A PHOTOCATHODE TEST BENCH	D. Kubo M. Kuriki H. Iijima K. Ito C. Shonaka Y. Masumoto	Proc. 1st International Particle Accelerator Conf.	-	-	2326-2328	2010	国際会議議事録
Indirect transverse laser cooling of ions in a linear Paul trap	H. Sugimoto H. Okamoto	J. Phys. Soc. Jpn.	79	8	084501 (1 – 8)	2010	原著論文
Intra-beam scattering at low temperature range	P. Yu Z. He J. Wei A. M. Sessler H. Okamoto Y. Yuri	Proc. 1st IPAC			1943 – 1945	2010	国際会議議事録
Modeling of ultra-cold and crystalline ion beams	H. Okamoto H. Sugimoto Y. Yuri M. Ikegami J. Wei	Proc. ICAP'09 (invited paper)			151 – 156	2010	国際会議議事録
Optical measurement of transverse laser cooling with synchro-betatron coupling	M. Nakao T. Hiromasa H. Souda H. Tongu A. Noda K. Jimbo T. Shirai M. Grieser H. Okamoto A. V. Smirnov	Proc. 1st IPAC			858 – 860	2010	国際会議議事録
Status and challenges in beam crystallization	J. Wei P. Yu H. Okamoto Y. Yuri X.-P. Li A. M. Sessler	Proc. COOL'09			86 – 90	2010	国際会議議事録

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Transverse laser cooling by synchro-betaatron coupling	H. Souda M. Nakao T. Hiromasa H. Tongu A. Noda H. Okamoto A. V. Smirnov K. Jimbo M. Grieser T. Shirai	Proc. 1st IPAC			861 - 863	2010	国際会議事録
ビーム物理の世界へ近くて遠い隣の分野	岡本宏己 池上雅紀 陳栄浩 野田章 想田光 白井敏之 大見和史 羽島良一	プラズマ核融合学会誌	86	8	451 - 479	2010	総説論文
Dark-lifetime degradation of a GaAs photocathode at a higher temperature	M. Kuriki C. Shonaka D. Kubo H. Okamoto H. Higaki K. Ito M. Yamamoto T. Konomi S. Okumi M. Kuwahara T. Nakanishi	Nucl. Inst. & Meth. A	637		S87-S90	2010	原著論文
Mismatch Induced Oscillations of Space Charge Dominated Beams in a Uniform Focusing Channel	H. Higaki S. Fujimoto K. Fukata K. Ito M. Kuriki H. Okamoto J. Aoki	Proceedings of IPAC' 10, Kyoto, Japan	-	-	1336-1338	2010	国際会議事録
A STUDY OF LIFETIME OF NEA-GaAs PHOTOCATHODE AT VARIOUS TEMPERATURES*	H. Iijima C. Shonaka M. Kuriki D. Kubo Y. Masumoto	Proc. Of IPAC2010			TUPEC086	2010	国際会議事録
DEVELOPMENT OF A 500-KV PHOTO-CATHODE DC GUN FOR ERL LIGHT SOURCES	N. Nishimori R. Nagai R. Hajima M. Yamamoto Y. Honda T. Miyajima T. Muto H. Iijima M. Kuriki M. Kuwahara S. Okumi T. Nakanishi	Proc. Of Linac 2010			THP111	2010	国際会議事録

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Development of a high average power laser generating electron beams in ILC format for KEK-STF	M.Kuriki H. Iijima H. Hayano J. Urakawa H. Sugiyama Y. Honda E.Katin E. Khazanov V.Lozhkarev G.Luchinin A.Poteomkin G.Shirkov G. Trubnikov	Proc. Of IPAC2010			THPEC024	2010	国際会議議事録
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High brightness electron gun test facility at KEK	Masahiro Yamamoto Tsukasa Miyajima Yosuke Honda Kotaro Satoh Takashi Uchiyama Shunya Matsuba Yoshio Saitoh Masanori Kobayashi Yukinori Kobayashi Hiroshi Kawata Hiroki Kurisu Ryoichi Hajima Ryoji Nagai Nobuyuki Nishimori Masao Kuriki Hokuto Iijima Daisuke Kubo Makoto Kuwahara Shoji Okumi Tsutomu Nakanishi	Proc. Of PESP2010				2010	国際会議議事録

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Improvement of an S-band RF gun with a Cs2Te photocathode for the KEK-ATF	N. Terunuma A.Murata M.Fukuda K.Hirano Y.Kamiya T.Kii M.Kuriki R.Kuroda H. Ohgaki K.Sakaue M.Takano T.Takatomi J.Urakawa M.Washio Y.Yamazaki J.Yang i	Nucl. Inst. & Meth. A	613		1	2010	原著論文
Laser Driver for a photocathode of an electron linear accelerator	A. K. Potemkin E. I. Gacheva V.V. Zelenogorskii E.V.Katin I.E. Kozhevator V.V. Lozhkarev G.A. Luchinin D.E. Silin E.A.Khazanov G.V. Trbnikov G.D. Shirkov M. Kuriki J. Urakawa	Quantum Electronics		40 12	1123	2010	原著論文
L-band Photocathode RF Gun at KEK-STF	H. Sugiyama Y. Takahashi H. Hayano J. Urakawa S. Kashiwagi G. Isoyama T. Kato N. Sugimoto M. Kuriki	Journal of Physics: Conference Series			012015	2010	国際会議議事録

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RECENT PROGRESS IN THE ENERGY RECOVERY LINAC PROJECT IN JAPAN	S. Sakanaka, T. Agoh, A. Enomoto, S. Fukuda, K. Furukawa, T. Furuya, K. Haga, K. Harada, S. Hiramatsu, T. Honda, Y. Honda, K. Hosoyama, M. Izawa, E. Kako, T. Kasuga, H. Kawata, M. Kikuchi, H. Kobayakawa, Y. Kobayashi, T. Matsumoto, S. Michizono, T. Mitsuhashi, T. Miura, T. Miyajima, T. Muto, S. Nagahashi, T. Naito, T. Nogami, S. Noguchi, T. Obina, S. Ohsawa, T. Ozaki, H. Sasaki, S. Sasaki, K. Satoh, M. Satoh, M. Shimada, T. Shioya, T. Shishido, T. Suwada, T. Takahashi, Y. Tanimoto, M. Tawada, M. Tobiyama, K. Tsuchiya, T. Uchiyama, K. Umemori, S. Yamamoto, R. Hajima, H. Iijima, N. Kikuzawa, E. J. Minehara, R. Nagai, N. Nishimori, M. Sawamura, N. Nakamura, A. Ishii, I. Ito, T. Kawasaki, H. Kudoh, H. Sakai, T. Shibuya, K. Shinoe, T. Shiraga, H. Takaki, M. Katoh, M. Kuriki, D. Yoshitomi, Y. Kobayashi, K. Torizuka , H. Hanaki	Proc. Of IPAC2010			TUPE091	2010	国際会議事録
Ab initio study on the hydrogen desorption from MH-NH ₃ (M = Li, Na, K) hydrogen storage systems	Yamane, A Shimojo, F Kozo Hoshino Takayuki Ichikawa Yoshitsugu Kojima	JOURNAL OF CHEMICAL PHYSICS	134	12	124515	2011	原著論文
Activation of Ammonia Borane Hybridized with Alkaline-Metal Hydrides: A Low-Temperature and High-Purity Hydrogen Generation Material	Zhang Yu Shimoda Keiji Takayuki Ichikawa Yoshitsugu Kojima	JOURNAL OF PHYSICAL CHEMISTRY C	114	34	14662-14664	2010	原著論文
Anomalous hydrogen absorption on non-stoichiometric iron-carbon compound	Miyaoka Hiroki Takayuki Ichikawa Fujii Tatsuo Ishida Wataru Isobe Shigehito Fuji Hironobu Yoshitsugu Kojima	JOURNAL OF ALLOYS AND COMPOUNDS	507	2	547-550	2010	原著論文
Catalytic effect of ATiO ₃ (A=Sr, Ba) on ammonia decomposition during mechanical milling	Biswajit Paik Masami Tsubota Takayuki Ichikawa Yoshitsugu Kojima	Chemical Communications	46	22	3982-3984	2010	原著論文

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Crystal structure and dynamics of Mg(ND ₃) ₆ Cl-2	Sorby, Magnus H Lovvik, Ole Martin Tsubota Masami Takayuki Ichikawa Yoshitsugu Kojima Hauback, Bjorn C	PHYSICAL CHEMISTRY CHEMICAL PHYSICS	13	7	7644-7648	2011	原著論文
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Hydrogen Desorption Reaction between Hydrogen-Containing Functional Groups and Lithium Hydride	宮岡 裕樹 Takayuki Ichikawa Hironobu Fujii Yoshitsugu Kojima	JOURNAL OF PHYSICAL CHEMISTRY C	114	18	8668-8674	2010	原著論文
Hydrogen Exchange Effect in MgH ₂ -LiBH ₄ System	L. Zeng H. Miyaoka Takayuki Ichikawa Yoshitsugu Kojima	Materials Science Forum		654-656	2855	2010	原著論文
Hydrogen generation by electrolysis of liquid ammonia	Hanada Nobuko Hino, Satoshi Takayuki Ichikawa Suzuki, Hiroshi Takai, Kenichi Yoshitsugu Kojima	CHEMICAL COMMUNICATIONS	46	41	7775-7777	2010	原著論文
Hydrogen Storage Properties of Lithium Silicon Alloy Synthesized by Mechanical Alloying	Koichi Doi Satoshi Hino Hiroki Miyaoka Takayuki Ichikawa, Yoshitsugu Kojima	Journal of Power Sources		196	504-507	2010	原著論文
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Raman scattering of hydrogen storage material LiNH ₂	Michigoe, Akitaka Hasegawa, Takumi Ogita, Norio Udagawa, Masayuki Tsubota, Masami Takayuki Ichikawa Yoshitsugu Kojima Isobe, Shigehito	CHINESE JOURNAL OF PHYSICS	49	1 Sp. Iss. SI	294-300	2011	原著論文
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Structural and thermal gas desorption properties of metal aluminum amides	Taisuke Ono Keiji Shimoda Masami Tsubota Satoshi Hino Kenichi Kojima Takayuki Ichikawa Yoshitsugu Kojima	Journal of Alloys and Compounds		506	297-301	2010	原著論文
Superior Hydrogen Exchange Effect in MgH ₂ -LiBH ₄ System	Liang Zeng Hiroki Miyaoka Takayuki Ichikawa Yoshitsugu Kojima	Journal of Physical Chemistry C	114	30	13132-13135	2010	原著論文
Synthesis and characterization of lithium-carbon compounds for hydrogen storage	Miyaoka, Hiroki Ishida, Wataru Takayuki Ichikawa Yoshitsugu Kojima	JOURNAL OF ALLOYS AND COMPOUNDS	509	3	719-723	2011	原著論文

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Thermodynamic Characterization on Hydrogen Absorption and Desorption Reactions of Lithium-Silicon Alloy	Koichi Doi Satoshi Hino Hiroki Miyaoaka Takayuki Ichikawa Yoshitsugu Kojima	Materials Science Forum		654-656	2815	2010	原著論文
In-situ High-resolution Observation for Decomposition of NaAlH ₄	H. Kawasaki S. Ohnuki T. Suda N. Hashimoto Yoshitsugu Kojima	Materials Science Forum		654- 656,	2935	2010	原著論文
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アンモニアボランを用いた水素貯蔵	宮岡裕樹 小島 由継	セラミックス		46	191-195	2011	原著論文
Thermal decomposition studies of [Ni(NH ₃)(6)]X-2 (X = Cl, Br) in the solid state using TG-MS and TR-XRD	Rejitha, K. S Takayuki Ichikawa Mathew, S.	JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY	103	2	515-523	2011	原著論文
Multiple magnetic transitions in a frustrated heavy-fermion antiferromagnet YbAgGe under magnetic field and pressure	H. Kubo K. Umeo K. Katoh A. Ochiai T. Takabatake	J. Phys. Soc. Jpn.	79	3	064715 (1-5)	2010	原著論文

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The <i>Chlorella variabilis</i> NC64A genome reveals adaptation to photosymbiosis, coevolution with viruses, and cryptic sex	G. Blanc G. Duncan I. Agarkova M. Borodovsky J. Gurnon A. Kuo E. Lindquist S. Lucas J. Pangilinan J. Polle A. Salamov A. Terry T. Yamada D. Dunigan I. Grigoriev J.-M. Claverie J. L. Van Etten	The Plant Cell	22	9	2943-2955	2010	原著論文
「バイオナノモーターとしての植物ミオシン」	藤江 誠	生物工学会誌	88	6	304	2010	総説論文
Anti-hyperuricemic effect of fermented barley extract is associated with increased urinary uric acid excretion.	H. Hokazono T. Omori K. Ono	Food Sci. Technol. Res.	16	4	295-304	2010	原著論文
Effects of fermented barley extract in subjects with slightly high serum uric acid or mild hyperuricemia.	H. Hokazono T. Omori T. Yamamoto I. Akaoka K. Ono	Biosci. Biotechnol. Biochem.	74	4	823-834	2010	原著論文
Hydrolyzed Konjac glucomannan suppresses IgE production in mice B cells.	H. Suzuki S. Oomizu Y. Yanase N. Onishi K. Uchida S. Mihara K. Ono Y. Kameyoshi M. Hide	Int. Arch. Allergy Immunol.	152	2	122-130	2010	原著論文

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アレルギーワクチンの創製	秋 庸裕 河本正次 小埜和久	化学と生物	48	7	453-455	2010	雑誌等論説
Metabolism and synthesis of lipids in the polyunsaturated fatty acid-producing fungus <i>Mortierella alliacea</i> .	W. Jermsuntiea T. Aki S. Kawamoto K. Ono	J. Oleo Sci.	60	1	11-17	2011	原著論文
Molecular cloning and immunochemical characterization of a new Japanese cedar pollen allergen homologous to plant subtilisin-like serine protease.	A. R. N. Ibrahim S. Kawamoto K. Mizuno Y. Shimada S. Rikimaru N. Onishi T. Aki K. Ono	World Allergy Organization J.	3	11		2010	原著論文
Molecular cloning and immunochemical characterization of a novel major Japanese cedar pollen allergen belonging to the aspartic protease family.	A.R.N. Ibrahim S. Kawamoto T. Aki Y. Shimada S. Rikimaru N. Onishi E. E. Babiker I. Oiso K. Hashimoto T. Hayashi K. Ono	Int. Arch. Allergy Immunol.	152	3	262-265	2010	原著論文
Purification and characterization of intracellular lipase from the polyunsaturated fatty acid-producing fungus <i>Mortierella alliacea</i> .	W. Jermsuntiea T. Aki R. Toyoura K. Iwashita S. Kawamoto K. Ono	New Biotechnol.	28	2	158-164	2011	原著論文
Enhanced production of squalene in the thraustochytrid <i>Aurantiochytrium mangrovei</i> by medium optimization and treatment with terbinafine	K.W. Fan T. Aki F. Chen Y. Jiang	World J. Microbiol. Biotechnol.	26	7	1303-1309	2010	原著論文
Optimization of nitrogen source for enhanced production of squalene from thraustochytrid <i>Aurantiochytrium</i> sp.	G. Chen K.W. Fan F.P. Lu Q. Li T. Aki F. Chen Y. Jiang	New Biotechnol.	27	4	382-389	2010	原著論文
メタボも免疫病？	河本正次	生物工学会誌	88	8	412	2010	雑誌等論説

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Different consequences of reactions with hydrogen peroxide and t-butyl hydroperoxide in the hyperoxidative inactivation of rat peroxiredoxin-4	Y. Ikeda M. Nakano H. Ihara R. Ito N. Taniguchi J. Fujii	Journal of Biochemistry	149	4	443-453	2011	原著論文
The Lectin Riddle: Glycoproteins Fractionated from Complex Mixtures Have Similar Glycomic Profiles Nakano M, Lee A, Hincapie M, Kolarich D, Baker M, Hancock W, Packer N	M. Nakano A. Lee M. Hincapie D. Kolarich M. Baker W. Hancock N. Packer	OMICS A Journal of Integrative Biology	14	4		2010	原著論文
N-Glycosylation engineering of lepidopteran insect cells by the introduction of the beta1,4-N-acetylglucosaminyltransferase III gene	T. Okada H. Ihara R. Ito M. Nakano K. Matsumoto Y. Yamaguchi N. Taniguchi Y. Ikeda	Glycobiology	20	9	487-499	2010	原著論文
Identification of a Novel Type of CA19-9 Carrier in Human Bile and Sera of Cancer Patients: An Implication of the Involvement in Nonsecretory Exocytosis	N. Uozumi C. Gao T. Yoshioka M. Nakano K. Moriwaki T. Nakagawa T. Matsuda M. Tanabe E. Miyoshi	J. Proteome Res.	9	12	1147-1159 6345-6353	2010	原著論文
Selective detection of antigen-antibody reaction using Si ring optical resonators.	M. Fukuyama S. Yamatogi H. Ding M. Nishida C. Kawamoto Y. Amemiya T. Ikeda T. Noda S. Kawamoto K. Ono A. Kuroda S. Yokoyama	Jpn. J. Appl. Phys.	49	4	04DL09-1- 04DL09-4	2010	原著論文

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Bacterial phosphate metabolism and its application to phosphorus recovery and industrial bioprocesses.	R. Hirota A. Kuroda J. Kato H. Ohtake	J. Biosci. Bioeng.	109	5	423-432	2010	総説論文
Electron microscopic analysis of heat-induced leakage of polyphosphate from a phoU mutant of Escherichia coli.	H. Kashihara B. Mun Kang T. Omasa K. Honda Y. Sameshima A. Kuroda H. Ohtake	Biosci. Biotechnol. Biochem.	74	4	865-868	2010	原著論文
Production of 2-deoxyribose 5-phosphate from fructose to demonstrate a potential of artificial bio-synthetic pathway using thermophilic enzymes.	K. Honda S. Maya T. Omasa R. Hirota A. Kuroda H. Ohtake	J. Biotechnol.	148	4	204-207	2010	原著論文
Single-step affinity purification of recombinant proteins using the silica-binding Si-tag as a fusion partner.	T. Ikeda K. Ninomiya R. Hirota A. Kuroda	Protein Expr. Purif.	71	1	91-95	2010	原著論文
Sake lees fermented with lactic acid bacteria prevents allergic rhinitis-like symptoms and IgE-mediated basophil degranulation	S. Kawamoto M. Kaneoke K. Ohkouchi Y. Amano Y. Takaoka K. Kume T. Aki K. Watanabe M. Kadowaki D. Hirata K. Ono	Biosci. Biotechnol. Biochem.	75	1	140-144	2011	原著論文
Calcineurin ensures a link between the DNA replication checkpoint and microtubule-dependent polarized growth	Kazunori Kume Takayuki Koyano Muneyoshi Kanai Takashi Toda Dai Hirata.	Nature Cell Biology	13	3	234-242	2011	原著論文
Fission yeast Germinal Center (GC) kinase Ppk11 interacts with Pmo25 and plays an auxiliary role in concert with the morphogenesis Orb6 network (MOR) in cell morphogenesis	Testuya Goshima Kazunori Kume Takayuki Koyano Yoshikazu Ohya Takashi Toda Dai Hirata	J. Biol. Chem.	285	45	35196-35205	2010	原著論文
Search for kinases related to transition of growth polarity in fission yeast	Takayuki Koyano Kazunori Kume Manabu Konishi Takashi Toda Dai Hirata	Biosci. Biotechnol. Biochem.	74	5	1129-1133	2010	原著論文
The mitosis-to-interphase transition is coordinated by cross talk between the SIN and MOR pathways in Schizosaccharomyces pombe	Samriddha Ray Kazunori Kume Sneha Gupta Wanzhong Ge Mohan Balasubramanian Dai Hirata Dannel McCollum.	J. Cell Biol.	190	5	793-805	2010	原著論文
分裂酵母の2つのHippo関連経路のクロストーク (Cross talk between the SIN and MOR pathways in fission yeast)	久米一規 五島徹也 平田大	実験医学	29	3	445-448	2011	雑誌等論説
Characterization of the biosynthetic gene clusters located on the Streptomyces linear plasmid	K. Arakawa	Actinomycetologica	24	1	24-30	2010	総説論文
Crystal structure of the synergistic antibiotic pair, lankamycin and lankacidin, in complex with the large ribosomal subunit	M. J. Belousoff T. Shapira A. Bashan E. Zimmerman H. Rozenberg K. Arakawa H. Kinashi A. Yonath	Proc. Natl. Acad. Sci. USA	108	7	2717-2722	2011	原著論文

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Regulation of lankamycin biosynthesis in <i>Streptomyces rochei</i> by two SARP genes, <i>srrY</i> and <i>srrZ</i>	T. Suzuki S. Mochizuki S. Yamamoto K. Arakawa H. Kinashi	Biosci. Biotechnol. Biochem.	74	4	819-827	2010	原著論文
The biosynthesis of 3-amino-5-hydroxybenzoic acid (AHBA), the precursor of mC7N-units in ansamycin and mitomycin antibiotics – A review	H. G. Floss, T.-W. Yu K. Arakawa	J. Antibiot.	64	1	35-44	2011	総説論文
土の中に潜む放線菌生物資源の発掘	荒川賢治	生物工学会誌	89	2	82	2011	雑誌等論説
Fission yeast Pot1 and RecQ helicase are required for efficient chromosome segregation.	K. Takahashi R. Imano T. Kibe H. Seimiya Y. Muramatsu N. Kawabata G. Tanaka Y. Matsumoto T. Hiromoto Y. Koizumi N. Nakazawa M. Yanagida M. Yukawa E. Tsuchiya M. Ueno.	Mol Cell Biol.	31	3	495-506	2011	原著論文
Brewer's yeast cell wall affects microbiota composition and decreases <i>Bacteroides fragilis</i> populations in an anaerobic gut intestinal model	Y. Nakashimada A. Michinaka K. Watanabe N. Nishio T. Fujii	Journal of Bioscience and Bioengineering	111	2	178-184	2011	原著論文
Improved methane fermentation of chicken manure via ammonia removal by biogas recycle	F. Abouelenien W. Fujiwara Y. Namba M. Kosseva N. Nishio Y. Nakashimada	Bioresource Technology	101	16	6368-6373	2010	原著論文
Pathway of 17 β -estradiol degradation by <i>Nitrosomonas europaea</i> and reduction in 17 β -estradiol-derived estrogenic activity.	S. Nakai A. Yamamura S. Tanaka J.-H. Shi M. Nishikawa Y. Nakashimada M. Hosomi	Environmental Chemistry Letters	9	1	1-6	2011	原著論文
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嫌気性水素資化性菌による有用物質生産の可能性	中島田豊	バイオサイエンスとインダストリー	69	1	21-25	2011	総説論文
微生物を使って水素からモノづくり	中島田豊	水素エネルギーシステム	35	4	81-82	2010	総説論文
バイオディーゼル廃液からのバイオマテリアル/燃料発酵生産	中島田豊 西尾尚道	ケミカルエンジニアリング	55	7	46-51	2010	総説論文
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清酒酵母の一倍体の取得と実験室酵母との交配による醸造特性の遺伝解析	加藤拓 下飯仁	醸造協会誌	105	8	500-506	2010	総説・解説
The impact of the overexpression of human UDP-galactose transporter gene hUGT1 in tobacco plants.	M.F.M. Khalil H. Kajiura K. Fujiyama K. Koike N. Ishida N. Tanaka	J. Biosci. Bioeng.	109	2	159-169	2010	原著論文

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Interconnect design challenges in nano CMOS circuit	K. Masu S. Amakawa H. Ito N. Ishihara	Key Engineering Materials	470		224-230	2011	総説論文
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Characterization of Mg Diffusion into HfO ₂ /SiO ₂ /Si(100) Stacked Structures and Its Impact on Detect State Densities	A. Ohta D. Kanme H. Murakami S. Higashi S. Miyazaki	2010 Asia-Pacific Workshop on Fundamentals and Applications of Advanced Semiconductor Devices (AWAD)			7A.6	2010	国際会議議事録
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Formation of High Density Pt Nanodots on SiO2 Induced by Millisecond Rapid Thermal Annealing using Thermal Plasma Jet	K. Makihara K. Matsumoto T. Okada N. Morisawa M. Ikeda S. Higashi S. Miyazaki	International Symposium on Dry Process (DPS2010)				2010	国際会議議事録
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Study on Native Oxidation of Ge (111) and (100) Surfaces	S. K. Sahari H. Murakami T. Fujioka T. Bando A. Ohta K. Makihara S. Higashi S. Miyazaki	2010 International Conference on Solid State Devices and Materials (SSDM)			P-1-13 pp.209-210	2010	国際会議議事録
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Formation of PtAl Nanodots Induced by Remote Hydrogen Plasma", International Symposium on Technology Evolution for Silicon Nano-Electronics	K. Makihara R. Ashihara M. Ikeda A. Ohta N. Morisawa T. Fujioka H. Murakami S. Miyazaki	International Symposium on Technology Evolution for Silicon Nano-Electronics (ISTESNE)			p. 73	2010	原著論文
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116GHz CMOS injection locked oscillator with -99.3dBc/Hz at 1MHz offset phase noise	M. Motoyoshi M. Fujishima	2010 Asia-Pacific Microwave Conference Proceedings (APMC)	-	-	786-789	2010	国際会議議事録
D-band 3.6-dB-insertion-loss ASK modulator with 19.5-dB isolation in 65-nm CMOS technology	U. Yodprasit R. Fujimoto M. Motoyoshi K. Takano M. Fujishima	2010 Asia-Pacific Microwave Conference Proceedings (APMC)	-	-	1853 - 1856	2010	国際会議議事録
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Modeling of Local Self-Heating Effect and Effective Temperature for Device Characteristics	M. Miyake T. Kajiwara H. Kikuchi-hara U. Feldmann H. J. Mattausch M. Miura-Mattausch	Proc. the 8th Int'l Workshop on Compact Modeling (IWCM)			59-63	2011	国際会議議事録
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32GS/s Ultra-high-speed UWB Sampling Circuit for Portable Imaging System	Akihiro Toya Nobuo Sasaki Shinichi Kubota Takamaro Kikkawa	Electronics Letters	49	3		2011	原著論文
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Reduction in Operation Voltage of Silicon Ring Optical Modulator Using High-k (Ba,Sr)TiO ₃ Cladding Layer	Y. Amemiya M. Nishida S. Yokoyama	Jpn. J. App. Phys.	49	4	pp. 04DG18-1-5	2010	原著論文
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微生物カウンタ開発のための微小液滴内における生化学発光測定	有留克洋 高畑祐人 坂本憲児 野田健一 黒田章夫 石川智弘 三宅亮 村上裕二	第27回「センサ・マイクロマシンと応用システム」シンポジウム論文集	49		pp. 494-498	2010	国際会議議事録
Biochemical Quantization by Microfluidic Droplets for the Development of Microbe Counter	K. Aritome Y. Takahata K. Sakamoto K. Noda A. Kuroda T. Ishikawa R. Miyake Y. Murakami	Micro Total Analysis Systems 2010	49		pp. 794-796	2010	国際会議議事録
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Modeling of 2D Bias Control in Overlap Region of High-Voltage MOSFETs for Accurate Device/Circuit Performance Prediction	A. Tanaka Y. Oritsuki H. Kikuchibara M. Miyake H. J. Mattausch M. Miura- Mattausch Y. Liu ..	Proc. the Int'l Conf. on Simulation of Semiconductor Processes and Devices (SISPAD)			243-246	2010	国際会議事録

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論文題目 (Titles)	著者名 (Authors)	主査	副査	出版年
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Heteroepitaxial Growth of Group IV Semiconductor for High-Performance silicon Metal-Oxide-Semiconductor Integrated Circuits (高性能シリコンMOS集積回路のためのIV族半導体ヘテロエピタキシャル成長に関する研究)	糸川 寛志	東 清一郎	吉川 公麿 横山 新 藤島 実 宮崎 誠一	(2010)
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Ultra-high Speed CMOS Sampling Circuit for Confocal Imaging System (コンフォーカルイメージングシステムのための超高速サンプリング回路の研究)	外谷 昭洋	吉川 公麿	横山 新 藤島 実	(2011)
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著書(Published Books)

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Proceedings of International Conference on Physics in Intense Fields PIF 2010	K.Itakura S.Iso T.Takahashi	High Energy Accelerator Research Organization	2011	編著・共編著
Biocatalysis and Biomolecular Engineering	T. Aki H. Iwasaka H. Adachi M. Nanko H. Kawasaki S. Kawamoto T. Kakizono K. Ono	John Wiley & Sons, Inc.	2010	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)
酵母変異体およびその利用	宮川 都吉 水沼 正樹 平田 大	4487066	日本	2010/4/9
MOS電界効果トランジスタ型量子ドット発光素子および受光素子、これらを利用した光電子集積チップおよびデータ処理装置	宮崎 誠一 東 清一郎	4517144	日本	2010/5/28
画像処理装置、画像処理方法、画像処理プログラム、およびコンピュータ読み取り可能な記録媒体	小出 哲士 マタウシュ、ハンス ユルゲン 森本 高志 原田 洋明 桐山 治 足立 英和	4500999	日本	2010/4/30
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