

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.)
Dimensional Crossover of the Fulde-Ferrell-Larkin-Ovchinnikov State in Strongly Pauli-Limited Quasi-One-Dimensional Superconductors	N. Miyawaki H. Shimahara	J. Phys. Soc. Jpn.	83	2	024703 (1-6)	2014	原著論文
Temperature Dependence of the Spin Susceptibility in Noncentrosymmetric Superconductors with Line Nodes	H. Shimahara	J. Phys. Soc. Jpn.	83	4	044713 (1-5)	2014	原著論文
Analysis of charge and orbital order in Fe ₃ O ₄ by Fe L _{2,3} resonant x-ray diffraction	A. Tanaka F. Chang M. Buchholz C. Trabant E. Schierle J. Schlappa D. Schmitz H. Ott P. Metcalf L. H. Tjeng C. Schuessler-Langeheine	Phys. Rev. B	88		195110(1-15)	2013	原著論文
Antiferromagnetic Order of the Co ²⁺ High-Spin State with a Large Orbital Angular Momentum in La _{1.5} Ca _{0.5} CoO ₄	Jun Okamoto Hironori Nakao Yuichi Yamasaki Hiroki Wadati Arata Tanaka Masato Kubota Kazumasa Horigane Youichi Murakami Kazuyoshi Yamada	J. Phys. Soc. Jpn.	83		044705(1-6)	2014	原著論文
Correlation effects in CaCu ₃ Ru ₄ O ₁₂	N. Hollmann Z. Hu A. Maignan A. Guenther L.-Y. Jang A. Tanaka H.-J. Lin C. T. Chen P. Thalmeier L. H. Tjeng	Phys. Rev. B	87		155122(1-8)	2013	原著論文
Electronic Excitations of a Magnetic Impurity State in the Diluted Magnetic Semiconductor (Ga,Mn)As	M. Kobayashi H. Niwa Y. Takeda A. Fujimori Y. Senba H. Ohashi A. Tanaka S. Ohya P. N. Hai M. Tanaka Y. Harada M. Oshima	Phys. Rev. Lett.	112		107203(1-5)	2014	原著論文
Checking the validity of the correlated Thomas-Fermi functional in the pair density functional theory	K. Higuchi M. Higuchi	J. Phys.: Conference Series.	454		012056 (1-7)	2013	原著論文
Current-Density Functional Theory for a Superconductor	K. Higuchi K. Koide T. Imanishi M. Higuchi	Int. J. Quantum Chem.	113		709-714	2013	原著論文
Relativistic tight-binding approximation method for materials immersed in the magnetic field	K. Higuchi D. B. Hamal K. Yamamoto M. Higuchi	Trans. Mater. Res. Soc. Jpn.	38		663-665	2013	原著論文
Scaling method of the pair density functional theory in combination with energy functionals satisfying the virial theorem: Checking the validity via atomic structure calculations	K. Higuchi M. Higuchi	Phys. Rev. A	87		032511(1-11)	2013	原著論文

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Electronic structure of the metallic antiferromagnet PdCrO ₂ measured by angle-resolved photoemission spectroscopy	J.A. Sobota K. Kim H. Takatsu M. Hashimoto S.K. Mo Z. Hussain T. Oguchi T. Shishidou Y. Maeno B.I. Min Z.X. Shen	Phys. Rev. B	88	12	125109 (1-5)	2013	原著論文
Extremely Large Magnetoresistance in the Nonmagnetic Metal PdCoO ₂	H. Takatsu J.J. Ishikawa S. Yonezawa H. Yoshino T. Shishidou T. Oguchi K. Murat Y. Maeno	Phys. Rev. Lett.	111	5	056601 (1-5)	2013	原著論文
Quantum Oscillations of the Metallic Triangular-Lattice Antiferromagnet PdCrO ₂	J.M. Ok Y.J. Jo K. Kim T. Shishidou E.S. Choi H.J. Noh T. Oguchi B.I. Min J.S. Kim	Phys. Rev. Lett.	111	17	176405 (1-5)	2013	原著論文
Change in Unusual Magnetic Properties by Rh Substitution in CeRu ₂ Al ₁₀	R. Kobayashi Y. Ogane D. Hirai T. Nishioka M. Matsumura Y. Kawamura K. Matsubayashi Y. Uwatoko H. Tanida M. Sera	J. Phys. Soc. Jpn.	82		093702(1-5)	2013	原著論文
Double phase-plate setup for chromatic aberration compensation for resonant x-ray diffraction experiments	T. Inami S. Michimura T. Matsumura	J. Phys: Conf. Ser.	425		132011(1-5)	2013	原著論文
Evidence for hidden quadrupolar fluctuations behind the octupole order in Ce _{0.7} La _{0.3} B ₆ from resonant x-ray diffraction in magnetic fields	T. Matsumura S. Michimura T. Inami T. Otsubo H. Tanida F. Iga M. Sera	Phys. Rev. B	89		014422(1-13)	2014	原著論文
Magnetic instability induced by Rh doping in the Kondo semiconductor CeRu ₂ Al ₁₀	H. Guo H. Tanida R. Kobayashi I. Kawasaki M. Sera T. Nishioka M. Matsumura I. Watanabe Z. Xu	Phys. Rev. B	88		115206(1-8)	2013	原著論文
Marked Change in the Ground State of CeRu ₂ Al ₁₀ Induced by Small Amount of Rh Substitution	A. Kondo K. Kindo K. Kunimori H. Nohara H. Tanida M. Sera R. Kobayashi T. Nishioka M. Matsumura	J. Phys. Soc. Jpn.	82		054709(1-5)	2013	原著論文

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Pressure-induced switching of magnetic anisotropy in the antiferromagnetic ordered phase in CeRu ₂ Al ₁₀	H. Tanida D. Tanaka Y. Nohara S. Kobayashi M. Sera T. Nishioka M. Matsumura	Phys. Rev. B	88		045135(1-5)	2013	原著論文
Superconducting Properties of Noncentrosymmetric Superconductor LaPt ₃ Si Studied by Muon Spin Spectroscopy	I. Kawasaki I. Watanabe H. Amitsuka K. Kunimori H. Tanida Y. Onuki	J. Phys. Soc. Jpn.	82		084713(1-6)	2013	原著論文
Anisotropic c-f hybridization in the Kondo semiconductor CeFe ₂ Al ₁₀	Y. Muro K. Yutani J. Kajino T. Onimaru T. Takabatake	J. Korean Phys. Soc.	62		508-511	2013	原著論文
Antiferroquadrupolar ordering and magnetic-field induced phase transition in the cage compound PrRh ₂ Zn ₂₀	I. Ishii H. Muneshige S. Kamiyama T. K. Fujita T. Onimaru N. Nagasawa T. Takabatake T. Suzuki	Phys. Rev. B	87		205106(1-7)	2013	原著論文
Change of magnetic ground state by light electron-doping in CeOs ₂ Al ₁₀	D. D. Khalyavin D. T. Adroja P. Manuel J. Kawabata K. Umeo T. Takabatake A. M. Strydom	Phys. Rev. B	88		060403(R)(1-4)	2013	原著論文
Combined X-ray and neutron diffraction study of vacancies and disorder in the dimorphic clathrate Ba ₈ Ga ₁₆ Sn ₃₀ of type I and VIII	S. Christensen M. A. Avila K. Suekuni R. Piltz T. Takabatake M. Christensen	Dalton Trans.	42		14766-14775	2013	原著論文
Competing 4f-electron dynamics in Ce(Ru _{1-x} Fe _x) ₂ Al ₁₀ (0 ≤ x ≤ 1.0): magnetic ordering emerging from the Kondo semiconducting state	D. T. Adroja A. D. Hillier Y. Muro J. Kajino T. Takabatake P. Peratheepan A. M. Strydom P. P. Deen F. Demmel J. R. Stewart J. W. Taylor R. I. Smith S. Ramos M. A. Adams	Phys. Rev. B	87		224415(1-14)	2013	原著論文
Crystal growth and thermoelectric properties of type-VIII clathrate Ba ₈ Ga _{15.9} Sn _{30.1-x} Ge _x with p-type carriers	Y. X. Chen B. L. Du Y. Saiga K. Kajisa T. Takabatake	J. Phys. D: Appl. Phys.	46		205302(1-6)	2013	原著論文

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Different evolution of the intrinsic gap in strongly correlated SmB_6 in contrast to YbB_{12}	J. Yamaguchi A. Sekiyama M. Y. Kimura H. Sugiyama Y. Tomida G. Funabashi S. Komori T. Balashov W. Wulfhchel T. Ito S. Kimura A. Higashiya K. Tamasaku M. Yabashi T. Ishikawa S. Yeo S-I. Lee F. Iga T. Takabatake S. Suga	New J. Phys.	15		043042(1-12)	2013	原著論文
Electrical properties of Ba_3C_{60} collapsed under high-pressure and high-temperature conditions	M. Tanaka S. Zhang T. Onimaru T. Takabatake K. Inumaru S. Yamanaka	Carbon	73		125-131	2014	原著論文
Enhancing high-temperature thermoelectric properties of PtAs_2 by Rh doping	K. Kudo S. Nakano T. Mizukami T. Takabatake M. Nohara	Appl. Phys. Lett.	103		092107(1-3)	2013	原著論文
Evidence of a rattling transition in the caged compounds $\text{LaRu}_2\text{Zn}_{20}$ and $\text{LaIr}_2\text{Zn}_{20}$: La-139 NMR studies	H. Tou K. Asaki H. Kotegawa T. Onimaru K. T. Matsumoto Y. F. Inoue T. Takabatake	J. Korean Phys. Soc.	62		650-653	2013	原著論文
Magnetic and transport properties of a new caged compound $\text{PrOs}_2\text{Zn}_{20}$	K. Wakiya N. Nagasawa K. T. Matsumoto T. Onimaru K. Umeo T. Takabatake	J. Korean Phys. Soc.	62		2143-2145	2013	原著論文
Magnetic ordering with reduced cerium moments in hole-doped $\text{CeOs}_2\text{Al}_{10}$	D. D. Khalyavin D. T. Adroja A. Bhattacharyya A. D. Hillier P. Manuel A. M. Strydom J. Kawabata T. Takabatake	Phys. Rev. B	89		028003(1-2)	2014	原著論文
Microstructural Control and Thermoelectric Properties of Misfit Layered Sulfides (LaS)1+mTS2 (T = Cr, Nb): The Natural Superlattice Systems	Priyanka Jood Michihiro Ohta Hirotaka Nishiate Atsushi Yamamoto Oleg I. Lebedev David Berthebaud Koichiro Suekuni Masaru Kunii	Chem. Mater	26		2684–2692	2014	原著論文
Muon-spin-relaxation and inelastic neutron scattering investigations of the caged-type Kondo semimetals: $\text{CeT}_2\text{Al}_{10}$ (T = Fe, Ru and Os)	D. T. Adroja A. D. Hillier Y. Muro T. Takabatake A. M. Strydom A. Bhattacharyya A. Daoud-Aladin J. W. Taylor	Phys. Scr.	88		068505(1-22)	2013	原著論文

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NMR and NQR studies on non-centrosymmetric superconductors Re_7B_3 , LaBiPt , and BiPd	K. Matano S. Maeda H. Sawaoka Y. Muro T. Takabatake B. Joshi S. Ramakrishnan K. Kawashima J. Akimitsu G-q. Zheng	J. Phys. Soc. Jpn	82		084711(1-5)	2013	原著論文
Optical conductivity spectra of rattling phonons and charge carriers in the type-VIII clathrate $\text{Ba}_8\text{Ga}_{16}\text{Sn}_{30}$	K. Iwamoto T. Mori S. Kajitani H. Matsumoto N. Toyota K. Suekuni M. A. Avila Y. Saiga T. Takabatake	Phys. Rev. B	88		104308(1-9)	2013	原著論文
Simultaneous Pressure-Induced Magnetic and Valence Transitions in Type-I Clathrate $\text{Eu}_8\text{Ga}_{16}\text{Ge}_{30}$	T. Onimaru S. Tsutsui M. Mizumaki N. Kawamura N. Ishimatsu M. A. Avila S. Yamamoto H. Yamane K. Suekuni K. Umeo T. Kume S. Nakano T. Takabatake	J. Phys. Soc. Jpn.	83		013701(1-4)	2014	原著論文
Strong Coupling of Rattling Phonon to Conduction Electrons in Semimetallic Type-I Clathrate $\text{Ba}_8\text{Ga}_{16}\text{Sn}_{30}$	H. Tou K. Sonoda K. Furumoto H. Kotegawa K. Suekuni M. A. Avila T. Takabatake	J. Phys. Soc. Jpn.	82		114603(1-7)	2013	原著論文
Suppression of antiferromagnetic order and hybridization gap by electron and hole doping in the Kondo semiconductor $\text{CeOs}_2\text{Al}_{10}$	J. Kawabata T. Takabatake K. Umeo Y. Muro	Phys. Rev. B	89		094404(1-7)	2014	原著論文
Tuning of magnetic and transport properties of Bi_2Te_3 by divalent Fe doping	N. H. Jo K. J. Lee C. M. Kim K. Okamoto A. Kimura K. Miyamoto T. Okuda Y. K. Kim Z. Lee T. Onimaru T. Takabatake M. H. Jung	Phys. Rev. B	87		201105@(1-5)	2013	原著論文
Unusual temperature-dependent exchange interaction in $\text{GdFe}_2\text{Al}_{10}$ in comparison with $\text{GdRu}_2\text{Al}_{10}$	M. Sera H. Nohara M. Nakamura H. Tanida T. Nishioka M. Matsumura	Phys. Rev. B	88		100404R(1-5)	2013	原著論文
Weak ferromagnetism below 41 K and structural transition at 395 K in CeIr_3B_2 single crystal	K. Kubota E. Matsuoka Y. Funasako T. Mochida T. Sakurai H. Ohta T. Onimaru T. Takabatake H. Sugawara	J. Phys. Jpn.	82		104715(1-5)	2013	原著論文
テクニカルレポート:未利用熱エネルギー活用のための熱電変換鉱物	末國晃一郎 太田道広	クリーンエネルギー	22	7	6-11	2013	その他

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Anisotropic uniaxial pressure response of the Mott insulator Ca_2RuO_4	H. Taniguchi K. Nishimura R. Ishikawa S. Yonezawa S.K. Goh F. Nakamura Y. Maeno	Phys. Rev. B	88		205111(1-6)	2013	原著論文
Antiferro-Quadrupolar Ordering and Magnetic-Field-Induced Phase Transition in the Cage Compound $\text{PrRh}_2\text{Zn}_{20}$	I. Ishii H. Muneshige S. Kamikawa T. K. Fujita T. Onimaru N. Nagasawa T. Takabatake T. Suzuki G. Ano M. Akatsu Y. Nemoto T. Goto	Phys. Rev. B	87		205106(1-7)	2013	原著論文
Current-Induced Gap Suppression in the Mott Insulator Ca_2RuO_4	R. Okazaki Y. Nishina Y. Yasui F. Nakamura T. Suzuki I. Terasaki	J. Phys. Soc. Jpn.	82		103702(1-5)	2013	原著論文
Electric-Field-Induced Insulator–Metal Transition in Ca_2RuO_4 Probed by X-ray Absorption and Emission Spectroscopy	M. Sakaki N. Nakajima F. Nakamura Y. Tezuka T. Suzuki	J. Phys. Soc. Jpn.	82		093707(1-4)	2013	原著論文
Electric-field-induced metal maintained by current of the Mott insulator Ca_2RuO_4	F. Nakamura M. Sakaki Y. Yamanaka S. Tamaru T. Suzuki Y. Maeno	Scientific Reports	3		2536(1-6)	2013	原著論文
Higgs Boson Decays to Tau Pairs at the ILC with the ILD Detector	Shin-ichi Kawada Keisuke Fujii Taikan Suehara Tohru Takahashi Tomohiko Tanabe	JPS Conference Proceedings	1		013013-- 013016	2014	国際会議議事録
Reinterpretations of an experiment on the backaction in a weak measurement	Kouji Nakamura Masataka Iinuma	Phys. Rev. A	88		42106	2013	原著論文

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A source of antihydrogen for in-flight hyperfine spectroscopy	N. Kuroda S. Ulmer D.J. Murtagh S. Van Gorp Y. Nagata M. Diermaier S. Federmann M. Leali C. Malbrunot V. Mascagna K. Michishio T. Mizutani A. Mohri H. Nagahama M. Ohtsuka B. Radics S. Sakurai C. Sauerzopf K. Suzuki M. Tajima H.A. Torii L. Venturelli B. Wunschek J. Zmeskal N. Zurlo H. Higaki Y. Kanai E. Lodi Rizzini Y. Nagashima Y. Matsuda E. Widmann Y. Yamazaki	Nature Communications	5		3089(1-6)	2014	原著論文
Beam Crystallization. Are We There Yet?	H. Okamoto	(invited paper) Proc. Int. Workshop on <i>Beam Cooling and Related Topics</i>			152 - 156	2013	国際会議議事録
Experimental simulation of beam propagation over long path lengths using radio-frequency and magnetic traps	H. Okamoto M. Endo K. Fukushima H. Higaki K. Ito K. Moriya S. Yamaguchi S. M. Lund	Nucl. Instrum. Meth. A	733		119 - 128	2013	原著論文
Experimental studies of resonance crossing in linear non-scaling FFAGs with the S-POD plasma trap	S. L. Sheehy D. Kelliher S. Machida C. Prior K. Fukushima K. Ito K. Moriya T. Okano H. Okamoto	Proc. 4th International Particle Accelerator Conf.			2675 - 2677	2013	国際会議議事録
Experimental verification of resonance instability bands in quadrupole doublet focusing channels	K. Fukushima K. Ito H. Okamoto S. Yamaguchi K. Moriya H. Higaki T. Okano S. M. Lund	Nucl. Instrum. Meth. A	733		18 - 24	2013	原著論文
Latest results of experimental approach to ultra-cold beam at S-LSR	A. Noda M. Nakao H. Souda H. Tongu H. Okamoto K. Osaki Y. Yuri K. Jimbo M. Grieser	Proc. Int. Workshop on <i>Beam Cooling and Related Topics</i>			157 - 161	2013	国際会議議事録

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Parameter optimization for multi-dimensional laser cooling of an ion beam in the storage ring S-LSR	Z. He J. Wei K. Osaki H. Okamoto A. Noda M. Nakao H. Souda Y. Yuri K. Jimbo	Proc. 2013 Particle Accelerator Conf.			1298 - 1300	2013	国際会議議事録
Simulation study on transverse laser cooling and crystallization of heavy-ion beams at the cooler storage ring S-LSR	Y. Yuri K. Osaki H. Okamoto Z. He H. Souda A. Noda M. Nakao H. Tongu K. Jimbo	Proc. Int. Workshop on <i>Beam Cooling and Related Topics</i>			162 - 165	2013	国際会議議事録
実験室加速器物理	岡本宏己 伊藤清一 檜垣浩之	日本物理学会誌	68	12	818 - 822	2013	総説論文
1 ms Pulse Beam Generation and Acceleration by Photo-cathode RF gun and Super-conducting Accelerator	Masao Kuriki Hokuto Iijima Seiichi Hosoda Ken Watanabe Hitoshi Hayano Junji Urakawa Goro Isoyama Ryuko Kato Keigo Kawase Ayaka Kuramoto Shigeru Kashiwagi Kazuyuki Sakaue	Jpn. J. Appl. Phys.	52	5	056401.	2013	原著論文
500kV DC Gun for ILC	M. Kuriki Y. Seimiya N. Nishimori R. Nagai S. Matsuba R. Hajima M. Yamamoto Y. Honda T. Miyajima H. Iijima M. Kuwahara	LCWS2013, Tokyo				2013	国際会議議事録
A Chargelifetime Study of NEA GaAs Cathode by Ion Back-bombardment	M. Kuriki L. Guo H. Iijima K. Miyoshi	Proc. of International Particle Accelerator Conference (IPAC2013)			MOPFI014	2013	国際会議議事録
A Lifetime study of CsK2Sb Cathode	M. Kuriki H. Iijima K. Miyoshi N. Norihito	Proc. of International Particle Accelerator Conference (IPAC2013)			MOPFI013	2013	国際会議議事録
BEAM GENERATION FROM A 500KV DC PHOTOEMISSION ELECTRON GUN*	N. Nishimori R. Nagai S. Matsuba R. Hajima M. Yamamoto Y. Honda T. Miyajima H. Iijima M. Kuriki M. Kuwahara	Proc. of International Particle Accelerator Conference (IPAC2013)			MOPFI019	2013	国際会議議事録
Generation of a 500-keV electron beam from a high voltage photoemission gun	Nobuyuki Nishimori Ryoji Nagai Shunya Matsuba Ryoichi Hajima Masahiro Yamamoto Tsukasa Miyajima Yosuke Honda Hokuto Iijima Masao Kuriki Makoto Kuwahara	Appl.Phys.Lett	102		234103	2013	原著論文

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High brightness Beam Generation with a photo-cathode 500kV DC gun	M. Kuriki Y. Seimiya N. Nishimori R. Nagai S. Matsuba R. Hajima M. Yamamoto Y. Honda T. Miyajima H. Iijima M. Kuwahara	Posipol 2013				2013	国際会議議事録
Measurement of Adsorption rates of Residual Gases for NEA-GaAs surface	M. Kuriki H. Iijima K. Miyoshi N. Norihito K. Uchida	Proc. of International Particle Accelerator Conference (IPAC2013)			MOPFI01	2013	国際会議議事録
Robust and High Quantum Efficiency Photo-cathode Development	M. Kuriki Y. Seimiya	Asian Forum of Accelerator and Detector (AFAD2014)	38			2014	国際会議議事録
Criticality of the metal-topological insulator transition driven by disorder	Ai Yamakage Kentaro Nomura Ken-Ichiro Imura Yoshio Kuramoto	Phys. Rev. B	87	20	205141 (1- 11)	2013	原著論文
Density of states scaling at the semimetal-to-metal transition in three-dimensional topological insulators	Koji Kobayashi Tomi Ohtsuki Ken-Ichiro Imura Igor F. Herbut	Phys. Rev. Lett.	112	1	016402 (1-5)	2014	原著論文
Disordered weak and strong topological insulators	Koji Kobayashi Tomi Ohtsuki Ken-Ichiro Imura	Phys. Rev. Lett.	110	23	236803 (1-5)	2013	原著論文
One-dimensional topological insulator: A model for studying finite-size effects in topological insulator thin films	M. Okamoto Y. Takane K.-I. Imura	Phys. Rev. B	89	12	125425 (1-9)	2014	原著論文
Perfectly conducting channel on the dark surface of weak topological insulators	Y. Yoshimura A. Matsumoto Y. Takane K.-I. Imura	Phys. Rev. B	88	4	045408 (1-4)	2013	原著論文
Protection of the surface states in topological insulators: Berry phase perspective	K.-I. Imura Y. Takane	Phys. Rev. B	87	20	205409 (1-6)	2013	原著論文
Superconducting proximity effect on a two-dimensional Dirac electron system	Y. Takane R. Ando	J. Phys. Soc. Jpn.	83	1	014706 (1-7)	2014	原著論文
Symmetry protected weak topological phases in a superlattice	T. Fukui K.-I. Imura Y. Hatsugai	J. Phys. Soc. Jpn.	82	7	073708 (1-5)	2013	原著論文
Unified description of Dirac electrons on a curved surface of topological insulators	Y. Takane K.-I. Imura	J. Phys. Soc. Jpn.	82	7	074712 (1-8)	2013	原著論文
An investigation of the transfer dynamics of quantum teleportation by weak measurement statistics	M. Hiroishi H. F. Hofmann	J. Phys. A: Math. Theor.	46	24	245302 (1-12)	2013	原著論文
Direct observation of temporal coherence by weak projective measurements of photon arrival time	H.F. Hofmann C. Ren	Phys. Rev. A	87	6	062109(1-6)	2013	原著論文
Optimal multi-photon phase sensing with a single interference fringe	G. Y. Xiang H. F. Hofmann G. J. Pryde	Sci. Rep.	3		2684(1-6)	2013	原著論文
Quantitative estimation of density of Bi-induced localized states in GaAs _{1-x} Bi _x grown by molecular beam epitaxy	M. Yoshimoto M. Itoh Y. Tominaga K. Oe	J. Cryst. Growth	378	-	73-76	2013	原著論文
Quantum effects in the interaction of off-resonant coherent light with a single atom	A. Yamaguchi H. F. Hofmann	Phys. Rev. A	88	1	013809(1-7)	2013	原著論文

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Terahertz full horn-antenna characterization	D. Armand H. Taniguchi Y. Kadoya T. Tanaka K. Tanaka	Appl. Phys. Lett.	102	14	141115 (1-3)	2013	原著論文
Bistability in molecular orientation on a metal surface	Hitoshi Suzuki	13th International discussion & conference on Nano Interface Controlled Electronic Devices	18a-2			2013	国際会議議事録
Orientation of PCBM in an intermixing overlayer of C60 and PCBM on Au(111) surface	Hitoshi Suzuki Keijiro Todaka Hiroyuki Sakaue Takayuki Takahagi	International Vacuum Conference 19	NST-P1-13			2013	国際会議議事録
Study of Adsorption Behavior of Disulfide on the Surface of Au Nanoparticle by X-ray Photoelectron Spectroscopy	S. Suzuki H. Sakaue H. Suzuki T. Takahagi	Jpn. J. Appl. Phys.	52	8R	085701 (1-3)	2013	原著論文
Ammonia Synthesis via Non-Equilibrium Reaction of Lithium Nitride in Hydrogen Flow Condition	Goshome Kiyotaka Miyaoka Hiroki Ichikawa Tomoyuki Ichikawa Takayuki Kojima Yoshitsugu	JOURNAL OF THE JAPAN INSTITUTE OF METALS	77	12 特別号: SI	580-584	2013	原著論文
Anode properties of magnesium hydride catalyzed with niobium oxide for an all solid-state lithium-ion battery	Suguru Ikeda Takayuki Ichikawa Koji Kawahito Kazuhiro Hirabayashi Hiroki Miyaoka Yoshitsugu Kojima	Chemical Communications	49	64	7174-7176	2013	原著論文
Catalytic Effect of Niobium Oxide on Hydrogen Absorption and Desorption Process for Magnesium	Kimura Toru Miyaoka Hiroki Ichikawa Takayuki Kojima Yoshitsugu	JOURNAL OF THE JAPAN INSTITUTE OF METALS	77	12 特別号: SI	636-640	2013	原著論文
Chemical Hydrogen Storage of Carbon Material	Miyaoka Hiroki Ichikawa Takayuki Kojima Yoshitsugu	JOURNAL OF THE JAPAN INSTITUTE OF METALS	77	12 特別号: SI	552-558	2013	原著論文
Correlation between electrochemical behavior and hydrogen storage properties of Li-Sn system	Jain Ankur Miyaoka Hiroki Ichikawa Takayuki Kojima Yoshitsugu	JOURNAL OF ALLOYS AND COMPOUNDS	580		S211-S215	2013	原著論文
Dehydrogenation process of AlH ₃ observed by TEM	Nakagawa Yuki Isobe Shigehito Wang Yongming Hashimoto Naoyuki Ohnuki Somei Zeng Liang Liu Shusheng Ichikawa Takayuki Kojima Yoshitsugu	JOURNAL OF ALLOYS AND COMPOUNDS	580		S163-S166	2013	原著論文
Hydrogen absorption of catalyzed magnesium below room temperature	Toru Kimura Hiroki Miyaoka Takayuki Ichikawa Yoshitsugu Kojima	INTERNATIONAL JOURNAL OF HYDROGEN ENERGY	38	31	13728-13733	2013	原著論文
Hydrogen and Materials Characteristic in Solids	Ichikawa Takayuki Kanadani Teruto Horikawa Keitaro Murakami Koji	JOURNAL OF THE JAPAN INSTITUTE OF METALS	77	12 特別号: SI	551-551	2013	原著論文
Hydrogen production via thermochemical water-splitting by lithium redox reaction	Nakamura Naoya Miyaoka Hiroki Ichikawa Takayuki Kojima Yoshitsugu	JOURNAL OF ALLOYS AND COMPOUNDS	580		S410-S413	2013	原著論文
Hydrogen Storage Materials:Present and Future~水素貯蔵材料の現状と将来	小島 由継	日本エネルギー学会	93	1	7-14	2014	総説論文
Improved hydrogen desorption from lithium hydrazide by alkali metal hydride	Zeng Liang Miyaoka Hiroki Ichikawa Takayuki Kojima Yoshitsugu	JOURNAL OF ALLOYS AND COMPOUNDS	580		S320-S323	2013	原著論文

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Investigation of Reaction Mechanism in Li ₂ NH Hydrogen Storage System by TEM	Isobe Shigehito Dohkoshi Miki Wang Yongming Hashimoto Naoyuki Ohnuki Somei Hino Satoshi Ichikawa Takayuki Kojima Yoshitsugu	JOURNAL OF THE JAPAN INSTITUTE OF METALS	77	12	571-574	2013	原著論文
Microscopic characterization of metal-carbon-hydrogen composites (metal = Li, Mg)	Isobe Shigehito Yamada Sumito Wang Yongming Hashimoto Naoyuki Ohnuki Somei Miyaoka Hiroki Ichikawa Takayuki Kojima Yoshitsugu	JOURNAL OF APPLIED PHYSICS	114	9	記事番号: 093509	2013	原著論文
Microstructure and hydrogen desorption characteristics of hydrogenated ScH ₂ -MBn(M=Mg and Ca) systems synthesized by mechanical milling	Tessui Nakagawa Takayuki Ichikawa Keiji Shimoda Masami Tsubota Hiroki Miyaoka Shigehito Isobe Tetsuo Honma Shinji Michimura Fumitoshi Iga Somei Ohnuki Yoshitsugu Kojima	International Journal of Hydrogen Energy	38	16	6744-6749	2013	原著論文
Phase and morphology evolution study of ball milled Mg-Co hydrogen storage alloys	Haiyu Shao Junko Matsuda Hai-Wen Li Etsuo Akiba Ankur Jain Takayuki Ichikawa Yoshitsugu Kojima	International Journal of Hydrogen Energy	38	17	7070-7076	2013	原著論文
Sodium Hydrazinidoborane: A Chemical Hydrogen-Storage Material	Romain Moury Umit Demirci Takayuki Ichikawa Yaroslav Filinchuk Rodica Chiriac Arie van der Lee Philippe Miele	CHEMSUSCHEM	6	4	667-673	2013	原著論文
Synthesis and characterization of magnesium-carbon compounds for hydrogen storage	Akira Kubota Hiroki Miyaoka Masami Tsubota Keiji Shimoda Takayuki Ichikawa Yoshitsugu Kojima	Carbon	56		50-55	2013	原著論文
Synthesis of Calcium Borohydride by Milling Hydrogenation of Hydride and Boride	Nakagawa Tessui Ichikawa Takayuki Miyaoka Hiroki Tsubota Masami Kojima Yoshitsugu	JOURNAL OF THE JAPAN INSTITUTE OF METALS	77	12	609-614	2013	原著論文
Synthesis of nickel nanoparticles with excellent thermal stability in micropores of zeolite	Inokawa Hitoshi Maeda Makoto Nishimoto Shunsuke Kameshima Yoshikazu Miyake Michihiro Ichikawa Takayuki Kojima Yoshitsugu Miyaoka Hiroki	INTERNATIONAL JOURNAL OF HYDROGEN ENERGY	38	31	13579-13586	2013	原著論文
「アンモニアエコノミーの構築」特集「水素エネルギーの開発と利用」—ファインケミカル—, Vol.42, No.7 ISSN:0913-6150	小島由継	CMC	42	7	5-6	2013	総説論文
「アンモニアによる水素の貯蔵・輸送技術の動向」特集「水素エネルギー最前線」第100巻第8号	小島 由継	OHM	100	8	52-53	2013	総説論文
「アンモニア分解による水素製造」特集「水素エネルギーの開発と利用」—ファインケミカル—, Vol.42, No.7 ISSN:0913-6150	小島由継 市川貴之	CMC	42	7	32-37	2013	総説論文
「非金属系水素貯蔵材料の基礎研究」ミニ特集「水素貯蔵材料に対する先端基盤研究」まであり, Vol.52, No.7	小島由継	日本金属学会	52	7	333-336	2013	総説論文

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.)
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.)
Analysis of the regulatory genes encoded on a Streptomyces linear plasmid and its application for antibiotic production	K. Arakawa	Report of the Noda Institute for Scientific Research	57		40-41	2013	その他
Chromosome circularization of the model Streptomyces species, Streptomyces coelicolor A3(2)	Y. Nindita T. Nishikawa K. Arakawa G. Wang K. Ochi Z. Qin H. Kinashi	FEMS Microbiol. Lett.	347	2	149-155	2013	原著論文
Genetic and biochemical analysis of the antibiotic biosynthetic gene clusters on the Streptomyces linear plasmid	K. Arakawa	Biosci. Biotechnol. Biochem.,	78	2	183-189	2014	総説論文
Regulation of polyunsaturated fatty acid biosynthesis by seaweed fucoxanthin and its metabolite in cultured hepatocytes	Aki T Yamamoto M Takahashi T Tomita K Toyoura R Iwashita K Kawamoto S Hosokawa M Miyashita K Ono K	Lipids	49	2	133-141	2014	原著論文
Utilization of waste syrup for production of polyunsaturated fatty acids and xanthophylls by Aurantiochytrium	Iwasaka H Aki T Adachi H Watanabe K Kawamoto S Ono K	J. Oleo Sci.	62	9	729-736	2013	原著論文
Bifidobacterium longum alleviates dextran sulfate sodium-induced colitis by suppressing IL-17A response: involvement of intestinal epithelial costimulatory molecules	Miyauchi E Ogita T Miyamoto J Kawamoto S Morita H Ohno H Suzuki T Tanabe S	PLoS One	8	11	e79735	2013	原著論文
Competitive advantage and tolerance of selected shochu yeast in barley shochu mash	Takashita H Fujihara E Furutera M Kajiwara Y Shimoda M Matsuoka M Ogawa T Kawamoto S Ono K	J. Biosci. Bioeng.	116	1	79-84	2013	原著論文
Construction of a simple biocatalyst using psychrophilic bacterial cells and its application for efficient 3-hydroxypropionaldehyde production from glycerol	T. Tajima K. Fuki N. Kataoka D. Kudou Y. Nakashimada J. Kato	AMB Express	3	1	69	2013	原著論文
Degradation of chloroanilines by toluene dioxygenase from Pseudomonas putida T57.	T. Nitisakulka S. Oku D. Kudo Y. Nakashimada T. Tajima A. S. Vangnai J. Kato	J. Biosci. Bioeng.	117	3	292-297	2014	原著論文

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Development of genetic transformation and heterologous expression system in carboxydophilic thermophilic acetogen <i>Moorella thermoacetica</i> .	A. Kita Y. Iwasaki S. Sakai S. Okuto K. Takaoka T. Suzuki S. Yano S. Sawayama T. Tajima J. Kato N. Nishio K. Murakami Y. Nakashimada	J. Biosci. Bioeng.	115	4	347-352	2013	原著論文
Engineering of a functional thermostable kanamycin resistance marker for use in <i>Moorella thermoacetica</i> ATCC39073	Y. Iwasaki A. Kita S. Sakai K. Takaoka S. Yano T. Tajima J. Kato N. Nishio K. Murakami Y. Nakashimada	FEMS Microbiology Letters	343	1	8-12	2013	原著論文
Enhancement of methane production from co-digestion of chicken manure with agricultural wastes.	Fatma Abouelenien Yuzaburo Namba Maria R. Kosseva Naomichi Nishio Yutaka Nakashimada	Bioresource Technology	159		80-87	2014	原著論文
Genome-guided analysis of transformation efficiency and carbon dioxide assimilation by <i>Moorella thermoacetica</i> Y72	Kenichiro Tsukahara Akihisa Kita Yutaka Nakashimada Tamotsu Hoshino Katsuji Murakami	Gene	535	2	150-155	2014	原著論文
Identification of CtpL as a chromosomally-encoded chemoreceptor for 4-chloroaniline and catechol in <i>Pseudomonas aeruginosa</i> PAO1	A. S. Vangnai K. Takeuchi S. Oku N. Kataoka T. Nitisakulkan T. Tajima J. Kato	Appl. Environ. Microbiol.	79	23	7241-7248	2013	原著論文
Improvement of (R)-1,3-butanediol production by engineered <i>Escherichia coli</i> .	N. Kataoka A. S. Vangnai T. Tajima Y. Nakashima J. Kato	J. Biosci. Bioeng.	115	5	475-480	2013	原著論文
Simultaneous ammonia removal and methane production from chicken manure under dry thermophilic condition	F. Abouelenien N. Elsaïdy Y. Nakashimada	The Journal of American Science	9	10	90-94	2013	原著論文
ケミカルの低炭素バイオ生産のための微生物利用技術開発	加藤純一 田島誉久 黒田章夫 廣田隆一 大竹久夫 本田孝祐	化学工業	64	6	45-50	2013	総説論文
Fission yeast MOZART1/Mzt1 is an essential γ -tubulin complex component required for complex recruitment to the microtubule organizing center, but not its assembly.	H. Masuda R. Mori M. Yukawa T. Toda	Mol Biol Cell.	24	18	2894-2906	2013	原著論文
Characterization of bacteriophages Cp1 and Cp2, the strain-typing agents for <i>Xanthomonas axonopodis</i> pv. citri	A. A. Ahmad M. Ogawa T. Kawasaki M. Fujie T. Yamada	Appl. Environ. Microbiol.	80	1	77-85	2014	原著論文
Filamentous phages of <i>Ralstonia solanacearum</i> : Double-edged swords for pathogenic bacteria	T. Yamada	Front. Microbiol.	4	-	325	2013	原著論文
Hyaluronan synthesis in cultured tobacco cells (BY-2) expressing a chlorovirus enzyme: Cytological studies	N. Rakkhumkaew S. Shibatani T. Kawasaki M. Fujie T. Yamada	Biotech. Bioeng.	110	4	1174-1179	2013	原著論文

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Insights into the diversity of phiRSM phages infecting strains of the phytopathogen <i>Ralstonia solanacearum</i> complex: regulation and evolution	A. Askora T. Kawasaki M. Fujie T. Yamada	Mol. Genet. Genom.	289	3	1-10	2014	原著論文
Prolonged synthesis of hyaluronan by <i>Chlorella</i> cells infected with chloroviruses	N. Rakkhumkaew T. Kawasaki M. Fujie T. Yamada	J. Biosci. Bioeng.	115	5	527-531	2013	原著論文
A new subfamily of polyphosphate kinase 2 (class III PPK2) catalyzes both nucleoside monophosphate phosphorylation and nucleoside diphosphate phosphorylation	K. Motomura R. Hirota M. Okada T. Ikeda T. Ishida A. Kuroda	Appl. Environ. Microbiol.	80	8	2602-2608	2014	原著論文
Molecular engineering of a fluorescent bioprobe for sensitive and selective detection of amphibole asbestos	T. Ishida M. Alexandrov T. Nishimura K. Minakawa R. Hirota K. Sekiguchi N. Kohyama A. Kuroda	PLOS ONE	8	9	e76231	2013	原著論文
Stable polyphosphate accumulation by a pseudorevertant of an <i>Escherichia coli</i> phoU mutant	R. Hirota K. Motomura S. Nakai T. Handa T. Ikeda A. Kuroda	Biotechnol. Lett.	35	5	695-701	2013	原著論文
蛍光タンパク質でアスベストを簡単に検出	黒田章夫	検査技術	18	9	44-48	2013	原著論文
蛍光顕微鏡法による大気アスベスト検査の有効性検証と位相差蛍光顕微鏡法への応用	黒田章夫 石田文典 西村智基 Maxym Alexandrov	作業環境	35	1	57-62	2014	原著論文
現場で簡便に利用できるアスベスト計測技術の開発	黒田章夫	産業と環境	42	6	81-84	2013	原著論文
バイオ技術によるアスベスト蛍光検出技術の開発	黒田章夫 石田文典 マクシムアレクサンドロフ 西村智基	バイオインダストリー	30	6	54-61	2013	原著論文
Evidence of antagonistic regulation of restart from G ₁ delay in response to osmotic stress by the Hog1 and Whi3 in budding yeast	Masaki Mizunuma Takafumi Ogawa Tetsuya Koyama Atsunori Shitamukai A Rhohei Tsubakiyama Tadamasa Komaruyama Toshiyoshi Yamaguchi Kazunori Kume Dai Hirata	Biosci. Biotechnol. Biochem.	77	10	2002-2007	2013	原著論文
Fission yeast leucine-rich repeat protein Lrp1 is essential for cell morphogenesis as a component of the morphogenesis Orb6 network (MOR)	Kazunori Kume Shunsuke Kubota Takayuki Koyano Muneyoshi Kanai Masaki Mizunuma Takashi Toda Dai Hirata	Biosci. Biotechnol. Biochem.	77	5	1086-1091	2013	原著論文
Isolation of a non-urea-producing sake yeast strain carrying a discriminable molecular marker.	Takashi Kuribayashi Hiroyasu Tamura Keigo Sato Yoshihito Nabekura Toshio Aoki Yoshihiko Anzawa Kazuaki Katsumata Shunji Ohdaira Susumu Yamashita Kazunori Kume Mitsuoki Kaneoke Ken-ichi Watanabe	Biosci. Biotechnol. Biochem.	77		2505-2509	2013	原著論文

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Polishing properties of sake rice Koshitanrei for high-quality sake brewing	Yoshihiko Anzawa Yoshihito Nabekura Kenji Satoh Yuko Satoh Satomi Ohno Tsutomu Watanabe Mitsuoki Kaneoke Kazunori Kume Masaki Mizunuma Ken-ichi Watanabe Kazuaki Katsumata Dai Hirata	Biosci. Biotechnol. Biochem.	77	10	2160-2165	2013	原著論文
Polishing properties of sake rice Koshitanrei for high-quality sake brewing.	Yoshihiko Anzawa Yoshihito Nabekura Kenji Satoh Yuko Satoh Satomi Ohno Tsutomu Watanabe Mitsuoki Kaneoke Kazunori Kume Masaki Mizunuma Ken-ichi Watanabe Kazuaki Katsumata Dai Hirata	Biosci. Biotechnol. Biochem.	77		2160-2165	2013	原著論文
Ras/cAMP-dependent protein kinase (PKA) regulates multiple aspects of cellular events by phosphorylating the Whi3 cell cycle regulator in budding yeast	Masaki Mizunuma Ryohei Tsubakiyama Takafumi Ogawa Atsunori Shitamukai Yoshifumi Kobayashi Tomomi Inai Kazunori Kume Dai Hirata	J. Biol. Chem.	288	15	10558-10566	2013	原著論文
Ras/cAMP-dependent protein kinase (PKA) regulates multiple aspects of cellular events by phosphorylating the Whi3 cell cycle regulator in budding yeast.	Masaki Mizunuma Ryohei Tsubakiyama Takafumi Ogawa Atsunori Shitamukai Yoshifumi Koyabashi Tomomi Inai Kazunori Kume Dai Hirata	J. Biol. Chem.	288		10558-10566	2013	原著論文
Essential role of Ubr11, but not Ubr1, as an N-end rule ubiquitin ligase in Schizosaccharomyces pombe.	Fujiwara, H Tanaka, N Yamashita, I Kitamura, K	Yeast	30		1-11	2013	原著論文
The oxidative stress responsive transcription factor Pap1 confers DNA damage resistance on checkpoint-deficient fission yeast cells.	Belfield C Queenan C Rao H Kitamura K Walworth NC	PLoS One	9	2	e89936	2014	原著論文
Accelerated alcoholic fermentation caused by defective glucose derepression-related gene expression in Saccharomyces cerevisiae	Daisuke Watanabe Naoya Hashimoto Megumi Mizuno Yan Zhou Takeshi Akao Hitoshi Shimoi	Biosci. Biotechnol. Biochem.	77	11	2255-2262	2013	原著論文
Involvement of methionine salvage pathway genes of Saccharomyces cerevisiae in the production of precursor compounds of dimethyl trisulfide (DMTS)	Wakabayashi, K Isogai, A Watanabe, D Fujita, A Sudo, S	J. Biosci. Bioeng.	116	4	457-459	2013	原著論文
Rim15p-mediated regulation of sucrose utilization during molasses fermentation using Saccharomyces cerevisiae strain PE-2	Tomomi Inai Daisuke Watanabe Yan Zhou Rie Fukada Takeshi Akao Jun Shima Hiroshi Takagi Hitoshi Shimoi	J. Biosci. Bioeng.	116	5	591-594	2013	原著論文
同位体希釈分析法(SIDA法)による酒類および発酵液中のDMTS前駆物質1,2-dihydroxy-5-(methylsulfanyl)pentan-3-one (DMTS-P1)の分析	磯谷敦子 神田涼子 須藤茂俊 松丸克己	日本醸造協会誌	108	8	605-614	2013	原著論文

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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.)
Development of Silicon Layer Transfer Technique Using Mid-air Structure for Thin Film Transistor Fabrication	Kohei Sakaïke Yoshitaka Kobayashi Shogo Nakamura Shohei Hayashi Muneki Akazawa Seiji Morisaki Seiichiro Higashi	Abs. 2013 Mat. Res. Soc. Spring Meeting			A19.05	2013	国際会議議事録
Control of Interfacial Reaction of HfO ₂ /Ge Structure by Insertion of Ta Oxide Layer	Kuniaki Hashimoto Akio Ohta Hideki Murakami Seiichiro Higashi Seiichi Miyazaki	IEICE Trans. on Electronics	E96-C	5	674-679	2013	原著論文
Evaluation of Chemical Composition and Bonding Features of Pt/SiO _x /Pt MIM Diodes and Its Impact on Resistance Switching Behavior	Akio Ohta Katsunori Makihara Mitsuhisa Ikeda Hideki Murakami Seiichiro Higashi Seiichi Miyazaki	IEICE Trans. on Electronics	E96-C	5	702-707	2013	原著論文
Layer Transfer and Simultaneous Crystallization Technique for Amorphous Si Films with Midair Structure Induced by Near-Infrared Semiconductor Diode Laser Irradiation and Its Application to Thin-Film Transistor Fabrication	Kohei Sakaïke Yoshitaka Kobayashi Shogo Nakamura Shohei Hayashi Muneki Akazawa Seiji Morisaki Mitsuhisa Ikeda Seiichiro Higashi	Jpn. J. Appl. Phys	52	5	05EC01-1-05EC01-6	2013	原著論文
Leading Wave Crystallization Induced by Micro-Thermal-Plasma-Jet Irradiation of Amorphous Silicon Films	Shohei Hayashi Yuji Fujita Takahiro Kamikura Kohei Sakaïke Muneki Akazawa Mitsuhisa Ikeda Seiichiro Higashi	Jpn. J. Appl. Phys	52	5	05EE02-1-05EE02-6	2013	原著論文
SiO _x /TiO ₂ 積層したMIMダイオードにおける抵抗変化特性評価	大田 晃生 福嶋 太紀 牧原 克典 村上 秀樹 東 清一郎 宮崎 誠一	電子情報通信学会技術研究報告	113	87	61-66	2013	その他
Determination of Bandgap Energy of Thermally-Grown Si- and Ge- Oxides from Energy Loss Spectra of Photoelectrons	Akio Ohta Hideki Murakami Seiichiro Higashi Seiichi Miyazaki	The 8 th International Conference on Silicon Epitaxy and Heterostructures (ICSI-8) and the 6 th International Symposium on Control of Semiconductor Interfaces (ISCSI-VI) (ICSI-8 / ISCSI-VI)			273-274	2013	国際会議議事録
Explosive Crystallization of Amorphous Germanium Films Induced by Atmospheric Pressure Micro-Thermal-Plasma-Jet Irradiation	Takahiro Kamikura Shohei Hayashi Seiji Morisaki Yuji Fujita Muneki Akazawa Seiichiro Higashi	The 8 th International Conference on Silicon Epitaxy and Heterostructures (ICSI-8) and the 6 th International Symposium on Control of Semiconductor Interfaces (ISCSI-VI) (ICSI-8 / ISCSI-VI)			157-158	2013	国際会議議事録

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Growth Control of Crystalline Silicon during Microsecond Phase Transformation and Its Application to Thin-Film Transistor Fabrication	Seiichiro Higashi Shohei Hayashi Seiji Morisaki Yuji Fujita	2013 Asia-Pacific Workshop on Fundamentals and Applications of Advanced Semiconductor Devices(AWAD2013)			265-269	2013	国際会議議事録
Grain Growth Control by Micro-Thermal-Plasma-Jet Irradiation to Amorphous Silicon Strips through Slit Masks and Its Application to High-Performance Thin-Film Transistors	S. Hayashi Y. Fujita S. Morisaki T. Kamikura S. Yamamoto M. Akazawa S. Higashi	Proc.AM-FPD 13			113-116	2013	国際会議議事録
Local Area Transfer and Simultaneous Crystallization of Amorphous Si Films with Midair Structure Induced by Near-Infrared Semiconductor Diode Laser Irradiation	Kohei Sakaïke Yoshitaka Kobayashi Shogo Nakamura Muneki Akazawa Shohei Hayashi Seiji Morisaki Mitsuhisa Ikeda Seiichiro Higashi	Abs. The 25 th International Conference on Amorphous and Nano-crystalline Semiconductors(ICANS 25)			40	2013	国際会議議事録
Atmospheric Pressure Thermal Plasma Jet annealing for 4H-SiC and Aluminium Activation	Keisuke Maruyama Hiroaki Hanafusa Ryuhei Ashihara Shunki Koyanagi Shohei Hayashi Hideki Murakami Seiichiro Higashi	Proc. Int. Symp. Dry Process (DPS2013)			109-110	2013	国際会議議事録
Grain Growth Control during Leading Wave Crystallization Induced by Micro-Thermal-Plasma-Jet Irradiation to Amorphous Silicon Films	S.Hayashi S.Morisaki T.Kamikura S.Yamamoto K.Sakaïke M.Akazawa S.Higashi	Proc. Int. Symp. Dry Process (DPS2013)			43-44	2013	国際会議議事録
As and Al Activation in SiC Wafer by Atmospheric Thermal Plasma Jet Annealing	H. Hanafusa R. Ashihara K. Maruyama S. Koyanagi S. Hayashi H. Murakami S. Higashi	Ext.Abs.2013 Int.Conf. Solid State Dev. Mat.(SSDM 2013)			472-473	2013	国際会議議事録
XPS Study of Energy Band Alignment between Hf-La Oxides and Si(100)	Akio Ohta Hideki Murakami Seiichiro Higashi Seiichi Miyazaki	ECS Trans	58	9	293-300	2013	原著論文
XPS Study of Energy Band Alignment between Hf-La Oxides and Si(100)	Akio Ohta Hideki Murakami Seiichiro Higashi Seiichi Miyazaki	Trans. Mat. Res. Soc. Jpn.,	38	3	353-357	2013	原著論文
Contact Property of 4H-SiC with Phosphorus-Doped and Crystallized Amorphous-Silicon Insertion Layer	H. Hanafusa A. Ohta R. Ashihara K. Maruyama T. Mizuno S. Hayashi H.Murakami S. Higashi	Tech. Dig.International Conference on Silicon Carbide and Related Materials 2013 (ICSCRM2013)			22	2013	国際会議議事録
Study on As ⁺ Ion Implantation into Ge at Different Substrate Temperatures	Takahiro Ono Kuniaki Hashimoto Akio Ohta Hideki Murakami Hiroaki Hanafusa Seiichiro Higashi Seiichi Miyazaki	Ext. Abs.2013 Int. Workshop on DIELECTRIC THIN FILMS FOR FUTURE ELECTRON DEVICES- SCIENCE AND TECHNOLOGY -(2013 IWDTF)			127-128	2013	国際会議議事録

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Impact of Post-Metallization Annealing on Chemical Bonding Features in Ge-MIS Structure with HfO ₂ /TaGe _x O _y Stack	Kuniaki Hashimoto Takahiro Ono Akio Ohta Hideki Murakami Seiichiro Higashi Seiichi Miyazaki	Ext. Abs.2013 Int. Workshop on DIELECTRIC THIN FILMS FOR FUTURE ELECTRON DEVICES- SCIENCE AND TECHNOLOGY -(2013 IWDTF)			49-50	2013	国際会議議事録
Large Area Transfer of Silicon Films with Midair Cavity Using Meniscus Force	Shogo Nakamura Kohei Sakaïke Muneki Akazawa Takashi Fukunaga Shohei Hayashi Seiichiro Higashi	Tech. Dig. 23 rd Int. Photovoltaic Sci. Eng. Conf. (PVSEC-23)			1-O-33	2013	国際会議議事録
Resistive Switching Properties of SiO _x /TiO ₂ Multi-Stack in Ti-Electrode Mim Diodes	Akio Ohta Katsunori Makihara Motoki Fukusima Hideki Murakami Seiichiro Higashi Seiichi Miyazaki	224 th The Electrochemical Society (ECS) Meeting			Abs.No.2247	2013	国際会議議事録
Highly-Crystallized Ge:H Film Growth from GeH ₄ Very High Frequency Inductively-Coupled Plasma: Crystalline Nucleation Initiated by Ni Nanodots	Katsunori Makihara Jin Gao Kohei Sakaïke Shohei Hayashi Hidenori Deki Mitsuhisa Ikeda Seiichiro Higashi Seiichi Miyazaki	Jpn. J. Appl. Phys	52	11	11NA04-1-11NJ04-3	2013	原著論文
Characterization of Resistive Switching Behaviors of RF Sputtered Si Oxide ReRAMs with Ti-based Electrodes	Akio Ohta Motoki Fukusima Katsunori Makihara Hideki Murakami Seiichiro Higashi Seiichi Miyazaki	Jpn. J. Appl. Phys	52	11	11NJ06-1-11NJ06-5	2013	原著論文
Local Transfer of Single-Crystalline Silicon (100) Layer by Meniscus Force and Its Application to High-Performance MOSFET Fabrication on Glass Substrate	M. Akazawa K. Sakaïke S. Nakamura T. Fukunaga S. Hayashi S. Morisaki S. Higashi	2013 IEEE International Electron Devices Meeting (IEDM2013)			39	2013	国際会議議事録
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Fabrication of Short Channel Thin Film Transistors by Channel Doping and Micro Thermal Plasma Jet Crystallization and Their Application to High Frequency Operation of CMOS Circuits	Seiji Morisaki Shohei Hayashi Takahiro Kamikura Shogo Yamamoto Seiichiro Higashi	Abs.10th International Thin-Film Transistor Conference (ITC2014),			15	2014	国際会議議事録
Investigation on Crack Generation Mechanism and Reduction of Cracks Using Buffer Layer in Thermal-Plasma-Jet Crystallization of Amorphous Silicon Films on Glass Substrate	Keisuke Tanaka Shohei Hayashi Takahiro Kamikura Tsubasa Mizuno Seiichiro Higashi	8th International Conference on Reactive Plasmas 31st Symposium on Plasma Processing(ICRP-8/SPP-31)			7A-AM-03.	2014	国際会議議事録
Fabricating metal-oxide-semiconductor field-effect transistors on a polyethyleneterephthalate substrate by applying low-temperature layer transfer of a single-crystalline silicon layer by meniscus force	Kohei Sakaïke Muneki Akazawa Shogo Nakamura Seiichiro Higashi	Appl. Phys. Letters	103		233510	2013	原著論文

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Properties of Al Ohmic contacts to n-type 4H-SiC employing a Phosphorus-Doped and Crystallized Amorphous-Silicon Interlayer	Hiroaki Hanafusa Akio Ohta Ryuhei Ashihara Keisuke Maruyama Tsubasa Mizuno Shohei Hayashi Hideki Murakami Seiichiro Higashi	Materials Science Forum	Vols. 778-780		649-652.	2014	原著論文
Investigation of silicon grain structure and electrical characteristics of TFTs fabricated using different crystallized silicon films by atmospheric pressure micro-thermal-plasma-jet irradiation	Shohei Hayashi Seiji Morisaki Takahiro Kamikura Shogo Yamamoto Kohei Sakaike Muneki Akazawa Seiichiro Higashi	Jpn. J. Appl. Phys	53	3	03DG02-1-03DG02-6	2014	原著論文
Analysis and Modeling of Geometry Dependent Thermal Resistance in Silicon-on-Insulator Metal-Oxide-Semiconductor Field-Effect Transistors	X. Zhou T. Inoue M. Kitamura K. Matsuura M. Miyake T. Iizuka T. Umeda H. Kikuchihara H. J. Mattausch J. He M. Miura-Mattausch	Jpn. J. Appl. Phys.	52	04CC29	1-5	2013	原著論文
Compact Modeling of Floating-Base Effect in IGBT Based on Potential Modification by Accumulated Charge	T. Yamamoto M. Miyake M. Miura-Mattausch	Jpn. J. Appl. Phys.	52	04CP07	1-5	2013	原著論文
Universal Properties and Compact Modeling of Dynamic Hot-Electron Degradation in n-MOSFETs	H. Tanoue A. Tanaka Y. Oodate T. Nakahagi C. Ma M. Miyake T. Iizuka H. J. Mattausch M. Miura-Mattausch K. Matsuzawa S. Yamaguchi T. Hoshida A. Kinoshita T. Arakawa	IEEE Int. Reliability Physics Conference			CM 4.1-4.6	2013	国際会議事録
Compact Reliability Model for Degradation of Advanced p-MOSFETs Due to NBTI and Hot-Carrier Effects in the Circuit Simulation	C. Ma H. J. Mattausch M. Miyake T. Iizuka M. Miura-Mattausch K. Matsuzawa S. Yamaguchi T. Hoshida M. Imade R. Koh T. Arakawa	IEEE Int. Reliability Physics Conference			2A3.1-3.6	2013	原著論文
Modeling of Trench-Gate Type HV_MOSFETs for Circuit Simulation	T. Iizuka K. Fukushima A. Tanaka T. Sakuda H. Kikuchihara M. Miyake H. J. Mattausch M. Miura-Mattausch	IEICE TRANS. ELECTRON.	E96-C	5	744-751	2013	原著論文
Compact Super-Junction MOSFET Model Considering the Specific Potential Distribution due to 2-Fold Resistance Effect	M. Kitamura T. Umeda A. Saitou M. Miyake T. Inoue F. Ueno H. Kikuchihara H. J. Mattausch M. Miura-Mattausch	Proc. The 14th IEEE Workshop on Control and Modeling for Power Electronics				2013	国際会議事録

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Compact Modeling of SOI MOSFETs with Ultra Thin Silicon and BOX Layers for Ultra Low Power Applications	Y. Fukunaga M. Miura-Mattausch U. Feldmann H. Kikuchihara M. Miyake H. J. Mattausch T. Nakagawa	International Conference on Simulation of Semiconductor Process and Devices			284 - 287	2013	原著論文
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Compact Modeling of the SiC IGBT Including the Switching at High Temperature	K. Matsuura M. Miura-Mattausch M. Miyake H. J. Mattausch	Proc. the 11th Int. Workshop on Compact Modeling			35-39	2014	国際会議議事録
Experimental Verification of Power MOSFET Model under Switching Operations	A. Saito M. Miura-Mattausch M. Miyake T. Umeda H. J. Mattausch	Proc. the 11th Int. Workshop on Compact Modeling			41-44	2014	国際会議議事録
Development of NBTI and Channel Hot Carrier(CHC) Effect Models and their Application for Circuit Aging Simulation	C. Ma H. J. Mattausch K. Matsuzawa S. Yamaguchi T. Hoshida M. Imade R. Koh T. Arakawa M. Miura-Mattausch	Proc. the 11th Int. Workshop on Compact Modeling			49-52	2014	国際会議議事録
Analysis of Short-Channel Effect in SOTB-MOSFET for Ultra-Low Power Applications	H. Miyamoto H. Kikuchihara Y. Fukunaga T. Umeda H. J. Mattausch M. Miura-Mattausch	The 10th Workshop of the Thematic Network on Silicon on Insulator Technology, Devices and Circuits				2014	国際会議議事録
Compact modeling of SOI MOSFETs With Ultrathin Silicon and BOX Layers	M. Miura-Mattausch U. Feldmann Y. Fukunaga M. Miyake H. Kikuchihara F. Ueno H. J. Mattausch T. Nakagawa N. Sugii	IEEE Trans. Electron. Devices	61		255-265	2014	原著論文
1.2-V 101-GHz W-band power amplifier integrated in a 65-nm CMOS technology	U. Yodprasit K. Katayama R. Fujimoto M. Motoyoshi M. Fujishima	2013 International Semiconductor Conference Dresden- Grenoble			1-4	2013	国際会議議事録
9dB NF and +11dBm OIP3 CMOS single conversion front-end for a satellite low-noise block down-converter	T. Mitsunaka Y. Kishino M. Yamanoue K. Iizuka M. Fujishima	IEICE TRANSACTIONS on Fundamentals of Electronics, Communications and Computer Sciences	E97-A	1	101-108	2014	原著論文
98 mW 10 Gbps Wireless Transceiver Chipset With D-Band CMOS Circuits	M. Fujishima M. Motoyoshi K. Katayama K. Takano N. Ono R. Fujimoto	IEEE Journal of Solid- State Circuits	48	10	2273-2284	2013	原著論文
120GHz ASK Transceiver Chipset Realized with Four Transistors	K. KATAYAMA K. YONEMOTO M. MOTOYOSHI K. TAKANO M. FUJISHIMA	THAILAND JAPAN MICROWAVE				2013	国際会議議事録

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135GHz 98mW 10Gbps CMOS amplitude shift keying transmitter and receiver chipset	M. Motoyoshi N. Ono K. Katayama K. Takano M. Fujishima	IEICE TRANSACTIONS on Fundamentals of Electronics, Communications and Computer Sciences	E97-A	1	86-93	2014	原著論文
135GHz CMOS Small-Signal Amplifier with Power-Efficient Bias Method	M. Motoyoshi K. Takano K. Katayama M. Fujishima	Asia-Pacific Microwave Conference			348-350	2013	国際会議議事録
209mW 11Gbps 130GHz CMOS Transceiver for Indoor Wireless Communication	K. Katayama M. Motoyoshi K. Takano C. Y. Li M. Fujishima	IEEE Asian Solid-State Circuits Conference			409-412	2013	国際会議議事録
A low-power 71GHz-band CMOS transceiver module with on-board antenna for multi-Gbps wireless interconnect	K. Nakajima A. Maruyama T. Murakami M. Kohtani T. Sugiura E. Otobe J. Lee S. Cho K. Kwak J. Lee M. Fujishima	Asia-Pacific Microwave Conference			357-359	2013	国際会議議事録
CMOS power amplifier with temperature compensation for 79 GHz radar system	T. Yoshida K. Takano C. Y. Li M. Motoyoshi K. Katayama M. Fujishima	Asia-Pacific Microwave Conference			239-241	2013	国際会議議事録
Development of an implantable wireless ECoG 128ch recording device for clinical brain machine interface	K. Matsushita M. Hirata M. T. Suzuki H. Ando Y. Ota F. Sato S. Morris T. Yoshida H. Matsuki T. Yoshimine	2013 35th Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC)			1867-1870	2013	国際会議議事録
Evaluation for temperature dependence and lifetime of 79GHz power amplifier	C. Li T. Yoshida K. Katayama M. Motoyoshi K. Takano S. Amakawa M. Fujishima	2013 International Meeting for Future of Electron Devices, Kansai (IMFEDK)			100-101	2013	国際会議議事録
Low-Power High-Speed Communication with Short-Millimeter-Wave CMOS Transceivers	M. Fujishima	The IEEE 10th International conference on ASIC				2013	国際会議議事録
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Low-power high-speed D-band CMOS circuits for dependable wireless system	M. Fujishima	6th Global Symposium on Millimeter Wave			1-4	2013	国際会議議事録
Millimeter-Wave CMOS On-Chip Transformer Balun with Ports Arranged Asymmetrically for Imbalance Reduction	K. YONEMOTO K. TAKANO M. MOTOYOSHI K. KATAYAMA S. AMAKAWA T. YOSHIDA M. FUJISHIMA	THAILAND JAPAN MICROWAVE				2013	国際会議議事録

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Multi-Channel ECoG Recording System with UWB Wireless Data Transmitter for Fully Implantable Brain-Machine Interfaces	H. Ando K. Takizawa T. Yoshida K. Matsushita M. Hirata T. Yoshimine T. Suzuki M. Fujishima	2013 35th Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC)			No.3383	2013	国際会議議事録
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Process parameter calibration for millimeter-wave CMOS back-end device design with electromagnetic field analysis	S. Amakawa A. Orii K. Katayama K. Takano M. Motoyoshi T. Yoshida M. Fujishima	International Conference on Microelectronic Test Structures (ICMTS)	-	-	182-187	2014	国際会議議事録
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3軸結晶配向巨大線状Si 結晶グレインを用いた高性能 poly-Si 薄膜トランジスタ	山野真幸 黒木伸一郎 佐藤旦 小谷光司	薄膜材料デバイス研究会第10回研究集会アブストラクト集			236-239	2013	原著論文
A 0-27 GHz -30 dB Isolation Tx/Rx Single Pole Double Throw (SPDT) Switch for Gaussian Monocycle Pulse Transmission	A. Azhari K. Sogo M. Wang A. Toya T. Kikkawa	2013 International Conference on Solid State Devices and Materials				2013	原著論文
A breast cancer detection system using 198 ps Gaussian monocycle pulse CMOS transmitter and UWB antenna array	T. Sugitani S. Kubota M. Hafiz A. Toya T. Kikkawa	2013 URSI International Symposium on Electromagnetic Theory			372-375	2013	原著論文
A Compact 4x4 Planar UWB Antenna Array for 3-D Breast Cancer Detection	T. Sugitani S. Kubota A. Toya X. Xiao T. Kikkawa	IEEE Antennas and Wireless Propagation Letters	12		733-736	2013	原著論文
A Hardware-Accelerated Reduced Dimensionality Multi-Prototype Learning and Recognition System with Complementary Classifiers	I. B. Wicaksono F. An H.J. Mattausch	Proceedings of the IEEE International Conference on Cybernetics and Intelligent Systems & Robotics, Automation and Mechatronics (CIS-RAM'2013)			1-6	2013	原著論文

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A simple and effective hardware oriented feature extraction algorithm for colorectal endoscopic images with nbi magnification	Tsubasa Mishima Satoshi Shigemi Anh-Tuan Hoang Tetsushi Koide Toru Tamaki Bisser Raytchev Kazufumi Kaneda Yoko Kominami Rie Miyaki Taiji Matsuo Shigeto Yoshida Shinji Tanaka	the 28th International Conference on Circuits/Systems, Computers and Communications (ITC-CSCC) 2013			567-570	2013	原著論文
Advanced DC-SF Cell Technology for 3-D NAND Flash	S. Aritome Y. Noh H. Yoo E. S. Choi H. S. Joo Y. Ahn B. Han S. Chung K. Shim K. Lee S. Kwak S. Shin I. Choi S. Nam G. Cho D. Sheen S. Pyi J. Choi S. Park J. Kim S. Lee S. Hong S. Park T. Kikkawa	IEEE Transactions on Electron Devices	60	4	1327-1333	2013	原著論文
An fpga implementation of support vector machine identifier for colorectal endoscopic images with nbi magnification	Satoshi Shigemi Yoshimasa Sakashita Tsubasa Mishima Anh-Tuan Hoang Tetsushi Koide Toru Tamaki Bisser Raytchev Kazufumi Kaneda Yoko Kominami Rie Miyaki Taiji Matsuo Shigeto Yoshida Shinji Tanaka	the 28th International Conference on Circuits/Systems, Computers and Communications (ITC-CSCC) 2013			571-572	2013	原著論文
Analysis and Further Improvements of the Drain-Resistance Modeling in HiSIM_HV	T. Umeda H. Kikuchihiro H.J. Mattausch M. Miura-Mattausch	Proceedings of the 10th International Workshop on Compact Modeling (IWCM'2013)			7-11	2013	原著論文
Benchmarking of a Surface Potential Based Organic Thin-Film Transistor Model against C10-DNTT High Performance Test Devices	T. K. Maiti T. Hayashi H. Mori M. J. Kang M. Miyake T. Iizuka K. Takimiya M. Miura-Mattausch H.J. Mattausch	Proceedings of the 2013 IEEE International Conference on Microelectronic Test Structures (ICMTS' 2013)			157-161	2013	原著論文
Biomolecule detection based on Si single-electron transistors for practical use	Anri Nakajima Takashi Kudo Sadaharu Furuse	Appl. Phys. Lett.	103	4	043702-1-043702-4	2013	原著論文
Characteristics of metal-oxide-semiconductor field-effect transistors with a functional gate using trap charging for ultralow power operation	Takashi Kudo Takashi Ito Anri Nakajima	J. Vac. Sci. & Technol. B	31	1	012206-1-012206-7	2013	原著論文

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Customizable Hardware Architecture of Support Vector Machine in CAD System for Colorectal Endoscopic Images with NBI Magnification	Satoshi Shigemi Tsubasa Mishima Anh-Tuan Hoang Tetsushi Koide Toru Tamaki Bisser Raytchev Kazufumi Kaneda Yoko Kominami Rie Miyaki Taiji Matsuo Shigeto Yoshida Shinji Tanaka	The 18th Workshop on Synthesis And System Integration of Mixed Information technologies (SASIMI 2013),			298-303	2013	原著論文
Development of feature extraction architecture for computer-aided diagnosis system for colorectal endoscopic images with NBI Magnification	Tsubasa Mishima Satoshi Shigemi Anh-Tuan Hoang Tetsushi Koide Toru Tamaki Bisser Raytchev Kazufumi Kaneda Yoko Kominami Rie Miyaki Taiji Matsuo Shigeto Yoshida Shinji Tanaka	Proc. of the 15th IEEE Hiroshima Student Symposium (HISS15th)			B82-1-B82-4	2013	原著論文
Development of type identification architecture for computer-aided diagnosis system for colorectal endoscopic images with NBI Magnification	Satoshi Shigemi Tsubasa Mishima Anh-Tuan Hoang Tetsushi Koide Toru Tamaki Bisser Raytchev Kazufumi Kaneda Yoko Kominami Rie Miyaki Taiji Matsuo Shigeto Yoshida Shinji Tanaka	Proc. of the 15th IEEE Hiroshima Student Symposium (HISS15th)			B79-1-B79-4	2013	原著論文
Development of Unified Predictive NBTI Model and its Application for Circuit Aging Simulation	C. Ma H.J. Mattausch M. Miyake T. Iizuka K. Matsuzawa S. Yamaguchi T. Hoshida A. Kinoshita T. Arakawa J. He M. Miura-Mattausch	Proceedings of the 10th International Workshop on Compact Modeling (IWCM'2013)			47-50	2013	原著論文
Die-to-Die and Within-Die Fabrication Variation of 65nm CMOS Technology PMOS Transistors	A.A. Khan Y. Ohnari A. Dutta S. Singh M. Miura-Mattausch H.J. Mattausch	Proceedings of the 2013 IEEE International Conference on Electronics, Computing and Communication Technologies (CONECCT' 2013)			ID:1569 1-6 677311	2013	原著論文
Die-to-Die and Within-Die Variation Extraction for Circuit Simulation with Surface-Potential Compact Model	Y. Ohnari A.A. Khan A. Dutta M. Miura-Mattausch H.J. Mattausch	Proceedings of the 2013 IEEE International Conference on Microelectronic Test Structures (ICMTS' 2013)			146-150	2013	原著論文

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Excellent retention characteristics of nanocomposite gate insulator consisting of fullerene-containing polystyrene	Anri Nakajima Daiki Fujii Masatoshi Uchino	Applied Physics Letters	103	1	013302-1-013302-4	2013	原著論文
Fabrication and Evaluation of Differential Si Ring Optical Resonator for Biosensors	T. Taniguchi Y. Amemiya T. Ikeda A. Kuroda S. Yokoyama	Extend. Abst. Int. Conf. on Solid State Devices and Materials (SSDM2013)			826-827	2013	原著論文
High performance poly-Si Thin Film Transistor with One-dimensionally Long Si Grains Using DLB Continuous-wave Laser Lateral Crystallization	Masayuki Yamano Shin-Ichiro Kuroki Tadashi Sato Koji Kotani	The proceedings of The Twentieth International Workshop on Active-Matrix Flatpanel Displays and Devices (AM-FPD13)			199-202	2013	原著論文
High Speed Approximation Feature Extraction in CAD System for Colorectal Endoscopic Images with NBI Magnification	Tsubasa Mishima Satoshi Shigemi Anh-Tuan Hoang Tetsushi Koide Toru Tamaki Bisser Raytchev Kazufumi Kaneda Yoko Kominami Rie Miyaki Taiji Matsuo Shigeto Yoshida Shinji Tanaka	The 18th Workshop on Synthesis And System Integration of Mixed Information technologies (SASIMI 2013)			209-213	2013	原著論文
HiSIM-IGBT: A Compact Si-IGBT Model for Power Electronic Circuit Design	M. Miyake D. Navarro U. Feldmann H.J. Mattausch T. Kojima T. Ogawa T. Ueta	IEEE Trans. on Electron Devices	Vol. 60	No. 2	571-579	2013	原著論文
Improvement of Spatial Resolution of Breast Cancer Detection Using 4x4 UWB Antenna Array with Impedance Matching Layer	T. Sugitani S. Kubota X. Xiao T. Kikkawa	2013 International Conference on Solid State Devices and Materials				2013	原著論文
Investigation of SiC p-i-n Diode Reverse-Recovery Effect for Compact Modeling	K. Matsuura M. Miyake A. Ueno H. J. Mattausch	Proceedings of the 16th International Workshop on Computational Electronics (IWCE' 2013)			262-263	2013	原著論文
K-means Clustering Algorithm for Multimedia Applications with Flexible HW/SW Co-design	F. An H.J. Mattausch	Journal of System Architecture	Vol. 59		155-164	2013	原著論文
Labeling Colorectal NBI Zoom-Videendoscope Image Sequences with MRF and SVM	Tsubasa Hirakawa Toru Tamaki Bisser Raytchev Kazufumi Kaneda Tetsushi Koide Shigeto Yoshida Yoko Kominami Taiji Matsuo Rie Miyaki Shinji Tanaka	The 35th Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC2013)				2013	原著論文
Low Ohmic Contact Formation of Ni Silicide on Partially Si Ion Implanted n+ 4H-SiC	Milantha de Silva Tadashi Sato Shin-Ichiro Kuroki Takamaro Kikkawa	Technical digest of The International Conference on Silicon Carbide and Related Materials 2013(ICSCRM2013)			62	2013	原著論文

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Low-k Mesoporous Pure Silica Zeolite Synthesis with Centrifugation Process of Zeolite Precursor	T. Sato S. Kuroki Y. Kayaba T. Kikkawa	2013 International Conference on Solid State Devices and Materials				2013	原著論文
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Mach-Zehnder Interferometer Optical Modulator With Cascade P/N Junctions	A. K. Sana R. Furutani Y. Amemiya S. Yokoyama	Extend. Abst. Int. Conf. on Solid State Devices and Materials (SSDM2013)			1004-1005	2013	原著論文
Memory Based Hardware-Accelerated System for High-Speed Human Detection	I. B. Wicaksono F. An H.J. Mattausch	Advanced Robotics	28	5	317-327	2014	原著論文
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Multi-Slot Stack-Type Ring Resonator for High Sensitivity Biosensor and Low Voltage Optical Modulator	Y. Amemiya T. Taniguchi T. Ikeda M. Fukuyama A. Kuroda S. Yokoyama	10th Int. Conf. on Group IV Photonics			9-10	2013	その他
Number recognition algorithm using the local feature quantity for real-time speed traffic-sign recognition	Masaharu Yamamoto Anh-Tuan Hoang Mutsumi Omori Tetsushi Koide	Proc. of the 15th IEEE Hiroshima Student Symposium (HISS15th)			B84-1-B84-4	2013	原著論文
On-Chip Folded Dipole Antennas for Inter-Chip UWB Signal Transmission	K. Hashimoto T. Sugitani S. Kubota T. Kikkawa	2013 International Conference on Solid State Devices and Materials				2013	原著論文
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Phosphorous Ion Implantation into NiGe Layer for Ohmic Contact Formation on n-Ge	Yuya Minoura Takuji Hosoi Jin Matsugaki Shin-Ichiro Kuroki Takayoshi Shimura Heiji Watanabe	2013 International Workshop on DIELECTRIC THIN FILMS FOR FUTURE ELECTRON DEVICES: SCIENCE AND TECHNOLOGY (IWDTF13)			101-102	2013	原著論文

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.)
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Planar UWB antenna array for breast cancer detection	T. Kikkawa T. Sugitani	2013 7th European Conference on Antennas and Propagation			339-343	2013	原著論文
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Quantitative analysis of NBI magnifying colonoscopy images based on Bag-of-Features for diagnosis of colorectal tumors	Yoko Kominami Shigeto Yoshida Shinji Tanaka Rie Miyaki Yoji Sanomura Taiji Matsuo Hiroyuki Kanao Shiro Oka Tsubasa Hirakawa Tsubasa Mishima Satoshi Shigemi Bisser Raytchev Toru Tamaki Tetsusi Koide Kazuhumi Kaneda Kazuaki Chayama	American Society for Gastrointestinal Endoscopy (ASGE) 2013				2013	原著論文
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Si Single-Electron Transistor based on Multiple Islands and Its Applications	Anri Nakajima	2013 Energy Materials Nanotechnology Fall Meeting (Orlando, December 7-10, 2013) (Invited presentation)			214-215	2013	原著論文
Smoothing Posterior Probabilities with a Particle Filter of Dirichlet Distribution for Stabilizing Colorectal NBI Endoscopy Recognition	Tsubasa Hirakawa Toru Tamaki Bisser Raytchev Kazufumi Kaneda Tetsushi Koide Yoko Kominami Rie Miyaki Taiji Matsuo Shigeto Yoshida Shinji Tanaka	IEEE International Conference on Image Processing (ICIP2013)				2013	原著論文
Speed traffic-sign recognition algorithm for real-time driving assistant system	Masaharu Yamamoto Anh-Tuan Hoang Mutsumi Omori Tetsushi Koide	Proceeding of the 18th Workshop on Synthesis And System Integration of Mixed Information Technologies (SASIMI 2013)			195-200	2013	原著論文

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Three-dimensional confocal imaging for breast cancer detection using CMOS Gaussian monocycle pulse transmitter and 4 × 4 ultra wideband antenna array with impedance matching layer	T. Sugitani S. Kubota A. Toya X. Xiao T. Kikkawa	Japanese Journal of Applied Physics		04EL03		2014	原著論文
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Word-Parallel Coprocessor Architecture for Digital Nearest Euclidean Distance Search	T. Akazawa S. Sasaki H.J. Mattausch	Proceedings of the 39th European Solid-State Circuits Conference (ESSCIRC'2013)			267-270	2013	原著論文

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Development of a 3D 4-mirror optical cavity for the ILC polarized positron source (ILC偏極陽電子源の為に3次元4枚鏡光共振器の開発)	赤木 智哉	高橋 徹	岡本 宏己 栗木 雅夫 世良 正文	2013
Development and Verification of Compact Model for NBTI (Negative Bias Temperature Instability) Effect Observed in p-MOSFET (p-MOSFETにおけるNBTI(Negative Bias Temperature Instability)効果のモデル開発)	馬 晨月	三浦 道子	マウシュハンスルゲン 東 清一郎 He, Jin	2013
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Studies on a novel degradation pathway of 4-chloroaniline and chemotaxis to 4-chloroaniline in <i>Pseudomonas</i> strains (<i>Pseudomonas</i> 細菌における新規4-クロロアニリン分解経路と4-クロロアニリン走化性に関する研究)	NITISAKULKAN TISANA	加藤 純一	山田 隆 黒田 章夫 中島田 豊 Vangnai, Alisa	2013
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Studies on the regulatory mechanism of cell growth and life span in budding yeast (出芽酵母の細胞増殖と寿命の制御機構に関する研究)	椿山 諒平	水沼 正樹	土屋 英子 山下 一郎 平田 大	2014
Studies on mode of action of plant extracts based on nutrigenomics (ニュートリゲノミクス解析による植物抽出物の作用機序に関する研究)	本田 真一	平田 大	山田 隆 山下 一郎 河本 正次	2014
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Current Development in Optical Fiber Technology Chapter 11: Investigation of Bioluminescence at an Optical Fiber End for a High-Sensitive ATP Detection System	Masataka Iinuma Ryota Tanaka Eriko Takahama Takeshi Ikeda Yutaka Kadoya Akio Kuroda	INTECH	2013	単訳
第二の産業革命 スマートシステム	高萩隆行	AMAZOM Kindle版	2013	単著
Hydrogen Storage Materials. In S. L. Suib (Eds.). New and Future Development in Catalysis: Catalysis in Batteries, Hydrogen Storage, and Fuel Cells (pp.99-136).	Yoshitsugu Kojima Hiroki Miyaoka Takayuki Ichikawa	Elsevier	2013	分担執筆
基礎から学ぶ生物化学工学演習	大政健史 荻野千秋 滝口昇 中島田豊 仁宮一章	コロナ社	2013	分担執筆
微生物燃料電池による排水処理システム最前線	柿菌俊英	エヌ・ティー・エス	2013	分担執筆
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ケミカルバイオロジー：成功事例から学ぶ研究戦略	水沼正樹	丸善出版	2013	分担訳

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)
電流増幅素子および電流増幅方法	樋口克彦 樋口雅彦	5283119	日本	2013/6/7
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プラズマディスプレイパネルの封止方法、封止機 構、封止装置	梶山博司 篠田傳 内田一也	5252301	日本	2013/4/26
半導体装置	小出哲士 マタウン ハンスユルゲン 石崎雅勝 熊木武志 田上正治 今井雄太 行天隆幸 野田英行 奥野義弘 有本和民	5261738	日本	2013/5/10
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