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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. Otono	Abs 5th International Meeting on Molecular Electronics			326	2010	
Controlled motion of dynein-microtubule system by patterned resist polymer	N. Ashikari Y. Shitaka H. Sakaue T. Takahagi H. Kojima K. Oiva H. Suzuki	Abs. 9th International Conference on Nano-Molecular Electronics			83	2010	
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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	
Anomalous hydrogen absorption on non-stoichiometric iron-carbon compound	Myaoka Hiroki Takayuki Ichikawa Fujii Tatsuo Ishida Wataru Isobe Shigshito Fuji Hironobu Yoshitsugu Kojima	JOURNAL OF ALLOYS AND COMPOUNDS	507	2	547-550	2010	
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	

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Crystal structure and dynamics of Mg(ND ₃) ₆ Cl·2	Sorby, Magnus H Lowik, Ole Martin Tsubota Masami Takayuki Ichikawa Yoshitsugu Kojima Hauback, Bjorn C	PHYSICAL CHEMISTRY CHEMICAL PHYSICS	13	7	7644-7648	2011	
Electronic structure of lithium amide	Kamakura N Takeda Y Kinoshita T Saitoh Y Yamagami H Tsubota M Paik B Takayuki Ichikawa Yoshitsugu Kojima Muro, T Kato, Y	PHYSICAL REVIEW B	83	3	033103	2011	
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Hydrogen Exchange Effect in MgH ₂ -LiBH ₄ System	L. Zeng H. Myaoka Takayuki Ichikawa Yoshitsugu Kojima	Materials Science Forum		654-656	2855	2010	
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Thermal decomposition of alkaline-earth metal hydride and ammonia borane composites	Zhang Yu Shimoda, Keiji Myaaka, Hiroki Takayuki Ichikawa Yoshitsugu Kojima	INTERNATIONAL JOURNAL OF HYDROGEN ENERGY	35	22(Sp. Iss. S1)	12405-12409	2010	
Thermodynamic Characterization on Hydrogen Absorption and Desorption Reactions of Lithium-Silicon Alloy	Koichi Doi Satoshi Hino Hiroki Myaaka Takayuki Ichikawa Yoshitsugu Kojima	Materials Science Forum		654-656	2815	2010	
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	
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Thermal decomposition studies of [Ni(NH ₃) ₆] ²⁺ X ⁻ (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	
Multiple magnetic transitions in a frustrated heavy-femion 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	

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Resolvase-like serine recombinase mediates integration/excision in the bacteriophage φRSM	A. Askora T. Kawasaki M. Fujie T. Yamada	J. Biosci. Bioeng	111	2	109-116	2011	
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. Gomon A. Kuo E. Lindquist S. Lucas J. Panglinan 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	
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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	
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	
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	

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Metabolism and synthesis of lipids in the polyunsaturated fatty acid-producing fungus <i>Mortierella alliacea</i> .	W J Jemsuntiea T. Aki S. Kawamoto K. Ono	J. Oleo Sci.	60	1	11-17	2011	
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	
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	
Purification and characterization of intracellular lipase from the polyunsaturated fatty acid-producing fungus <i>Mortierella alliacea</i> .	W J Jemsuntiea T. Aki R. Toyoura K. Ivashita S. Kawamoto K. Ono	NewBiotechnol.	28	2	207-218 158-164	2011	
Enhanced production of squalene in the thraustochytrid <i>Aurantiocytrium 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	
Optimization of nitrogen source for enhanced production of squalene from thraustochytrid <i>Aurantiocytrium</i> sp.	G. Chen K.W Fan F.P. Lu Q. Li T. Aki F. Chen Y. Jiang	NewBiotechnol.	27	4	382-389	2010	
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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	
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	
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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	
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. Kadovaki D. Hirata K. Ono	Biosci. Biotechnol. Biochem	75	1	140-144	2011	
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	
Fission yeast Germinal Center (GC) kinase Ppk11 interacts with Pmo25 and plays an auxiliary role in concert with the morphogenesis Orb6 network (MDR) in cell morphogenesis	Testuya Goshima Kazunori Kume Takayuki Koyano Yoshikazu Ohya Takashi Toda Dai Hirata	J. Biol. Chem	285	45	35196-35205	2010	
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	
The mitosis- to- interphase transition is coordinated by cross talk between the SIN and MDR pathways in Schizosaccharomyces pombe	Samiddha Ray Kazunori Kume Sneha Gupta Wanzhong Ge Mohan Balasubramanian Dai Hirata Dannel McCallum	J. Cell Biol.	190	5	793-805	2010	
Hippo Cross talk between the SIN and MDR pathways in fission yeast)			29	3	445-448	2011	
Characterization of the biosynthetic gene clusters located on the Streptomyces linear plasmid	K. Arakawa	Actinomycetologica	24	1	24-30	2010	
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		2717-2722	2011	

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Regulation of lankamycin biosynthesis in <i>Streptomyces rochei</i> by two SARP genes, <i>smY</i> and <i>smZ</i>	T. Suzuki S. Mochizuki S. Yamamoto K. Arakawa H. Kinashi	Biosci. Biotechnol. Biochem			819-827	2010	
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	2011
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	
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Improved methane fermentation of chiao taeto	K. Naka M. Uezono M. Nishio T. Nakashimada 111 potidin Y. U. Sei K. Nakashimada K. Nishio T. Nakashimada	Journal of Bioscience and Bioengineering	111	2	178-184	2011	an Naraka

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The impact of the overexpression of human UDP-galactose transporter gene <i>HUGT1</i> in tobacco plants.	MF.M Khalil H. Kajiura K. Fujiyama K. Koike N. Ishida N. Tanaka	J. Biosci. Bioeng	109	2	159-169	2010	

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Prediction of Circuit-Performance Variations from Technology Variations for Reliable 100nm SOC Circuit Design	N. Sadachika S. Minura A. Yumisaki K. Johguchi A. Kaya M Mura-Mattausch H. J. Mattausch	The Institute of Electronics, Information and Communication Engineers	E94-C	3	361-367	2010	
Effect of Carrier Transit delay on Complementary metal-Oxide-Semiconductor Switching Performance	D. Hori M Miyake N. Sadachika H. J. Mattausch M Mura-Mattausch	Japanese Journal of Applied Physics	49		04DC15-1-04DC15-4	2010	
A thru-only de-embedding method for on-wafer characterization of multiport networks	S. Amakawa N. Ishihara and K. Masu	Advanced Microwave Circuits and Systems			13-32	2010	
RF CMOS integrated circuit: history, current status and future prospects	N. Ishihara S. Amakawa K. Masu	IEICE Trans. Fundamentals	E94-A	2	556-567	2011	
Interconnect design challenges in nano CMOS circuit	K. Masu S. Amakawa H. Ito N. Ishihara	Key Engineering Materials	470		224-230	2011	
Development of high-frequency inductors using wafer-level packaging technology and its circuit application		C	J93-C	11	477-484	2010	
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Wide-band, high linear lownoise amplifier design in 0.18 μ m CMOS technology	M M Othman S. Amakawa N. Ishihara K. Masu	IEICE Electronics Express	7	11	759-764	2010	
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RF signal generator based on time-to-analog converter in 0.18 μ m complementary metal oxide semiconductor	K. Nakano S. Amakawa N. Ishihara K. Masu	Jpn. J. Appl. Phys.	49		04DE12	2010	
High-frequency half-integral subharmonic locked ring-VCO-based scalable PLL in 90 nm CMOS	S. Lee S. Amakawa N. Ishihara K. Masu	Asia-Pacific Microwave Conference			586-589	2010	
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Low-phase-noise wide-frequency-range differential ring-VCO with non-integral subharmonic locking in 0.18 μ m CMOS	S. Lee S. Amakawa N. Ishihara K. Masu	European Microwave Conference			1611-1614	2010	
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Modeling of RESURF LDMOS for accurate prediction of junction condition on device characteristics	T. Saito T. Tanaka T. Hayashi K. Kikuchi T. Kanamoto H. Masuda M. Miyake S. Amakawa H. J. Mattausch M. Mura-Mattausch	International Conference on Solid State Devices and Materials			163-164	2010	
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A wearably small low-power wireless pH sensor module incorporating an ion-sensitive field-effect transistor	T. Fujivara N. Ishihara S. Amakawa H. Yamanouchi H. Tanabe S. Nomura T. Konishi K. Machida, and K. Masu	International Meeting on Chemical Sensors			378	2010	
High voltage charge pump circuit in 0.18 μ m CMOS process for MEMS electrostatic actuators controlling	A. Shirane S. Amakawa N. Ishihara K. Masu	Integrated Circuits and Devices in Vietnam			17-19	2010	
Wideband, high-linearity low-noise amplifier design in sub-micrometer CMOS technology	M. M. Othman S. Amakawa N. Ishihara K. Masu	Progress In Electromagnetics Research Symposium			727-728	2010	
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Low-phase-noise wide-frequency-range ring-VCO based scalable PLL with subharmonic injection locking in 0.18 μ m CMOS	S. Lee S. Amakawa N. Ishihara K. Masu	IEEE MTT-S International Microwave Symposium			1178-1181	2010	
Formation Mechanism of Metal nanodots Induced by Remote Plasma Exposure	K. Makiyama K. Shimano A. Kawanami M. Ikeda S. Higashi S. Miyazaki	J. Optoelectronics Advanced Mat	12	3	pp. 626-630	2010	
Activation of B and As in Ultrashallow Junction During Millisecond Annealing Induced by Thermal Plasma Jet Irradiation	K. Matsumoto S. Higashi H. Murakami S. Miyazaki	Jpn. J. Appl. Phys	49	4	04DAC2	2010	
Effect of Chemical Composition of SiO ₂ Films on Rapid Formation of Si Nanocrystals Induced by Thermal Plasma Jet Irradiation	T. Okada S. Higashi H. Kaku K. Makiyama H. Furukawa Y. Hiroshige S. Miyazaki	Phys. Status Solidi	C7	3-4	pp. 732-734	2010	
Formation of High Crystallinity Silicon Films by High Speed Scanning of Melting Region Formed by Atmospheric Pressure DC Arc Discharge Micro-Thermal-Plasma-Jet and Its Application to Thin Film Transistor Fabrication	S. Hayashi S. Higashi H. Murakami S. Miyazaki	Appl. Phys. Express	3	6	061401	2010	
Formation of High Quality SiO ₂ and SiO ₂ /Si Interface using Thermal Plasma Jet Induced Millisecond Annealing and Post-Metallization Annealing	Y. Hiroshige S. Higashi K. Matsumoto S. Miyazaki	Jpn. J. Appl. Phys.	49	8	08J101	2010	
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Characterization of Interfaces between Chemically-Cleaned or Thermally-Oxidized Germanium and Metals	H. Murakami T. Fujioka A. Ohta T. Bando S. Higashi S. Miyazaki	ECS Trans	33	6	pp. 253-262	2010	
Characterization of Interfaces between Chemically-Cleaned or Thermally-Oxidized Germanium and Metals	H. Murakami T. Fujioka A. Ohta T. Bando S. Higashi S. Miyazaki	218th The Electrochemical Society Meeting (ECS)			1881	2010	
Characterization of Mg Diffusion into HfO ₂ /SiO ₂ /Si(100) Stacked Structures and Its Impact on Defect State Densities	A. Ohta D. Kanne H. Murakami S. Higashi S. Miyazaki	2010 Asia-Pacific Workshop on Fundamentals and Applications of Advanced Semiconductor Devices (AWAD)			7A.6	2010	
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Fabrication of High performance TFTs Using Micro-Thermal -Plasma- Jet Crystallized Strip Amorphous Silicon Films	Shohei Hayashi Mitsuhisa Ikeda Yusuke Nishida Ryohei Matsubara Seichiro Higashi	7th International Thin Film Transistor Conference				2011	
Formation and Characterization of Hybrid Nanodots Stack Structure and Its Application to Floating Gate Memories	S. Miyazaki M. Ikeda K. Makiyama H. Murakami S. Higashi	International Symposium on Technology Evolution for Silicon Nano- Interfaces (ISTESNE)			p. 25	2010	2010
Formation of High Density Pt Nanodots on SiO2 Ind Cst Thermal- Plasma- Jet	K. Makiyama K. Matsumoto M. Ikeda S. Higashi S. Miyazaki	International Symposium on Technology Evolution for Silicon Nano- Interfaces (ISTESNE)					

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Improvement of Low Temperature Deposited Gate SiO ₂ Films' Reliability by Atmospheric Pressure Discharge Thermal-Plasma-Jet-Induced Millisecond Annealing	Y. Hiroshige S. Higashi Y. Nishida S. Hayashi S. Miyazaki	2010 The Seventeenth International Workshop on Active-Matrix Flatpanel Displays and Devices (AM-FPD)			P-5	2010	
Improvement on Electrical Stress Endurance of Low Temperature Deposited SiO ₂ Films by Atmospheric Pressure Thermal-Plasma-Jet Annealing	Y. Nishida S. FericF		18ruv1-TY				

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