

## (Published Papers)

A. (Dept. of Quantum Matter)							
(Titles)	(Authors)	(Magazines)	(Vol.)	(No.)	(Pages)	(Year)	(Classif.)
Complex-Orbital Order in Fe <sub>3</sub> O <sub>4</sub> and Mechanism of the Verwey Transition		J. Phys. Soc. Jpn.	77	7	074711/1-15	(2008)	
Crystal-field level inversion in lightly Mn-doped Sr <sub>3</sub> Ru <sub>2</sub> O <sub>7</sub>		Phys. Rev. Lett.	101	1	016404/1-4	(2008)	
Direct Observation of t <sub>2g</sub> Orbital Ordering in Magnetite		Phys. Rev. Lett.	100	2	026406/1-4	(2008)	
High multipole transitions in NIXS: Valence and hybridization in 4f systems		Europhys. Lett.	81	1	26004/1-6	(2008)	
Soft X-ray Magnetic Circular Dichroism Study of Uranium Monochalcogenides at Uranium N <sub>4,5</sub> Absorption Edges		J. Phys. Soc. Jpn.	77	2	024706/1-6	(2008)	
Angle-resolved photoemission study of the strongly correlated semiconductor FeSi		Phys. Rev. B	77	20	205117/1-5	(2008)	
Consideration of the Effect of the Nonspherical Distribution of Electrons in Atomic Structures		Material transactions	49	8	1893-1899	(2008)	
Electronic and thermoelectric properties of the intermetallic compounds MNiSn (M=Ti, Zr and Hf)		J. Phys. Soc. Jpn.	77	5	054706/1-8	(2008)	
First-principles study of lead-free piezoelectric SnTiO <sub>3</sub>		Jpn. J. Appl. Phys.	47	9	7735-7739	(2008)	
Holes in the Valence Band of Superconducting Boron-Doped Diamond Film Studied by Soft X-ray Absorption and Emission Spectroscopy		J. Phys. Soc. Jpn.	77	5	054711/1-6	(2008)	
k <sub>p</sub> formalism for use with linearized augmented plane waves		Physical Review B	78	24	245107/1-13	(2008)	
Pair density functional theory utilizing the noninteracting reference system: An effective initial theory		B	78	12	125101	(2008)	
Scheme for calculating the orbital-dependent exchange-correlation potential using the virial theorem: Application to atomic systems		A	78	1	12501	(2008)	
Specific heat and electronic states of superconducting boron-doped silicon carbide		Phys. Rev. B	78	2	024517/1-10	(2008)	
The electronic structure of boron-doped diamond with B-H complex and B pair		Sci. Technol. Adv. Mater.	9	4	044211/1-4	(2008)	
Theoretical analysis of X-ray absorption spectra of Ti compounds used as catalysts in lithium amide/imide reactions		Phys. Rev. B	77	23	235114/1-7	(2008)	
Why are garnets not ferroelectric? - A theoretical investigation of Y <sub>3</sub> Fe <sub>5</sub> O <sub>12</sub>		Chem. Mater.	20	24	7545-7550	(2008)	
			43	7	511	(2008)	
Competition of magnetic and quadrupolar order parameters in HoB <sub>4</sub>	D. Okuyama T. Matsumura T. Mouri N. Ishikawa K. Ohoyama H. Hiraka H. Nakao K. Iwasa Y. Murakami	J. Phys. Soc. Jpn.	77	4	44709-1-14	(2008)	
Pressure Effect on the Multipole Interactions in Ce <sub>x</sub> Pr <sub>1-x</sub> B <sub>6</sub>		J. Phys. Soc. Jpn.	77		288-290	(2008)	
Pressure-induced phase transitions in PrB <sub>6</sub> : Electrical resistivity measurements	H. Iwakubo S. Ikeda Y. Kishino H. Tanida M. Sera F. Iga	Phys. Rev. B	78		012409(1-4)	(2008)	
Pressure-induced valence anomaly in TmTe probed by resonant inelastic x-ray scattering	I. Jarrige J.-P. Rueff S. R. Shieh M. Taguchi Y. Ohishi T. Matsumura C.-P. Wang H. Ishii N. Hiraoka Y. Q. Cai	Phys. Rev. Lett.	101	12	127401-1-4	(2008)	

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Raman scattering of RB6(R=Ca, Ce, Pr, Gd, Dy and Yb)	physica	N. Ogita= S. Nagai= N. Okamoto= M Udagawa= F. Iga= M Sera= J. Akimitsu and S. Kunii	B329-333		661-662	(2008)	
Structural phase transition in the spin gap system YbAl3C3	T. Matsumura T. Inami M Kosaka Y. Kato T. Inukai A. Ochiai H. Nakao Y. Murakami S. Katano H. S. Suzuki	J. Phys. Soc. Jpn	77	10	103601-1-4	(2008)	
Suppression of Phase IV in CexLa1-xBy by R-ion Ba8Ga16Sn30 with type-I clathrate structure: Drastic suppression	M A. Avila K. Suekuni  H. Fukuoka	J. Phys. Soc. Jpn. Appl. Phys. Lett.	77 92		285-287 041901	(2008) (2008)	
Effects of rattling on electrical and thermal conductivity in AOS4Sb12 (A=Sr Ba La Ce) single crystals	S. Narazu Y. Hadano  H. Sugawara	J. Phys. Soc. Jpn. Suppl. A.	77		238-241	(2008)	
Energetics of endohedral atoms in type-I clathrates observed by soft x-ray spectroscopy	J. Tang T. Rachi R. Kumashiro M A. Avila K. Suekuni  FZ. Guo K. Kobayashi K. Akai K. Tanigaki	Phys. Rev. B	78		85203	(2008)	
EXAFS study of n- and p-type Ba8Ga16Ge30	Y. Jiang F. Bridges M A. Avila	Phys. Rev. B	78		014411	(2008)	
Giant Uniaxial Anisotropy in the Magnetic and Transport Properties of CePd5Al2	J. Guzman G. Kurczveil T. Onimaru Y. F. Inoue K. Shigetoh K. Urneo H. Kubo R. A. Ribeiro A. Ishida M A. Avila K. Ohoyama M Sera T. Takabatake	Journal of Physical Society of Japan	77	7	074708-1-8	(2008)	
Guest ion motion in cage structure crystals investigated by Raman scattering	T. Hasegawa T. Takasu  K. Suekuni M A. Avila  Y. Ishikawa N. Takeda Y. Nemoto T. Goto H. Sugawara D. Kikuchi H. Sato C. Sekine I. Shirotani J. Yamaura Y. Nagano Z. Hiroi	J. Phys. Soc. Jpn. Suppl. A.	77		142-147	(2008)	

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Heavy fermion behaviors of Tm <sub>2</sub> Rh <sub>12</sub> P <sub>7</sub>	K. Tatematsu N. Takeda Y. Araki K. Fukuda Y. Yamada T. Nishioka K. Kodama K. Shimizu T. Matsushita N. Wada S. Narazu	J. Phys. Soc. Jpn. Suppl. A.	77		353- 355	(2008)	
Inelastic neutron scattering study of spin gap formation in heavy fermion compounds		Journal of Optoelectronics and Advanced Materials	10	7	1564- 1582	(2008)	
Low- field Knight shift measurement at Sb site for alkaline- earth filled skutterudites AFe <sub>4</sub> Sb <sub>12</sub> (A = Sr and Ca)	A. Sakurai M Matsumura H. Kato T. Nishioka E. Matsuoka K. Hayashi	J. Phys. Soc. Jpn.	77	6	063701	(2008)	
Magnetic order and multipole interactions in CexPr <sub>1-x</sub> B <sub>6</sub> solid solutions	J.-M Mgnot G. André J. Robert M Sera F. Iga	Phys. Rev. B	78		014415(1-10)	(2008)	
Magneto- Optic Effect in Amorphous Bi <sub>3</sub> Fe <sub>5</sub> O <sub>12</sub> Waveguides Sputtered at Room Temperature	T. Taura Y. Shishido Y. Tanushi T. Tokunaga T. Onimaru S. Yokoyama	Japanese Journal of Applied Physics	47	5	2915- 2920	(2008)	
Multistep magnetization plateaus in the Shastry-Sutherland System TbB <sub>4</sub>	S. Yoshii T. Yamamoto M Hagivara S. Mchimura A. Shigeekawa F. Iga T. Takabatake K. Kindo	Phys. Rev. Lett.	101	6	087202(1- 4)	(2008)	
Muon spin relaxation study of non-Fermi-liquid behavior near the ferromagnetic quantum critical point in CePd <sub>0.15</sub> Rh <sub>0.85</sub>	D. T. Adroja A. D. Hillier J.-G. Park W Kockelmann K. A. McEwen B. D. Rainford Kwang- Hyun J ang C. Geibel	Phys. Rev. B	78		014412	(2008)	
Neutron Scattering Study of Kondo Lattice Antiferromagnet YbNiSi <sub>3</sub>	Y. Kobayashi T. Onimaru M A. Avila K. Sasai M Soda K. Hirota T. Takabatake	Journal of Physical Society of Japan	77	12	124701- 1- 5	(2008)	
Neutron Scattering Study on Spin Correlations and Fluctuations in the Transition-Based Magnetic Quasicrystal Zn-Fe- Sc	T. J. Sato S. Kishimoto C. Masuda T. Onimaru I. Nakanowatari K. Iida R. Morinaga T. Ishimasa	Physical ReviewB	77	1	014437- 1- 7	(2008)	
Off- center Rattling and Anisotropic Expansion of Type-I Clathrates Studied by Raman Scattering	Y.Takasu  MA.Avila K.Suekuni		100	16	165503/ 4PA GES	(2008)	

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Photon dynamics of type-I clathrate Sr <sub>8</sub> Ga <sub>16</sub> Ge <sub>30</sub> studied by inelastic neutron scattering	C. H. Lee H. Yoshizawa M A. Avila I. Hase K. Kihou	J. Phys. Soc. Jpn. Suppl. A.	77		260-262	(2008)	
Possible magnetic-field-induced Lifshitz transition in CeBiPt	J. Wosnitza G. Goll M Bartkowiak B. Bergk A. D. Bianchi H. v. Löhneysen	Physica B	403		1219-1221	(2008)	
Pressure-induced release of magnetic frustration in a quasi-kagome antiferromagnet YbAgGe	H. Kubo  K. Katoh A. Ochiai	J. Phys. Soc. Jpn.	77	2	023704	(2008)	
Raman scattering of type-I clathrate compounds	Y.Takasu  K.Suekuni MA.Avila		77		SUPPLE 254-256 MENT	(2008)	
Raman Scattering Study of Filled Skutterudite Compounds	R.Kojima  Y.Takasu		77		SUPPLE 251-253 MENT	(2008)	
Raman Scattering Study of Guest Ion Motion in Cage Compounds	Y.Takasu  K.Suekuni MA.Avila  Y.Ishikawa N.Takeda Y.Nemoto T.Goto H.Sugawara D.Kikuchi H.Sato C.Sekine I.Shirota J.Yamaura Y.Nagao Z.Hiroi	Journal of Physical Society of Japan	77		SUPPLM142-147 ENT	(2008)	
Soft x-ray photoelectron spectroscopy study of type-I clathrates	J. Tang Z. Li J. Ju R. Kumashiro M A. Avila K. Suekuni FZ. Guo K. Kobayashi K. Akai K. Tanigaki	Sci. Technol. Adv. Mater	9		44107	(2008)	
Thermodynamic and transport properties of the non-centrosymmetric superconductor LaBiPt	G. Goll M Marz A. Hamann T. Tomanic K. Grube T. Yoshino	Physica B	403		1065-1067	(2008)	
Thermoelectric and Magnetic Properties of a Narrow-Gap Semiconductor FeGa <sub>3</sub>	Y. Hadano S. Narazu M A. Avila T. Onimaru T. Takabatake.	Journal of Physical Society of Japan	78	1	013702-1-4	(2008)	

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Universal relation between guest free space and lattice thermal conductivity reduction by anharmonic rattling in type-I clathrates	K. Suekuni S. Yamamoto M A. Avila	J. Phys. Soc. Jpn. Suppl. A.	77		61- 66	(2008)	
Universal scaling in the optical conductivity of heavy fermion compounds	H. Okamura T. Watanabe M Matsunami T. Nishihara N. Tsujii T. Ebihara H. Sugawara H. Sato Y. Onuki Y. Isikawa MS. Kim	Physica B	403		761- 763	(2008)	
Elastic modulus of LaFe4Sb12	Isao Ishii Takashi Suzuki et al	Physica B	403		887- 889	(2008)	
Josephson Junction with Tunable Damping using Quasi-particle Injection		Controrable Quantum States			59- 64	(2008)	
Specific heat of CeMg2(Cu1-xNix)9 with two-dimensional Ce atoms alignment	M Ito Takashi Suzuki et.al	Physica B	403		815- 817	(2008)	
Temperature dependence of elastic modulus of PrFe4Sb12 single crystal	Isao Ishii Takashi Suzuki et al	J. Phys. Soc. Jpn.	A77		303- 305	(2008)	
Tunneling Measurements of Charge Imbalance of Non-Equilibrium Superconductors		Controrable Quantum States			3 - 8	(2008)	
Experimental study of the atmospheric neutrino backgrounds for $p \rightarrow e + \pi^0$ searches in water Cherenkov detectors		Physical Review	D77			(2008)	
Measurement of single charged-current interactions of neutrinos in a 1.3 GeV wide band beam		Physical ReviewD	78	3	032003- 1 032003- 13 32003	(2008)	
			5	3	192-196	(2008)	
Accumulating LowEnergy Charged Particles with a Magnetic Mirror Trap and Cyclotron Resonance Heating	H. Higaki K. Ito K. Kira H. Okamoto	Appl. Phys. Express	1	6	066002- 1 – 066002- 3	(2008)	
Determination of transverse distributions of ion plasmas confined in a linear Paul trap by imaging diagnostics	K. Ito K. Nakayama S. Ohtsubo H. Higaki H. Okamoto	Jpn. J. Appl. Phys.	47	10	8017- 8025	(2008)	
Electrons Confined with an Axially Symmetric Magnetic Mirror Field		AIP Conf. Proc.	1037	1	106- 114	(2008)	
Heating rate of highly space- charge- dominated ion beams in a storage ring	Y. Yuri H. Okamoto	Proc. European Part. Accel. Conf.			3080 - 3082	(2008)	
High-energy colliding crystals – a theoretical study	J. Wei H. Okamoto H. Sugimoto Y. Yuri A. M Sessler	Proc. Int. Workshop on Beam Cooling and Related Topics			91 - 95	(2008)	
Theoretical study of emittance transfer	H. Okamoto K. Kaneta A. M Sessler	Proc. Int. Workshop on Beam Cooling and Related Topics			82 - 86	(2008)	
Three- dimensional laser cooling of ion beams using a Wien filter	M Ikegami H. Sugimoto H. Okamoto	J. Phys. Soc. Jpn.	77	7	074502 (8 pages)	(2008)	
Edge effect on electronic transport properties of graphene nanoribbons and presence of perfectly conducting channel	K. Wakabayashi Y. Takane M Yamamoto M Sigrist	Carbon	47	1	124- 137	(2008)	
Asymptotic behavior of the conductance in disordered wires with perfectly conducting channels		J. Phys. Soc. Jpn.	77	1	014703 (1- 10)	(2008)	
Conductance fluctuations in disordered wires with perfectly conducting channels	Y. Takane K. Wakabayashi	J. Phys. Soc. Jpn.	77	5	054702 (1-6)	(2008)	
Enhanced conductance fluctuation due to the zero-conductance Fano resonances in the quantum point contact on graphene	K. Wakabayashi M Sigrist	J. Phys. Soc. Jpn	77	11		(2008)	
Magnetic field effect on charge imbalance conversion in superconducting wires	Y. Takane Y. Nagato	J. Phys. Soc. Jpn.	77	9	113708 093713 (1-4)	(2008)	

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Mobile fluxon qubits in a long superconductor-ferromagnet-superconductor Josephson junction		J. Phys. : Conf. Ser.	97		012326	(2008)	
Mobile qubits in quantum Josephson circuits		Physical Review B	77	2	024505	(2008)	
Peculiar Electronic Transport Properties of Disordered Nanographene Ribbons	K. Wakabayashi	J. Phys. Chem. Solid	69		1162-1164	(2008)	
			63	5	344-352	(2008)	
Beating the standard quantum limit: phase super-sensitivity of N-photon interferometers	R. Okamoto H.F. Hofmann T. Nagata J.L. O'Brien K. Sasaki S. Takeuchi	New Journal of Physics	10	7	073033	(2008)	
Measurement and control of spatial qubits generated by passing photons through double slits	Gen Taguchi Tatsuo Dougakiuchi Nobuaki Yoshimoto Katsuya Kasai Masataka Inuma Holger F. Hofmann Yutaka Kadoya	Physical Review A	78	1,3	012307	(2008)	
Propagation of Terahertz Pulses on Coplanar Striplines on Low Permittivity Substrates and a Spectroscopy Application	Shinji Yanagi Masayuki Onuma Jiro Kitagawa Yutaka Kadoya	Applied Physics Express	1	1	012009	(2008)	
Quantum enhancement of N-photon phase sensitivity by interferometric addition of down-converted photon pairs to weak coherent light	Ono Takafumi HOFMANN FRIEDRICH	Journal of Physics B: Atomic, Molecular and Optical Physics	41	9	095502	(2008)	
THz Wave Propagation on Strip Lines: Devices, Properties, and Applications	Yutaka KADOYA Masayuki ONUMA Shinji YANAGI Tetsuya OHKUBO Naoko SATO Jiro KITAGAWA	Radioengineering	17	2	48-55	(2008)	
Annealing effect on the chemical structure of diamondlike carbon	Susumu Takabayashi Keishi Okamoto Hiroyuki Sakaue Takayuki Takahagi Kenya Shimada	JOURNAL OF APPLIED PHYSICS	104		043512-1-043512-6	(2008)	
Chemical Structural Analysis of Diamondlike Carbon Analyzed by Core-level Photoelectron Spectroscopy	Susumu Takabayashi Keishi Okamoto Kenya Shimada Tatsuyuki Nakatani Hiroyuki Sakaue	5th International Symposium on Surface Science and Nanotechnology (ISSS-5)				(2008)	
Chemical structural analysis of diamondlike carbon by X-ray photoelectron spectroscopy			235		280-289	(2008)	
Chemical Structural Analysis of Diamondlike Carbon Films with Different Electrical Resistivities by X-ray Photoelectron Spectroscopy	Susumu TAKABAYASHI Keishi OKAMOTO Kenya SHIMADA Kunihiko MOTOMITSU Hiroaki MOTOYAMA Tatsuyuki NAKATANI Hiroyuki SAKAUE Hitoshi SUZUKI Takayuki TAKAHAGI	JAPANESE JOURNAL OF APPLIED PHYSICS	47	5	3376-3379	(2008)	
Chemical Structural Analysis of Diamondlike Carbon using Soft X-ray Photoelectron Spectroscopy	Susumu Takabayashi Hiroyuki Sakaue Takayuki Takahagi Keishi Okamoto Tatsuyuki Nakatani	International Congress on Plasma Physics 2008 (ICPP2008)				(2008)	

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Development of surface-functionalized drug-eluting stent with diamond-like carbon nanocoated by using PECVD method		SURFACE & COATINGS TECHNOLOGY					

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Investigation of reaction between LiNH <sub>2</sub> and H <sub>2</sub>	Haiyan Leng Takayuki Ichikawa Satoshi Hino Hironobu Fujii	Journal of Alloys and Compounds		463	462- 465	(2008)	
SEM and TEM Characterization of Magnesium Hydride Catalyzed with Ni Nano- Particle of Nb <sub>2</sub> O <sub>5</sub>	Nobuko Hanada Enoki Hirotsushi Takayuki Ichikawa Etsuo Akiba Hironobu Fujii	Journal of Alloys and Compounds	450	1- 2	395- 399	(2008)	
Simultaneous structure and carrier tuning of dimorphic clathrate Ba <sub>8</sub> Ga <sub>16</sub> Sn <sub>30</sub>	K. Suekuni M A. Avila  H. Fukuoka T. Nakagawa	Phys. Rev. B	77		235119	(2008)	
The structural properties of amides and imides as hydrogen storage materials	Takayuki Ichikawa S. Isobe	Z. Kristallogr		223	660- 665	(2008)	
			Vol.3	No.4	20- 25	(2008)	
			Vol.56	No.7		(2008)	
		Wataru Ishida Hiroki Myaoka		233	136- 139	(2008)	
			Vol.33	No.4	49- 58	(2008)	

**B. (Dept. of Molecular Biotechnology)**

(Titles)	(Authors)	(Magazines)	(Vol.)	(No.)	(Pages)	(Year)	(Classif.)
Genomic characterization of <i>Ralstonia solanacearum</i> phage phiRSA1 and its related prophage (phiRSX) in strain GM1000		J. Bacteriology	190	1	143- 156	(2008)	
Codon optimization increases steady- state mRNA levels in heterologous gene expression in <i>Aspergillus oryzae</i> .	M Tokuoka M Tanaka K. Ono S. Takagi T. Shintani K. Gomi	Appl. Envir. Microbiol.	74		6538- 46	(2008)	
Development of a two- step chromatography procedure that allows the purification of a high- purity anti- histone H1 monoclonal immunoglobulin M antibody with immunosuppressant activity.	Y. Shimada T. Goto S. Kawamoto T. Kiso A. Katayama Y. Yamanaka T. Aki K. C. Chiang T. Nakano S. Goto C.L. Chen N. Ohmori K. Ono S. Sato	Biomedical Chromatography	22	1	13- 19	(2008)	
Development of autoantibody responses in NC/Nga mice: its prevention by pulverized konjac glucomannan feeding	N. Onishi S. Kawamoto H. Suzuki M Hide K. Ono	Arch. Dermat. Res.	300	2	95- 99	(2008)	
		Bio Industry	25	9	69- 77	(2008)	
Ammonia- methane two- stage anaerobic digestion of dehydrated waste- activated sludge. Applied Microbiology and Biotechnology	Y. Nakashimada Y. Ohshima H. Mnami H. Yabu Y. Namba N. Nishio	Applied Microbiology and Biotechnology	79	6	1061- 1069	(2008)	



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Degradation of glyoxylate and glycolate with ATP synthesis by a thermophilic anaerobic bacterium, <i>Mobrella</i> sp. strain HUC22-1.	S. Sakai K. Inokuma Y. Nakashimada N. Nishio	Applied and Environmental Microbiology	74	5	1447-1452	(2008)	
Degradation of Perfluorooctansulfonate (PFOS) and Perfluorooctanoic Acid (PFOA) by Mechanochemical Treatment			34	5	539-544	(2008)	
			86	1	2-11	(2008)	
			46	-	28-31	(2008)	
			32	2	47-51	(2008)	
A comparison of various methods to predict bacterial predilection for organic solvents used as reaction		Journal of Bioscience and Bioengineering	106	4	357-362	(2008)	
A Neural Network Model of the Olfactory System of Mice: Computer Simulation of the Attention Behavior of mice for some components in an odor	Zu Soh Mchiyo Suzuki	Artificial Life and Robotics	12	1-2	75-80	(2008)	
A neural network model of the olfactory system of mice: Computer simulation of the attention behavior of mice for some components in an odor	Z. Soh T. Tsuji M Suzuki N. Takiguchi H. Ohtake	Artificial Life and Robotics	12	1-2	75-80	(2008)	
A neural network model of the olfactory system of mice: Simulated the tendency of attention behavior	Z. Soh T. Tsuji N. Takiguchi H. Ohtake	Artificial Life and Robotics	13	1	280-285	(2008)	
Isolation and characterization of <i>Deinococcus geothermalis</i> T27, a slightly thermophilic organic solvent-tolerant bacterium able to survive in the presence of high concentrations of ethyl acetate		FEMS Microbiology Letters	286	2	227-235	(2008)	
Parameter Estimation of Paramecium Model using Real-coded Genetic Algorithm	Akira Hirano Zu Soh	The 13th International Symposium on Artificial Life and Robotics			35-40	(2008)	
Performance of mice in discrimination of liquor odors: Behavioral evidence for olfactory attention	N. Takiguchi K. Okuhara A. Kuroda J. Kato H. Ohtake	Chemical Senses	33	3	283-290	(2008)	
<i>Pseudomonas aeruginosa</i> as a model microorganism for investigation of chemotactic behaviors in ecosystem	J. Kato H.-E. Kim N. Takiguchi A. Kuroda H. Ohtake	Journal of Bioscience and Bioengineering	106	1	1-7	(2008)	
Stabilization of water-in-oil emulsion by <i>Rhodococcus opacus</i> B-4 and its application to biotransformation		Applied microbiology and Biotechnology	78	5	767-773	(2008)	
			66		504-508	(2008)	
Continuous-flow ATP amplification system for increasing the sensitivity of quantitative bioluminescence assay	T. Satoh Y. Shinoda 78 504 H. Shi da	8					

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On-Chip ATP Amplification	Y. Murakami Y. Shinoda T. Satoh K. Noda A. Kuroda	Micro Total Analysis Systems 2008			1275- 1277	(2008)	
Single bacterial cell detection using a mutant luciferase	Kenichi Noda Tadahiro Matsuno Hiroya Fujii Tomonari Kogure Masaaki Urata Yasuo Asami Akio Kuroda	Biotechnology Letters	30		1051- 1054	(2008)	
Swallowable Biosensor: Development of Digestive Organs Sensors for Continuous Diagnosis	Tomohide Noda Yuji Murakami Tomohiro Ishikawa Nobuo Sasaki Zhang Yi Tsuyoshi Takeuchi Takunari Kunimasa Kazuaki Shibata Tetsushi Koide Koh Johguchi Akio Kuroda	214th The Electrochemical Society Meeting				(2008)	
Antibiotic production, linear plasmids and linear chromosomes in <i>Streptomyces</i> .	Kinashi, H.	Actinomycetologica	22		20- 29	(2008)	
Gene disruption analysis of two glycosylation steps in lankamycin biosynthesis in <i>Streptomyces rochei</i> .	Arakawa, K Suzuki, T Kinashi, H	Actinomycetologica	22	2	35- 41	(2008)	
- Butyrolactone- dependent expression of the SARP gene <i>srrY</i> plays a central role in the regulatory cascade leading to lankacidin and lankamycin production in <i>Streptomyces rochei</i> .	Yamamoto, S. He, Y. Arakawa, K. Kinashi, H.	J. Bacteriol.	190	4	1308- 1316	(2008)	
Identification of Tub1 -Tubulin as a potential target for NKH- 7, a cytotoxic 1- naphthol derivative compound, in <i>Saccharomyces cerevisiae</i>	Ruthada Chanklan Masaki Mzunuma Ngampong Kongkathip Komkrit Hasitapan Boonsong Kongkathip Tokichi Myakawa	Biosci. Biotechnol. Biochem	72	4	1023- 1031	(2008)	
Identification of Tup1 and Cyc8 mutations defective in the responses to osmotic stress	Y. Kobayashi T. Inai M Mzunuma I. Okada A. Shitamukai D. Hirata T. Myakawa	Biochemical and Biophysical Research Communications	368	1	50- 55	(2008)	
A bisaborane sesquiterpenoid endoperoxidase, 3,6-epidioxy- 1,10-bisaboladiene isolated from <i>Cacalia delphinifolia</i> possesses anti- tumore activity with the induction of apoptosis		Biosci. Biotechnol. Biochem	72		2463- 2466	(2008)	
A continuous- flowATP amplification system for increasing the sensitivity of quantitative bioluminescence assay		Anal. Biochem		379	116- 120	(2008)	
				86	572- 573	(2008)	
An artificial denture for swallowing inspection	Tomohiro Ishikawa Takunari Kunimasa Nobuo Sasaki Yuji Murakami Takeshi Yoshida Kazuhiro Tsuga	25				(2008)	
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