| 論文の標題 | 著者名 | 該名 | 巻 | 号 | 頁 | （年） | 論文種別 |
|------------|--------|------|----|----|----|---------|--------|
| Complex-Orbital Order in Fe3O4 and Mechanism of the Verwey Transition | 田中 新 | J. Phys. Soc. Jpn. | 77 | 7 | 074711/1-15 | 2008 | 原著論文 |
| Crystal-field level inversion in lightly Mn-doped Sr3Ru2O7 | 田中 新 | Phys. Rev. Lett. | 101 | 1 | 016404/1-4 | 2008 | 原著論文 |
| Direct Observation of t2g Orbital Ordering in Magnetite | 田中 新 | Phys. Rev. Lett. | 100 | 2 | 026406/1-4 | 2008 | 原著論文 |
| High multipole transitions in NIXS: Valence and hybridization in 4f systems | 田中 新 | Europhys. Lett. | 81 | 1 | 26004/1-6 | 2008 | 原著論文 |
| Soft X-ray Magnetic Circular Dichroism Study of Uranium Monochalcogenides at Uranium N4.5 Absorption Edges | 田中 新 | J. Phys. Soc. Jpn. | 77 | 2 | 024706/1-6 | 2008 | 原著論文 |
| Angle-resolved photoemission study of the strongly correlated semiconductor FeSi | 小口 多美夫 | Phys. Rev. B | 78 | 24 | 245107/1-13 | 2008 | 原著論文 |
| Consideration of the Effect of the Non spherical Distribution of Electrons in Atomic Structures | 梶口 克彦 | Material transactions | 49 | 8 | 1893-1899 | 2008 | 原著論文 |
| Electronic and thermolectric properties of the intermetallic compounds MNI5n (M=Ti, Zr and Hf) | 小口 多美夫 | J. Phys. Soc. Jpn. | 77 | 5 | 054706/1-8 | 2008 | 原著論文 |
| First-principles study of lead-free piezoelectric SnTiO3 | 小口 多美夫 | Jpn. J. Appl. Phys. | 47 | 9 | 7735-7739 | 2008 | 原著論文 |
| Holes in the Valence Band of Superconducting Boron-doped Diamond Film Studied by Soft X-ray Absorption and Emission Spectroscopy | 小口 多美夫 | Physical Review B | 78 | 12 | 125101 | 2008 | 原著論文 |
| kp formalism for use with linearized augmented plane waves | 小口 多美夫 | Physical Review A | 78 | 1 | 12501 | 2008 | 原著論文 |
| Pair density functional theory utilizing the noninteracting reference system: An effective initial theory | 梶口 克彦 | Physical Review B | 78 | 23 | 235114/1-7 | 2008 | 原著論文 |
| Specific heat and electronic states of superconducting boron-doped silicon carbide | 小口 多美夫 | Phys. Rev. B | 78 | 2 | 024517/1-10 | 2008 | 原著論文 |
| The electronic structure of boron-doped diamond with B-H complex and B pair | 小口 多美夫 | Sci. Technol. Adv. Mater. | 9 | 4 | 044211/1-4 | 2008 | 原著論文 |
| Theoretical analysis of X-ray absorption spectra of Ti compounds used as catalysts in lithium amide/imide reactions | 小口 多美夫 | Phys. Rev. B | 77 | 20 | 7545-7550 | 2008 | 原著論文 |
| Why are garnets not ferroelectric? - A theoretical investigation of Y3Fe5O12 | 小口 多美夫 | Phys. Rev. B | 78 | 7 | 511 | 2008 | 原著論文 |
| Competition of magnetic and quadrupolar order parameters in HoB4 | 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 | 原著論文 |
| Pressure Effect on the Multipole Interactions in CexPr1-xB6 | 世良 正文 | J. Phys. Soc. Jpn. | 77 | 7 | 268-290 | 2008 | 原著論文 |
| Pressure-induced phase transitions in PrB6: Electrical resistivity measurements | H. Iwakubo S. Ikeda Y. Kishino H. Tanida M. Sera F. Iga | Phys. Rev. B | 78 | 1 | 012409(1-4) | 2008 | 原著論文 |
| 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 | 原著論文 |
| 雑誌名 (Magazines) | 著者名 (Authors) | 論文種別 (Classif.) | 卷 (Vol.) | 号 (No.) | 頁 (Pages) | (年) (Year) |
|---------------------|-----------------|---------------------|----------|----------|-----------|-----------|
| physica             | 世良 正文 | 原著論文 | 8329-333 | 661-662  | 2008      |
| J. Phys. Soc. Jpn  | 77   | 10 | 103601-1-4 | 2008 | 原著論文 |
| J. Phys. Soc. Jpn. | 77   | 265-287 | 2008 | 原著論文 |
| Suppl. A.           | 85203 | 2008 | 原著論文 |
| Phys. Rev. B        | 78   | 014411 | 2008 | 原著論文 |
| J. Phys. Soc. Jpn.  | 77   | 7 | 074708-1-8 | 2008 | 原著論文 |
| J. Phys. Soc. Jpn.  | 77   | 142-147 | 2008 | 原著論文 |

Raman scattering of RB6 (R=Ca, Ce, Pr, Gd, Dy and Yb)
| 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.) |
|----------------------------------------------------------------------------------|----------------------------------------------------------------------------------|----------------------------------------------------------------------------------|----------|----------|------------|----------|-------------------|
| Heavy fermion behaviors of Tm2Rh12P7                                              | K. Tatematsu N. Takeda Y. Araki K. Fukuda T. Nishioka K. Kodama K. Shimizu   T. Matsushita N. Wada S. Narazu | J. Phys. Soc. Jpn. Suppl. A.                                                   | 77       |         | 353-355    | 2008     | 原著論文           |
| Inelastic neutron scattering study of spin gap formation in heavy fermion compounds | 髙畠 敏郎                                                                      | Journal of Optoelectronics and Advanced Materials                              | 10       | 7       | 1564-1582  | 2008     | 原著論文           |
| Low-field Knight shift measurement at Sb site for alkaline-earth filled skutterudites AFe4Sb12 (A = Sr and Ca) | 髙畠 敏郎                                                                      | J. Phys. Soc. Jpn.                                                            | 77       | 6       | 063701     | 2008     | 原著論文           |
| Magnetic order and multipole interactions in CePr1−x B6 solid solutions           | J.-M. Mignot G. André J. Robert M. Sera F. Iga                                 | Phys. Rev. B                                                                  | 78       |         | 014415(1-10) | 2008     | 原著論文           |
| Magneto-Optic Effect in Amorphous Bi3Fe5O12 Waveguides Sputtered at Room Temperature | 髙畠 敏郎                                                                      | Japanese Journal of Applied Physics                                            | 47       | 5       | 2915-2920  | 2008     | 原著論文           |
| Multistep magnetization plateaus in the Shastry-Sutherland System TbB4            | S. Yoshii T. Yamamoto M. Hagiwara S. Michimura A. Shigekawa F. Iga T. Takabatake K. Kindo | Phys. Rev. Lett.                                                              | 101      | 6       | 087202(1-4) | 2008     | 原著論文           |
| Muon spin relaxation study of non-Fermi-liquid behavior near the ferromagnetic quantum critical point in CePd0.15Rh0.85 | 髙畠 敏郎                                                                      | Phys. Rev. B                                                                  | 78       |         | 014412     | 2008     | 原著論文           |
| Neutron Scattering Study of Kondo Lattice Antiferromagnet YbNiSi3                 | Y. Kobayashi T. Onimaru M. A. Avila K. Sasai M. Soda K. Hirotta T. Takabatake | Journal of Physical Society of Japan                                           | 77       | 12      | 124701-1-5 | 2008     | 原著論文           |
| 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 Review B                                                            | 77       | 1       | 014437-1-7 | 2008     | 原著論文           |
| Off-center Rattling and Anisotropic Expansion of Type-I Clathrates Studied by Raman Scattering | 長谷川 巧 M.A.Avila K. Suekuni 髙畠 敏郎                                         | 米国物理学会                                                                 | 100      | 16      | 165503/4PA | 2008     | 原著論文           |
| 項目名 | 著者名 | 誌名 | 巻 | 号 | 頁 | 年 | 論文種別 |
|--------|--------|------|----|----|----|----|--------|
| Photon dynamics of type-I clathrate Sr$_8$Ga$_{16}$Ge$_{30}$ studied by inelastic neutron scattering | C. H. Lee, H. Yoshizawa, M. A. Avila, L. Hase, K. Kihou, 高畠 敏郎 | J. Phys. Soc. Jpn. Suppl. A. | 77 | 2 | 023704 | 2008 | 原著論文 |
| Possible magnetic-field-induced Lifshitz transition in CeBiPt | J. Wosnitza, G. Goll, M. Bartkowiak, B. Bergk, A. D. Bianchi, H. v. Löhneysen, 高畠 敏郎 | Physica B | 403 | 2 | 1219-1221 | 2008 | 原著論文 |
| Pressure-induced release of magnetic frustration in a quasi-kagome antiferromagnet YbAgGe | H. Kubo, 梅尾 和則, K. Katoh, A. Ochiai, 高畠 敏郎 | J. Phys. Soc. Jpn. | 77 | 2 | 023704 | 2008 | 原著論文 |
| Raman scattering of type-I clathrate compounds | Y. Takasu, 長谷川 巧, 荻田 典男, 宇田川 眞行, K. Suekuni, M. A. Avila, 高畠 敏郎 | 日本物理学会 | 77 | SUPPLE | 254–256 | 2008 | 原著論文 |
| Raman Scattering Study of Filled Skutterudite Compounds | 高田 典男, R. Kojima, 長谷川 巧, Y. Takasu, 宇田川 眞行, 高畠 敏郎 | 日本物理学会 | 77 | SUPPLE | 251–253 | 2008 | 原著論文 |
| Raman Scattering Study of Guest Ion Motion in Cage Compounds | 宇田川 眞行, 長谷川 巧, Y. Takasu, 高田 典男, K. Suekuni, M. A. Avila, 高畠 敏郎 | Journal of Physical Society of Japan | 77 | SUPPLEM | 142–147 | 2008 | 原著論文 |
| 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, 高畠 敏郎 | Sci. Technol. Adv. Mater | 9 | | 44107 | 2008 | 原著論文 |
| Thermodynamic and transport properties of the non-centrosymmetric superconductor LaBiPt | G. Goll, M. Marz, A. Hamann, T. Tomanic, K. Grube, T. Yoshino, 高畠 敏郎 | Physica B | 403 | 2 | 1065–1067 | 2008 | 原著論文 |
| Thermoelectric and Magnetic Properties of a Narrow-Gap Semiconductor FeGa$_3$ | Y. Hadano, S. Narazu, M. A. Avila, T. Onimaru, T. Takabatake, 高畠 敏郎 | Journal of Physical Society of Japan | 78 | 1 | 013702–1–4 | 2008 | 原著論文 |
| 項目 | 論文のタイトル | 著者名 | 巻 (Vol.) | 号 (No.) | 頁 (Pages) | (年) (Year) | 論文種別 (Classif.) |
|------|----------------|--------|--------|-------|-------|---------|-----------------|
| 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, 高畠 敏郎 | J. Phys. Soc. Jpn. Suppl. A. | 77 | | 61-66 | (2008) | 原著論文 |
| 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, M. S. Kim, 高畠 敏郎, T. Nanba | Physica B | 403 | | 761-763 | (2008) | 原著論文 |
| Elastic modulus of LaFe4Sb12 | Isao Ishii, Takashi Suzuki, el al | Physica B | 403 | | 887-889 | (2008) | 原著論文 |
| Josephson Junction with Tunable Damping using Quasi–particle Injection | 八木 隆多, 高橋 徹, 本間脇裕 | Controllable Quantum States | 59-64 | | | (2008) | 国際会議議事録 |
| Specific heat of CeMg2(Cu1−xNix)9 with two-dimensional Ce atoms alignment | M. Ito, Takashi Suzuki, el al | Physica B | 403 | | 815-817 | (2008) | 原著論文 |
| Temperature dependence of elastic modulus of PrFe4Sb12 single crystal | Isao Ishii, Takashi Suzuki, el al | J. Phys. Soc. Jpn. A77 | | | 303-305 | (2008) | 原著論文 |
| Tunneling Measurements of Charge Imbalance of Non-Equilibrium Superconductors | 八木 隆多, 高橋 徹, 本間脇裕 | Physical Review D | 77 | | 032003-1 | (2008) | 原著論文 |
| Experimental study of the atmospheric neutrino backgrounds for p ---> e+ π0 searches in water Cherenkov detectors | 高橋 徹, 本間脇裕 | Physical Review D | 78 | 3 | 32003 | (2008) | 原著論文 |
| Measurement of single charged-current interactions of neutrinos in a 1.3 GeV wide band beam | 高橋 徹, 本間脇裕 | 日本加速器学会誌 | 5 | 3 | 192-196 | (2008) | 原著論文 |
| Accumulating Low Energy Charged Particles with a Magnetic Mirror Trap and Cyclotron Resonance Heating | H. Higaki, K. Ito, K. Kira, H. Okamoto, 高橋 徹, 本間脇裕 | Appl. Phys. Express | 1 | 6 | 066002-1 | (2008) | 原著論文 |
| 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, 高橋 徹, 本間脇裕 | Jpn. J. Appl. Phys. | 47 | 10 | 8017-8025 | (2008) | 原著論文 |
| Electrons Confined with an Axially Symmetric Magnetic Mirror Field | Y. Yuri, H. Okamoto, J. Wei, H. Okamoto, H. Sugimoto, Y. Yuri, A. M. Sessler, 高橋 徹, 本間脇裕, A. M. Sessler | Proc. European Part. Accel. Conf. Proc. Int. Workshop on Beam Cooling and Related Topics | | | | | |
| Heating rate of highly space-charge-dominated ion beams in a storage ring | Y. Yuri, H. Okamoto, J. Wei, H. Okamoto, H. Sugimoto, Y. Yuri, A. M. Sessler, 高橋 徹, 本間脇裕, A. M. Sessler | Proc. Int. Workshop on Beam Cooling and Related Topics | 77 | 7 | 074502 (8 pages) | (2008) | 原著論文 |
| High-energy colliding crystals – a theoretical study | Y. Yuri, A. M. Sessler, H. Okamoto, K. Kaneta, A. M. Sessler, 高橋 徹, 本間脇裕, A. M. Sessler, H. Okamoto, | Proc. Int. Workshop on Beam Cooling and Related Topics | | | 82 – 86 | (2008) | 国際会議議事録 |
| Three-dimensional laser cooling of ion beams using a Wien filter | M. Ikegami, H. Sugimoto, H. Okamoto, M. Ikegami, H. Sugimoto, H. Okamoto, | J. Phys. Soc. Jpn. | 77 | 7 | 074502 | (2008) | 原著論文 |
| Edge effect on electronic transport properties of graphene nanoribbons and presence of perfectly conducting channel | M. Ikegami, H. Sugimoto, H. Okamoto, M. Ikegami, H. Sugimoto, H. Okamoto, | Carbon | 47 | 1 | 124-137 | (2008) | 原著論文 |
| Asymptotic behavior of the conductance in disordered wires with perfectly conducting channels | 高橋 徹, 高根 美武 | J. Phys. Soc. Jpn. | 77 | | 014703 (1-10) | (2008) | 原著論文 |
| Conductance fluctuations in disordered wires with perfectly conducting channels | Y. Takane, K. Wakabayashi, M. Sigrist, 高橋 徹, 高根 美武, M. Sigrist | J. Phys. Soc. Jpn. | 77 | 5 | 054702 (1-6) | (2008) | 原著論文 |
| Enhanced conductance fluctuation due to the zero-conductance Fano resonances in the quantum point contact on graphene | Y. Takane, K. Wakabayashi, M. Sigrist, 高橋 徹, 高根 美武, M. Sigrist | J. Phys. Soc. Jpn. | 77 | 11 | | (2008) | 原著論文 |
| Magnetic field effect on charge imbalance conversion in superconducting wires | Y. Takane, Y. Nagato, 高橋 徹, 高根 美武, Y. Nagato | J. Phys. Soc. Jpn. | 77 | 9 | 093713 (1-4) | (2008) | 原著論文 |
| 雑誌名 (Magazines) | 作者名 (Authors) | 巻 (Vol.) | 号 (No.) | 頁 (Pages) | (年) (Year) | 論文種別 (Classif.) |
|--------------------|-----------------|----------|----------|-----------|------------|------------------|
| Mobile fluxon qubits in a long superconductor-ferromagnet-superconductor Josephson junction | 西田 宗弘 藤井 敏之 深中 憲之 | J. Phys. : Conf. Ser. | 97 | 012326 | 2008 | 国際会議議事録 |
| Mobile qubits in quantum Josephson circuits | 西田 宗弘 藤井 敏之 深中 憲之 | Physical Review B | 77 | 2 | 024505 | 2008 | 原著論文 |
| Peculiar Electronic Transport Properties of Disordered Nanographene Ribbons | K. Wakabayashi | J. Phys. Chem. Solid | 69 | 1162-1164 | 2008 | 国際会議議事録 |
| グラファイトシートの電子物性 - ナノグラフェン - | 若林 克法 霧部 浩一 | 日本物理学会会誌 | 63 | 5 | 344-352 | 2008 | 論説論文 |
| 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 | 論説論文 |
| 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 | 原著論文 |
| Propagation of Terahertz Pulses on Coplanar Strip-lines on Low Permittivity Substrates and a Spectroscopy Application | Shinti Yanagi Masayuki Onuma Jiro Kitagawa Yutaka Kadoya | Applied Physics Express | 1 | 1 | 012009 | 2008 | 原著論文 |
| Quantum enhancement of N-photon phase sensitivity by interferometric addition of down-converted photon pairs to weak coherent light | Ono Takafuli HOFMANN FREDRICH | Journal of Physics B: Atomic, Molecular and Optical Physics | 41 | 9 | 095502 | 2008 | 論説論文 |
| THz Wave Propagation on Strip Lines: Devices, Properties, and Applications | Yutaka KADOTA Masayuki ONUMA Shinji YANAGI Tetsuya OHKUBO Naoko SATO Jiro KITAGAWA | Radioengineering | 17 | 2 | 48-55 | 2008 | 国際会議議事録 |
| 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 | 原著論文 |
| 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 | 国際会議議事録 |
| Chemical structural analysis of diamondlike carbon by X-ray photoelectron spectroscopy | 鷹林 将 岡本 圭司 中谷 達行 坂上 弘之 高萩 隆行 |炭素 | 235 | 280-289 | 2008 | 論説論文 |
| 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 TAKAHAMI | JAPANESE JOURNAL OF APPLIED PHYSICS | 47 | 5 | 3376-3379 | 2008 | 原著論文 |
| 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 | 国際会議議事録 |
| 項目 | 論文のタイトル | 著者名 | 誌名 (Magazines) | 巻 (Vol.) | 号 (No.) | 頁 (Pages) | 年 (Year) | 論文種別 (Classif.) |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | Development of surface-functionalized drug-eluting stent with diamond-like carbon nanocoated by using PECVD method | 高萩 隆行 | SURFACE & COATINGS TECHNOLOGY | 202 | 22-23 | 5750-5752 | (2008) | 原著論文 |
| | Nanosecond and femtosecond mass spectroscopic analysis of a molecular beam produced by the spray-jet technique | T. Yamada, H. Shinohara, T. Kamikado, Y. Okuno, 鈴木 仁, S. Mashiko, Susumu Takabayashi, Keishi Okamoto, Kunihiko Motomitsu, Akira Terayama, Tatsuyuki Nakatani, Hiroyuki Sakaue, Hitoshi Suzuki | Thin Solid Films | 516 | | 2522-2526 | (2008) | 原著論文 |
| | New method to calibrate binding energy using Au nanocolloids in X-ray photoelectron analysis of diamondlike carbon films with different electrical resistivities | 高萩 隆行, S. Mashiko, T. Yamada, H. Shinohara, T. Kamikado, Y. Okuno, 鈴木 仁, S. Mashiko, Susumu Takabayashi, Keishi Okamoto, Kunihiko Motomitsu, Akira Terayama, Tatsuyuki Nakatani, Hiroyuki Sakaue, Hitoshi Suzuki | APPLIED SURFACE SCIENCE | 254 | | 2666-2670 | (2008) | 原著論文 |
| | Photoelectron Spectroscopic Analysis of Chemical Structure of Diamondlike Carbon with Different Electrical Resistivities | 高萩 隆行, S. Mashiko, T. Yamada, H. Shinohara, T. Kamikado, Y. Okuno, 鈴木 仁, S. Mashiko, Susumu Takabayashi, Keishi Okamoto, Kunihiko Motomitsu, Akira Terayama, Tatsuyuki Nakatani, Hiroyuki Sakaue, Hitoshi Suzuki | Thin Solid Films | 516 | | 2582-2585 | (2008) | 原著論文 |
| | X線光電子分光法を用いたダイヤモンドライクカーボンの化学構造解析 | 増田 将, 岡本 充, 中谷 達, 高萩 隆行 | | | | 260-280 | (2008) | 総説論文 |
| | A New Concept of Hydrogen Storage Using Lithium Hydride and Ammonia | 高萩 隆行, S. Hino, K. Tanaka, Takayuki Ichikawa, Yoshitsugu Kojima | Mater. Res. Soc. Symp. Proc. | 104 | S06 | 01 | (2008) | 国際会議議事録 |
| | Characterization of hydrogen absorption/desorption states on lithium–carbon–hydrogen system by neutron diffraction | 坂本 弘之, 高萩 隆行, Takayuki Ichikawa, Yoshitsugu Kojima, Hiroki Miyaoka, Keiji Itoh, Toshiharu Fukunaga, Takayuki Ichikawa, Yoshitsugu Kojima | Journal of Applied Physics | 104 | | 53511 | (2008) | 原著論文 |
| | Dehydrogenation reaction of Li-Mg-N-H systems studied by in situ synchrotron powder X-ray diffraction and powder neutron diffraction | 坂本 弘之, 高萩 隆行, Takayuki Ichikawa, Yoshitsugu Kojima, Y. Nakamura, Satoshi Hino, Takayuki Ichikawa, Hironobu Fujii, H.W.Brink, B.G.Hauback | Journal of Alloys and Compounds | 457 | 1-2 | 362-367 | (2008) | 原著論文 |
| | Evaluation of Enthalpy Change due to Hydrogen Desorption for Lithium Amide/Imide System by Differential Scanning Calorimetry | 坂本 弘之, 高萩 隆行, Takayuki Ichikawa, Yoshitsugu Kojima, Shigehito Isose, Takayuki Ichikawa, Kazukiko Tokyoda, Nobuko Hanada, Hayan Leng, Hironobu Fujii, Yoshitsugu Kojima | Thermochimica Acta | 468 | 1-2 | 35-38 | (2008) | 原著論文 |
| | Hydrogen Desorption Processes in Li-Mg-N-H Systems | 高萩 隆行, S. Hino, K. Tanaka, Takayuki Ichikawa, Yoshitsugu Kojima, Shigehito Isose, Takayuki Ichikawa, Hayan Leng, Hironobu Fujii, Yoshitsugu Kojima | Journal of Physics and Chemistry of Solids | 69 | | 2234-2236 | (2008) | 原著論文 |
| | Hydrogen desorption properties of Li-BN-H system synthesized by mechanical milling | 高萩 隆行, S. Hino, K. Tanaka, Takayuki Ichikawa, Yoshitsugu Kojima, C. Wu, Hiroki Miyaoka, Takayuki Ichikawa, Yoshitsugu Kojima | International Journal of Hydrogen Energy | 33 | | 3128 | (2008) | 原著論文 |
| | Hydrogenation properties of lithium intercalated graphite | 高萩 隆行, S. Hino, K. Tanaka, Takayuki Ichikawa, Yoshitsugu Kojima, Takayuki Ichikawa, W. Ishida, H. Miyaoka, Yoshitsugu Kojima | Carbon | 46 | | 1628 | (2008) | 原著論文 |
| 項目 | 記載者名 | 誌名 | 巻 | 号 | 頁 | 年 | 論文種別 |
|------|----------|------|----|----|----|----|----------|
| 論文の標題 | 機会名 | 論文種別 |
| Investigation of reaction between LiNH2 and H2 | Haiyan Leng, Takayuki Ichikawa, Satoshi Hino, Hironobu Fujii | Journal of Alloys and Compounds | 463 | 462-465 | 2008 | 原著論文 |
| SEM and TEM Characterization of Magnesium Hydride Catalyzed with Ni Nano-Particle of Nb205 | Nobuko Hanada, Enoki Hiroshi, Takayuki Ichikawa, Etsuo Akiba, Hironobu Fujii | Journal of Alloys and Compounds | 450 | 1-2 | 395-399 | 2008 | 原著論文 |
| Simultaneous structure and carrier tuning of dimorphic clathrate Ba8Ga16Sn30 | K. Suekuni, M. A. Avila, 梅尾 和則, 高畠 敏郎 | Phys. Rev. B | 77 | 235 | 119 | 2008 | 原著論文 |
| The structural properties of amides and imides as hydrogen storage materials | Takayuki Ichikawa, S. Isobe | Z. Kristallogr | 223 | 660-665 | 2008 | 総説論文 |
| マグネシウムの水素吸蔵・放出技術と応用性 | 小島 由継, 市川 貴之, 小島 由緒 | 工業材料 | 7月号 | Vol.56 | No.7 | 2008 | 総説論文 |
| リチウムをインターカレートしたグラファイトの水素化特性 | Wataru Ishida, Hiroki Miyaoka, 市川 貴之, 小島 由緒 | 233 | 136-139 | 2008 | 原著論文 |
| 燃料電池自動車用水素貯蔵技術の現状と将来展望 | 小島 由継 | 水素エネルギーシステム | Vol.33 | No.4 | 49-58 | 2008 | 論文等論説 |
| Genomic characterization of Ralstonia solanacearum phage phiRSA1 and its related prophage (phiRSX) in strain GMI1000 | 山田 隆, 藤江 誠, 宇佐美 昭二, 藤原 亜希子, 川崎 健 | J. Bacteriology | 190 | 143-156 | 2008 | 原著論文 |
| Codon optimization increases steady-state mRNA levels in heterologous gene expression in Aspergillus oryzae. | M. Tokuoka, M. Tanaka, K. Ono, S. Takagi, T. Shirintani, K. Gomi | Appl. Envir. Microbiol. | 74 | 6538-46 | 2008 | 原著論文 |
| 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, Y. Goto, S. Kawamoto, T. Kiso, A. Katayama, Y. Yamanaka, T. Aki, K. Chiang, T. Nakano, S. Goto, C.L. Chen, N. Onishi, K. Ono, S. Sato | Biomedical Chromatography | 22 | 13-19 | 2008 | 原著論文 |
| 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 | 95-99 | 2008 | 原著論文 |
| アレルギーワクチンの開発に向けて | 河本 正次, 秋葉裕, 小埜 和久, N. Nakashimada, Y. Ohshima, H. Minami, H. Yabu, Y. Namba, N. Nishio | Bio Industry | 25 | 9 | 69-77 | 2008 | 総説論文 |
| Ammonia–methane two-stage anaerobic digestion of dehydrated waste-activated sludge. Applied Microbiology and Biotechnology | Y. Nakashimada, Y. Ohshima, H. Minami, H. Yabu, Y. Namba, N. Nishio | Applied Microbiology and Biotechnology | 79 | 1061-1069 | 2008 | 原著論文 |
| 騰論の標題 | 著者名 | 雑誌名 | 巻 | 号 | 頁 | (年) | 論文種別 |
|------------|--------|---------|---|---|----|------|----------|
| Degradation of glyoxylate and glycolate with ATP synthesis by a thermophilic anaerobic bacterium, *Moorella* sp. strain HUC22-1. | S. Sakai, K. Inokuma, Y. Nakashimada, N. Nishio | Applied and Environmental Microbiology | 74 | 5 | 1447-1452 (2008) | 原著論文 |
| Degradation of Perfluorooctansulfonate (PFOS) and Perfluorooctanoic Acid (PFOA) by Mechanochemical Treatment | 新谷昌之, 内藤勇太, 山本信吾, 野村総見, 中島田豊 | 化学工学論文集 | 34 | 5 | 539-544 (2008) | 原著論文 |
| 嫌気微生物による有用物質生産と環境浄化・エネルギー回収への応用 | 新谷昌之, 内藤勇太, 山田信吾, 野村総見, 中島田豊 | 化学工学論文集 | 86 | 1 | 2-11 (2008) | 総説論文 |
| 固体有機廃棄物のメタン発酵効率化と処理後残渣の活用技術 | 中島田豊, 加藤純一, 再生と利用 | 化学工学論文集 | 32 | 2 | 47-51 (2008) | 総説論文 |
| 脱水汚泥処理の乾式メタン発酵による減量化及びエネルギー回収 | 加藤純一, Z. Soh, T. Tsuji, M. Suzuki, N. Takiguchi, H. Ohtake | Artificial Life and Robotics | 12 | 1-2 | 75-80 (2008) | 原著論文 |
| 嫌気微生物による有用物質生産と環境浄化・エネルギー回収への応用 | 新谷昌之, 内藤勇太, 山田信吾, 野村総見, 中島田豊, 加藤純一 | 化学工学論文集 | 106 | 4 | 357-362 (2008) | 原著論文 |
| 総説論文 | 新谷昌之, 内藤勇太, 山田信吾, 野村総見, 中島田豊, 加藤純一 | 化学工学論文集 | 106 | 1 | 1-7 (2008) | 総説論文 |
| 嫌気微生物による有用物質生産と環境浄化・エネルギー回収への応用 | 新谷昌之, 内藤勇太, 山田信吾, 野村総見, 中島田豊, 加藤純一 | 化学工学論文集 | 32 | 2 | 47-51 (2008) | 総説論文 |
| A Neural Network Model of the Olfactory System of Mice: Computer Simulation of the Attention Behavior of mice for some components in an odor | 武藤純一, Aki Hiran, Zu Soh, Michiyuki Suzuki, 大竹大, 久夫 | Artificial Life and Robotics | 12 | 1-2 | 75-80 (2008) | 原著論文 |
| A neural network model of the olfactory system of mice: Computer simulation of the attention behavior of mice for some components in an odor | 武藤純一, Aki Hiran, Zu Soh, Michiyuki Suzuki, 大竹大, 久夫 | Artificial Life and Robotics | 13 | 1 | 280-285 (2008) | 原著論文 |
| A neural network model of the olfactory system of mice: Simulated the tendency of attention behavior | 武藤純一, Aki Hiran, Zu Soh, Michiyuki Suzuki, 大竹大, 久夫 | FEMS Microbiology Letters | 286 | 2 | 227-235 (2008) | 原著論文 |
| Parameter Estimation of Paramecium Model using Real-coded Genetic Algorithm | 辻敏夫, Akira Hirano, Zu Soh, 滝口昇, 大内久夫, H. Ohtake, | The 13th International Symposium on Artificial Life and Robotics | 35-40 (2008) | 国際会議議事録 |
| Performance of mice in discrimination of liquor odors: Behavioral evidence for olfactory attention | 武藤純一, Aki Hiran, Zu Soh, 滝口昇, 大内久夫, H. Ohtake, | Chemical Senses | 33 | 3 | 283-290 (2008) | 原著論文 |
| Pseudomonas aeruginosa as a model microorganism for investigation of chemotactic behaviors in ecosystem | 西尾尚道, A. Kuroda, H.-E. Kim, N. Takiguchi, A. Kuroda, H. Ohtake, | Journal of Bioscience and Bioengineering | 106 | 1 | 1-7 (2008) | 総説論文 |
| Stabilization of water-in-oil emulsion by Rhodococcus opacus B-4 and its application to biotransformation | 加藤純一, Kenjiro Murakami, Daisuke Kato, H. Ohtake, | Applied microbiology and Biotechnology | 78 | 5 | 767-773 (2008) | 原著論文 |
| 総説論文 | 荒川賢治, 木梨陽治, 木梨憲治, 木梨憲治, | Journal of Bioscience and Bioengineering | 106 | 1 | 1-7 (2008) | 原著論文 |
| Continuous-flow ATP amplification system for increasing the sensitivity of quantitative bioluminescence assay | T. Satoh, Y. Shinoda, M. Alexandrov, A. Kuroda, Y. Murakami, | Analytical Biochemistry | 379 | 1 | 116-120 (2008) | 原著論文 |
| Detection of chrysotile asbestos by using a chrysotile-binding protein | 黒田章夫, 廣田隆一, | Biotech. Bioeng. | 99 | | 285-289 (2008) | 原著論文 |
| Enhanced dibenzothiophene biodesulfurization in a microchannel reactor | K. Noda, K. Kogure, S. Iri, Y. Murakami, M. Makata, A. Kuroda, | Biotechnol. Letters | 30 | | 451-454 (2008) | 原著論文 |
| Identification and characterization of nucleolipasin 3 as a histone-binding protein in embryonic stem cells | 廣田隆一, | Development, Growth & Differentiation | 50 | 5 | 307-320 (2008) | 原著論文 |
| 論文の標題  | 著者名 | 該名 | 巻 | 号 | 頁 | (年) | 論文種別 |
|-----------|--------|------|----|----|----|------|----------|
| On-Chip ATP Amplification | Y. Murakami, Y. Shinoda, T. Satoh, K. Noda, A. Kuroda | Micro Total Analysis Systems 2008 | 1275-1277 | 2008 | 国際会議議事録 |
| Single bacterial cell detection using a mutant luciferase | Kenichi Noda, Tadahiro Matsuno, Hiroya Fujii, Tomonari Kogure, Masaaki Urata, Yasuo Asami, Aki Kuroda | Biotechnology Letters | 1051-1054 | 2008 | 原著論文 |
| Swallowable Biosensor: Development of Digestive Organs Sensors for Continuous Diagnosis | Tomohide Noda, Yuji Murakami, Tomohiro Ishikawa, Nobuo Sasaki, Zhang Yi, Tsuyoshi Takeuchi, Takunari Kunimasa, Katsuaki Shibata, Tetsushi Koide, Koh Jinhuchi, Aki Kuroda | 214th The Electrochemical Society Meeting | | 2008 | 原著論文 |
| Antibiotic production, linear plasmids and linear chromosomes in Streptomyces | Kinashi, H. | Actinomycetologica | 20-29 | 2008 | 総説論文 |
| Gene disruption analysis of two glycosylation steps in lankamycin biosynthesis in Streptomyces rochei | Arakawa, K, Suzuki, T, Kinashi, H, Yamamoto, S, He, Y, Arakawa, K, Kinashi, H | J. Bacteriol. | 1308-1316 | 2008 | 原著論文 |
| 7-Butyro lactone-dependent expression of the SARP gene srrY plays a central role in the regulatory cascade leading to lankacidin and lankamycin production in Streptomyces rochei | Ruthada Chanklan, Masaki Mizunuma, Ngampong Kongkathip, Komkrit Hasitapan, Boonsong Kongkathip, Tokuchi Miyakawa | Biosci. Biotechnol. Biochem. | 1023-1031 | 2008 | 原著論文 |
| Identification of tub1-α-tubulin as a potential target for NKH-7, a cytotoxic 1-naphthol derivative compound, in Saccharomyces cerevisiae | Y. Kobayashi, T. Inai, M. Mizunuma, I. Okada, A. Shitamukai, D. Hirata, T. Miyakawa | Biochemical and Biophysical Research Communications | 50-55 | 2008 | 原著論文 |
| Identification of Top1 and Cdc8 mutations defective in the responses to osmotic stress | Y. Kobayashi, T. Inai, M. Mizunuma, I. Okada, A. Shitamukai, D. Hirata, T. Miyakawa | Biochemical and Biophysical Research Communications | 50-55 | 2008 | 原著論文 |
| A bisaborane sesqui terpenoid endoperoxidase, 3,6-epidioxy-1,10-bisaboladiene isolated from Callicia delphiniiforia possesses anti-tumore activity with the induction of apoptosis | 岩瀬 美子 | Biosci. Biotechnol. Biochem. | 2463-2466 | 2008 | 原著論文 |
| A continuous-flow ATP amplification system for increasing the sensitivity of quantitative bioluminescence assay | 黒田 哲夫 | Anal. Biochem. | 116-120 | 2008 | 原著論文 |
| 「飲むバイオセンサー」開発に向けて | 村上 裕子 | 生物工学会誌 | 572-573 | 2008 | 原著論文 |
| An artificial denture for swallowing inspection | Tomohiro Ishikawa, Takunari Kunimasa, Nobuo Sasaki, Yuji Murakami, Takeshi Yoshida, Kazuhito Tsuga | 第25回「センサ・マイクロマシンと応用システム」シンポジウム | | 2008 | 原著論文 |
| Analysis of GDP-D-Mannose Pyrophosphorylase Gene Promoter from Acerola (Malpighia glabra) and Increase in Ascorbate Content of Transgenic Tobacco Expressing the Acerola Gene. | Badejo A. A, Tanaka N, Esaka M | Plant and Cell Physiology | 126-132 | 2008 | 原著論文 |
| Spindle checkpoint activation at meiosis I advances anaphase II onset via meiosis-specific APC/C regulation | A. Yamamoto, K. Kitamura, S. Hihara, Y. Hirose, S. Katsuyama, Y. Hiraoka | J. Cell Biol. | 277-288 | 2008 | 原著論文 |
| Analysis of Endocrine Disrupting Chemicals and Microbes in Alcoholic Beverages and Sake Cake | K. Goto | Report of the Research Institute of Fermentation | 43-56 | 2008 | 原著論文 |
| Title | Authors | Magazine | Vol. | No. | Pages | Year | Classification |
|-------|---------|----------|------|-----|-------|------|----------------|
| Effect of a Concentrate of Sake and Ethyl α-D-glucoside on Chronic Alcohol-induced Liver Injury in Mice | H. Izu, K. Hizume, K. Goto, M. Hirotsune | J. Brew. Soc. Japan | 103 | 8 | 646-652 | 2008 | 原著論文 |
| Inhibition of Ca2+-signal-dependent growth regulation by radicicol in budding yeast | Rubidah Chanklan, Eiji. Aihara, Saori. Koga, Hidetoshi. Takahashi, Masaki Mizunuma | Biosci. Biotechnol. Biochem. | 72 | 1 | 132-138 | 2008 | 原著論文 |
| Involvement of autoimmunity against nuclear histone H1 in liver transplantation tolerance. | T. Nakano, S. Goto, C.Y. Lai, L.W. Hsu, J.L. Wong, S. Kawamoto, K.C. Chiang, N. Ohtori, T. Goto, S. Sato, C.H. Yang, C.C. Wang, B. Jawan, Y.F. Cheng, K. Ono, C.L. Chen | Transplant. Immunol. | 19 | 2 | 87-92 | 2008 | 原著論文 |
| Two kinds of behavioral evaluation of intoxication by oral administration of ethanol in mice | H. Izu, K. Goto, S. Sakata | J. Animal Psychology | 58 | 1 | 1-13 | 2008 | 原著論文 |

C. 半導体集積科学 (Dept. of Semiconductor Electronics and Integration Science)

| Title | Authors | Magazine | Vol. | No. | Pages | Year | Classification |
|-------|---------|----------|------|-----|-------|------|----------------|
| A 12-mW 500-Mb/s 0.18-μm CMOS Pulsed UWB Transceiver Suitable for Sub-meter Short-range Wireless Communication | Mamoru Sasaki | 广大 | 593-596 | 2008 | | 国際会議議事録 |
| A 2.0 Vpp input, 0.5 V supply Delta Amplifier with A-to-D conversion | 岩田 慎, 吉田 毅 | Proceedings of 2008 IEEE Asian Solid-State Circuit Conference | pp.265-268 | 2008 | | 国際会議議事録 |
| A Consistently Potential Distribution Oriented Compact IGBT Model | M. Miyake, A. Ohashi, M. Yokomichi, H. Masuoka, T. Kajiwara, N. Sadachika, U. Feldmann, H.J. Mattausch, M. Miura-Mattausch, T. Kojima, T. Shoji, Y. Nishibe | Proceedings 39th Annual IEEE Power Electronics Specialists Conference | 998-1003 | 2008 | | 国際会議議事録 |
| A Wireless Chip for Intra-Oral Temperature Measurement | T. Ishikawa, Y. Masui, K. Johguchi, T. Yoshida, Y. Murakami | Proc. of The 15th Workshop on Synthesis And System Integration of Mixed Information | 477-481 | 2008 | | 国際会議議事録 |
| AFM/KFM Detection of Si-tagged ProteinA on HF-last Si(100), Thermally Grown SiO2 and Si-QDs Surfaces | K. Makihara, M. Breda, S. Higashi, Y. Hata, A. Kuroda, S. Miyazaki | 4th International Workshop in New Group IV Semiconductor Nanoelectronics (SiGe(C)2008) | 39-40 | 2008 | | 国際会議議事録 |
| Application of Thermal Plasma Jet Annealing to Channel Crystallization and Doping for Thin Film Transistor Fabrication | H. Kaku, S. Higashi, A. Nakajima, T. Yorimoto, H. Okada, H. Furukawa, A. Nakajima | 2008 The Fifteenth International Workshop on Active-Matrix Flatpanel Displays and Devices (AM-FPD'08) | 33-36 | 2008 | | 国際会議議事録 |
| Bias temperature instability in metal–oxide–semiconductor field–effect transistors with atomic–layer-deposited Si-nitride/SiO2 stack gate dielectrics | S. Zhu, K. Hizume, A. Nakajima | J. Appl. Phys. | 103 | 8 | 84512-84518 | 2008 | 原著論文 |
| 項目名 (Titles) | 著者名 (Authors) | 雑誌名 (Magazines) | 卷 (Vol.) | 号 (No.) | 頁 (Pages) | (年) (Year) | 論文種別 (Classif.) |
|----------------|----------------|------------------|----------|---------|-----------|----------|------------------|
| Capability of Electrothermal Simulation for Automotive Power Application using Novel LDMOS Model | T. Kojima, T. Kajiwara, M. Miyake, U. Feldmann, M. Miura- | Proceedings of International Conference on Solid State Devices and Materials | 13th Advanced Heterostructures and Nanostructures Workshop | 734-735 | (2008) | 国際会議議事録 |
| Capacitance measurements on quantum dots coupled to a two-dimensional electron system | S. Nomura, Y. Sakurai, Y. Takada, M. Muraguchi, T. Endoh, M. Ikeda, K. Makihara, S. Miyazaki, K. Shiraiishi | | | 8 | (2008) | 国際会議議事録 |
| Characteristics tunneling of Si quantum dot floating gate at low temperature and in magnetic fields | Y. Sakurai, S. Nomura, K. Shiraiishi, M. Ikeda, K. Makihara, S. Miyazaki | 25th International Conference on Low Temperature Physics | | PD-Tu266 | (2008) | 国際会議議事録 |
| Characterization of Chemical Bonding Features and Electronic States of Ni-Silicide Nanodots Formed by a Remote H2-Plasma Assisted Technique | K. Makihara, A. Ohta, R. Matsumoto, M. Ikeda, K. Shimanoe, S. Higashi, S. Miyazaki | | | 45 | (2008) | 国際会議議事録 |
| Characterization of Chemical Bonding Features in HfGdxOy film formed by MOCVD using DPM precursors | D. Kanme, A. Ohta, R. Yougauchi, H. Murakami, S. Higashi, S. Miyazaki | 2008 International Workshop on Dielectric Thin Films for Future ULSI Devices (IWDTF) | | 25-26 | (2008) | 国際会議議事録 |
| Characterization of Ge Photodetectors Fabricated on Vicinal Si Substrate | K. Kuriyama, K. Terao, S. Yokoyama, R. Matsumoto, M. Ikeda, S. Higashi, S. Miyazaki | Abst. Int. Conf. on Solid State Devices and Circuits (ISPSD2008) | | 284-285 | (2008) | 国際会議議事録 |
| Characterization of Multistep Electron Charging and Discharging of a Silicon Quantum Dots Floating Gate by Applying Pulsed Gate Biases | K. Matsumoto, M. Ikeda, S. Higashi, S. Miyazaki | Jpn. J. Appl. Phys. 47 4 | 3103-3106 | (2008) | 原著論文 |
| Characterization of Thermal Stability of HfO2/SiON/Ge(100) Stacked Structure by using Photoemission Spectroscopy | A. Ohta, H. Nakagawa, H. Murakami, S. Higashi, S. Miyazaki | 4th International SiGe Technology and Device Meeting (ISTDM2008) | | 88-89 | (2008) | 国際会議議事録 |
| Charge Injection and Emission Characteristics of Hybrid Floating Gate Stack Consisting of NiSi-Nanodots and Silicon-Quantum-Dots | M. Ikeda, R. Matsumoto, K. Shimanoe, K. Makihara, S. Miyazaki | 2008 International Conference on Solid State Devices and Materials (SSDM) | | 182-183 | (2008) | 国際会議議事録 |
| Compact Double-Gate Metal-Oxide-Semiconductor Field Effect Transistor Model for Device/Circuit Optimization | N. Sadachika, T. Murakami, H. Oka, R. Tanabe, H. J. Mattausch, M. Miura- | IEICE Trans. Electron E91-C | 8 | 1379-1381 | (2008) | 原著論文 |
| Conduction path fluctuation in Si two-dimensional tunnel junction array | K. Matsushita, A. Nakajima | the 2008 International Microprocesses and Nanotechnology Conference | | 122-123 | (2008) | 原著論文 |
| Consistent Dynamic Depletion Model of SOI-MOSFETs for Circuit/Device Optimization | S. Kusu, K. Ishimura, K. Ohyama, T. Miyoshi, D. Hori, N. Sadachika, T. Murakami, M. Ando, H. J. Mattausch, M. Miura-, M. Miura- | Proceedings of the 34th 2008 IEEE International SOI Conference | | 59-60 | (2008) | 国際会議議事録 |
| 論文のタイトル | 著者名 | 話名 | 巻 | 号 | 頁 | (年) | 論文種別 |
|---------------|--------|------|---|---|----|------|----------|
| Construction of a Compact Modeling Platform and its Application to the Development of Multi-Gate MOSFET Models for Circuit Simulation | M. Miura-Mattausch, M. Chan, J. He, H. Koike, T. Nakagawa, Y. J. Park, T. Tsutsumi | Proceedings of the 5th International Workshop on Compact Modeling | | | 1-4 | (2008) | 国際会議議事録 |
| Construction of a Compact Modeling Platform and its Application to the Development of Multi-Gate MOSFET Models for Circuit Simulation | M. Miura-Mattausch, M. Chan, J. He, H. Koike, T. Nakagawa, Y. J. Park, T. Tsutsumi | Proceedings of the 2008 NIST Nanotechnology Conference and Trade Show | | | 764-769 | (2008) | 国際会議議事録 |
| Control of Electronic Charged States of Si-Based Quantum Dots for Floating Gate Application | S. Miyazaki, K. Makihara, M. Ikeda, K. Sakaike, S. Higashi, H. Murakami, S. Miyazaki | Thin Solid Films | 517 | 1 | 41-44 | (2008) | 原著論文 |
| Crystallization of amorphous Ge films induced by semiconductor diode laser annealing | A. Nakajima, T. Fujiaki, Y. Fukuda | THIN SOLID FILMS | 516 | 11 | 3595-3600 | (2008) | 原著論文 |
| Dependence of charge storage and programming characteristics on dot number of floating dot memory | T. Kudo, T. Kasama, S. Yokoyama, T. Kikkawa, H. Sunami, T. Ishikawa, T. Ikeda, Y. Hata, M. Suzuki, S. Tokonami, K. Okuyama, T. Tabei, K. Ohkura, Y. Kayaba, Y. Tanushi, Y. Amemiya, Y. Oho, T. Monzen, Y. Murakami, A. Kuroda, A. Nakajima | Appl.Phys Lett. | 92 | 22 | 223503-223505 | (2008) | 原著論文 |
| Development of Biosensor using Si Nanowise Transistor | T. Kudo, T. Kasama, S. Yokoyama, T. Kikkawa, H. Sunami, T. Ishikawa, T. Ikeda, Y. Hata, M. Suzuki, S. Tokonami, K. Okuyama, T. Tabei, K. Ohkura, Y. Kayaba, Y. Tanushi, Y. Amemiya, Y. Oho, T. Monzen, Y. Murakami, A. Kuroda, A. Nakajima | the 2008 International Microprocesses and Nanotechnology Conference | | | 122-123 | (2008) | 原著論文 |
| Development of Common Platform with Modularized Models Enabling Selective Combinations of Different Models | H. Kikuchihara, T. Nakagawa, H. Koike, M. Miura-Mattausch | IEEE Workshop on Compact Modeling | | | 67-71 | (2008) | 国際会議議事録 |
| Development of Multi-Gate MOSFET Models for Circuit Simulation with a Compact Modeling Platform | H.J. Mattausch, M. Chan, J. He, H. Koike, M. Miura-Mattausch, T. Nakagawa, Y. J. Park, T. Tsutsumi | Proceedings of the 15th International Conference on Mixed Design of Integrated Circuits and Systems | | | 59-64 | (2008) | 国際会議議事録 |
| Disposable Bacterial Counting Cassette Integrated with Pretreatment and Micro Flow-Cell Based on Flow Cytometry Technique | Keiji Takenaka, Yasuhiyo Sasasaki, Hisao Inami, Hisao Nakamoto, Yusuke Watanabe, Masao Kuribara, Kazuo Takei, Shigenori Togashi, Ryo Miyake | Proceedings of the International Symposium on Microchemistry and Microsystems 2008, Kyoto, Japan | | | | (2008) | 国際会議議事録 |
| Early Breast Cancer Detection by Ultrawide Band Imaging with Dispersion Consideration | X. Xiao, T. Kikkawa | Japanese Journal of Applied Physics | 47 | No. 3209 | | (2008) | 原著論文 |
| 論文の標題 ( Titles) | 著者名 (Authors) | 雑誌名 (Magazines) | 卷 (Vol.) | 号 (No.) | 頁 (Pages) | (年) (Year) | 論文種別 (Classif.) |
|---------------------|----------------|------------------|--------|-------|--------|--------|---------------------|
| Effect of He addition on the heating characteristics of substrate surface irradiated by Ar thermal plasma jet | T. Okada S. Higashi H. Kaku N. Koba H. Murakami S. Miyazaki | THIN SOLID FILMS | 516 | 11 | 3680-3683 | 2008 | 原著論文 |
| Electric Field Drive Silicon Optical Modulator by Carrier Concentration | Y. Amemiya Y. Tanushi T. Tokunaga S. Yokoyama S. Mahboob K. Makihara H. Kaku M. Ikeda S. Higashi S. Miyazaki A. Kuroda H. Kaku | Proc. International Conference on Photonics in Switching | 2008 | 155-158 | 国際会議議事録 |
| Electrical Detection of Si-tagged Proteins on HF-last Si(100) and Thermally Grown SiO2 Surfaces | K. Makihara M. Ikeda S. Higashi S. Miyazaki | 2008 Asia-Pacific Workshop on Fundamentals and Applications of Advanced Semiconductor Devices (AWAD2008) | 2008 | 271-274 | 国際会議議事録 |
| Electrical Properties of Highly Crystallized Ge:H Thin Films Grown from VHF Inductively-Coupled Plasma of H2-diluted GeH4 | K. Makihara M. Ikeda S. Higashi S. Miyazaki | International Union Material Research Society – International Conference in Asia 2008 (IUMRS-ICA 2006) | 2008 | 213 | 国際会議議事録 |
| Electronic Charged States of Pt-silicide Nanodots as Evaluated by Using an AFM/Kelvin Probe Technique | K. Makihara K. Shimano M. Ikeda A. Ohta S. Higashi S. Miyazaki | IEEE, Photonics Technology Letters | 2008 | 1051-1053 | 原著論文 |
| Electronic Charged States of Pt-silicide Nanodots as Evaluated by Using an AFM/Kelvin Probe Technique | C.T.DeRose D. Mathine Y. Enami R.A.Norwood J. Luo A. Jen N. Peyghambarian | Conference on Lasers and Electro-Optics 2008, Baltimore, MD, USA | CTuR7 | 2008 | 国際会議議事録 |
| Electronic Charged States of Pt-silicide Nanodots as Evaluated by Using an AFM/Kelvin Probe Technique | T. Yorimoto S. Higashi H. Kaku T. Okada H. Murakami S. Miyazaki T. Matsui A. Masuda M. Kondo | Material Research Society Spring Meeting | A12.3 | 2008 | 国際会議議事録 |
| Electropolymer waveguide modulators with refractive index tapers leading to low coupling loss and a high confinement factor | C.T.DeRose D. Mathine Y. Enami R.A.Norwood J. Luo A.K-Y.Jen N. Peyghambarian | International Union Material Research Society – International Conference in Asia 2008 (IUMRS-ICA 2006) | 2008 | 213 | 国際会議議事録 |
| Electro-optic Polymer Modulator with Single-Mode to Multimode Waveguide Transitions | C. DeRose D. Mathine Y. Enami R. Norwood J. Luo A. Jen N. Peyghambarian | Conference on Lasers and Electro-Optics 2008, Baltimore, MD, USA | CTuR7 | 2008 | 国際会議議事録 |
| Electro-optic polymer waveguide modulators with refractive index tapers leading to low coupling loss and a high confinement factor | C.T.DeRose D. Mathine Y. Enami R.A.Norwood J. Luo A.K-Y.Jen N. Peyghambarian | Conference on Lasers and Electro-Optics 2008, Baltimore, MD, USA | CTuR7 | 2008 | 国際会議議事録 |
| Formation of Low-Defect-Concentration Polycrystalline Si Films by Thermal Plasma Jet Crystallization and Their application to Thin-Film Transistor | T. Yorimoto S. Higashi H. Kaku T. Okada H. Murakami S. Miyazaki T. Matsui A. Masuda M. Kondo | JAPANESE JOURNAL OF APPLIED PHYSICS | 47 | 8 | 6949-6952 | 2008 | 原著論文 |
| Formation of Low-Defect-Concentration Polycrystalline Si Films by Thermal Plasma Jet Crystallization Technique | T. Yorimoto S. Higashi H. Kaku T. Okada H. Murakami S. Miyazaki T. Matsui A. Masuda M. Kondo | JAPANESE JOURNAL OF APPLIED PHYSICS | 47 | 8 | 6949-6952 | 2008 | 原著論文 |
| Formation of Low-Defect-Concentration Polycrystalline Si Films by Thermal Plasma Jet Crystallization Technique | T. Yorimoto S. Higashi H. Kaku T. Okada H. Murakami S. Miyazaki T. Matsui A. Masuda M. Kondo | JAPANESE JOURNAL OF APPLIED PHYSICS | 47 | 8 | 6949-6952 | 2008 | 原著論文 |
| Formation of metal and silicide nanodots on ultra thin gate oxide induced by H2-plasma | S. Miyazaki M. Ikeda K. Makihara K. Shimano K. Shimanoe R. Matsumoto | 17th World Interfinish Congress & Exposition with 9th International Conference on Advanced Surface Engineering (9th IOSASE) | IN-07 | 2008 | 国際会議議事録 |
| Formation of Metal Silicide Nanodots on Ultrathin SiO2 for Floating Gate Application | S. Miyazaki M. Ikeda K. Makihara K. Shimano | The European Materials Research Society (E-MRS) 2008 Fall Meeting | 66-67 | 2008 | 国際会議議事録 |
| 専門 | 項目 | 作者 | 会議名 | 会議コード | カテゴリ |
|------|------|------|--------|-------------|----------|
| 成形 | 金属ナノドット | S. Miyazaki, M. Ikeda, K. Makihara, K. Shimanoe, R. Matsumoto | 4th International Workshop in New Group IV Semiconductor Nanoelectronics | 53-54 (2008) | 国際会議議事録 |
| 生成 | Ni-およびPt-ナノドット | M. Ikeda, K. Shimanoe, R. Matsumoto, K. Makihara, S. Miyazaki | 2008 Asia-Pacific Workshop on Fundamentals and Applications of Advanced Semiconductor Devices (AWAD2008) | 2283 (2008) | 国際会議議事録 |
| 生成 | Siナノクリスタル | T. Okada, S. Miyazaki, H. Kaku, S. Higashi | 14th Electrochemical Society (ECS) Meeting and 2008 Fall Meeting Electrochemical Soc. Jpn. (PRIME 2008) | 177-182 (2008) | 原著論文 |
| 生成 | Siナノクリスタル | T. Okada, S. Miyazaki, H. Kaku, S. Higashi | International TFT Conference 2008 | 331-334 (2008) | 国際会議議事録 |
| 生成 | シリコンナノドット | K. Makihara, A. Kawanami, M. Ikeda, S. Miyazaki | 4th International Workshop in New Group IV Semiconductor Nanoelectronics | 37-38 (2008) | 国際会議議事録 |
| 生成 | 頻度依存性 | T. Minami, Y. Takeda, M. Miyake, M. Miura-Mattausch, H.J. Mattausch, T. Ohguro, T. Iizuka, M. Taguchi | Japanese Journal of Applied Physics | 2610-2615 (2008) | 原著論文 |
| 生成 | CMOSテクノロジー | T. Kikkawa, R. K. Saha, N. Sasaki, K. Kimoto | IEEE Journal of Solid-State Circuits | 1303-1312 (2008) | 原著論文 |
| 生成 | Shallow Junction | K. Shibahara, T. Fukunaga, T. Hosoi | Proceedings of 2008 Korea-Japan Joint Workshop on Advanced Semiconductor Processes and Equipments | 163-166 (2008) | 国際会議議事録 |
| 生成 | Shallow Junction | H. Furukawa, S. Higashi, T. Okada, H. Murakami, S. Miyazaki | 30th International Symposium on Dry Process (DPS 2008) | 267-268 (2008) | 国際会議議事録 |
| 生成 | Complex Objects | Naomi Nagaoka, Keita Okazaki, Tatsuya Sugahara, Tetsushi Koide, H. J. Mattausch | Proceedings of International Symposium on Intelligent Signal Processing and Communication Systems | (2008) | 国際会議議事録 |
| Authors | Magazine | Vol. | No. | Pages | Year | Classif. |
|---------|----------|------|-----|-------|------|----------|
| Okada T., Higashi S., Yorimoto T., Murakami H., Miyazaki S. | Solid-State Electronics | 52 | | 377-380 | 2008 | 原著論文 |
| Ono Y., Kaku H., Makihara K., Higashi S., Miyazaki S., Ohashi A., Miyake M., Yokomichi M., Masuoka H., Kajiwara T., Kojima N., Sadachika U., Feldmann H.J., Mattausch H., Miura-Mattausch M. | The 1st International Conference on Plasma-Nano Technology & Science (IC-PLANTS 2008) | | | P-04 | 2008 | 国際会議議事録 |
| | | | | | | |
| Miyake M., Yokomichi M., Sakuda T., Oritsuki Y., Miyake N., Sadachika H., Kikuchihara U., Feldmann H.J., Mattausch H., Miura-Mattausch M. | Proceedings of the 5th International Workshop on Compact Modeling | | | 49-52 | 2008 | 国際会議議事録 |
| | | | | | | |
| Miyake M., Yokomichi M., Sakuda T., Oritsuki Y., Miyake N., Sadachika H., Kikuchihara U., Feldmann H.J., Mattausch H., Miura-Mattausch M. | Proceedings of the International Conference on Solid-State and Integrated-Circuit Technology | | | B1.5 | 2008 | 国際会議議事録 |
| | | | | | | |
| Miyake M., Yokomichi M., Sakuda T., Oritsuki Y., Miyake N., Sadachika H., Kikuchihara U., Feldmann H.J., Mattausch H., Miura-Mattausch M. | Proceedings of the 2008 NIST Nanotechnology Conference and Trade Show | | | 893-896 | 2008 | 国際会議議事録 |
| | | | | | | |
| Miyake M., Yokomichi M., Sakuda T., Oritsuki Y., Miyake N., Sadachika H., Kikuchihara U., Feldmann H.J., Mattausch H., Miura-Mattausch M. | NSTI-Nanotech | | | 893-896 | 2008 | 国際会議議事録 |
| | | | | | | |
| Peyghambarian N., Enami Y., Mathine D., DeRose C.T., Norwood R.A., Luo J., Yen A.K.-Y., Jen J. | The 21st Annual Meeting IEEE of Lasers & Electro-Optics Society, Newport Beach, CA USA. | | | TuV3 | 2008 | 国際会議議事録 |
| | | | | | | |
| Kaku H., Higashi S., Furukawa H., Okada T., Yorimoto T., Murakami H., Miyazaki S. | The 1st International Conference on Plasma-Nano Technology & Science (IC-PLANTS 2008) | | | 5 | 2008 | 国際会議議事録 |
| | | | | | | |
| Kakihi M., Ikeda S., Higashi S., Miyazaki S., Suzuki M., Nagata K., Yokoyama S. | Thin Solid Films | 517 | 1 | | 306-308 | 2008 | 原著論文 |
| | | | | | | |
| Ito K., Ikeda S., Higashi S., Miyazaki S., Suzuki M., Nagata K., Yokoyama S. | Japanese Journal of Applied Physics | 47 | 4 | | 2897-2901 | 2008 | 原著論文 |
| 項目名  | 著者名  | 誌名  | 卷号 | 号数 | 頁數 | 年代 | 論文種類 |
|--------|--------|-------|------|------|------|------|----------|
| In-situ measurement of temperature variation in Si wafer during millisecond rapid thermal annealing induced by thermal plasma jet irradiation | H. Furukawa, S. Higashi, T. Okada, H. Kaku, H. Murakami, S. Miyazaki | JAPANESE JOURNAL OF APPLIED PHYSICS | 47 | 4 | 2460–2463 | 2008 | 原著論文 |
| In-situ Monitoring of Si Wafer Temperature during Millisecond Rapid Thermal Annealing | H. Furukawa, S. Higashi, T. Okada, H. Kaku, H. Murakami, S. Miyazaki | 213th Electrochemical Society (ECS) Meeting Abs. | | | | | | 国際会議議事録 |
| Integration architecture of content addressable memory and massive-parallel memory-embedded SIMD matrix for versatile multimedia processor | T. Kumaki, M. Ishizaki, T. Koide, H. J. Mattausch, Y. Kuroda, T. Gyohten, H. Noda, K. Doaka, K. Arimoto, K. Saito | IEICE Transactions on Electronics | E91-C | 9 | 1409–1418 | 2008 | 原著論文 |
| Interface properties and effective work function of Sb-predoped fully silicided NiSi gate | T. Hosoi, K. Sano, A. Ohta, K. Makihara, H. Kaku, S. Miyazaki, K. Shibafara | Surface and Interface Analysis | 40 Iss.6–7 | | 1126–1130 | 2008 | 原著論文 |
| La-Oxide Thin Films Formed by MOCVD Using La(TMOD)3 | R. Yougauchi, A. Ohta, H. Murakami, S. Higashi, S. Miyazaki | International Union Material Research Society – International Conference in Asia 2008 (IUMRS-ICA 2008) | | | | | | 国際会議議事録 |
| Laterally Diffused Metal Oxide Semiconductor Model for Device and Circuit Optimization | M. Yokomichi, N. Sadochika, M. Miyake, T. Kajiwara, H. J. Mattausch, M. Miura- | Japanese Journal of Applied Physics | 47 | 4 | 2560–2563 | 2008 | 原著論文 |
| Low Defect Density Polycrystalline Si Films Formed by Thermal Plasma Jet Crystallization and Their Application to Thin-Film Transistor | T. Yorimoto, S. Higashi, H. Kaku, T. Okada, H. Murakami, S. Miyazaki | Abs. 2007 Material Research Society Spring Meeting | | | | | | 国際会議議事録 |
| Low Power and Area Efficient Image Segmentation VLSI Architecture Using 2-Dimensional Pixel-Block Scanning | Keita Okazaki, Naomi Nagaoka, Tatsuya Sugahara, Tetsushi Koide, H. J. Mattausch | Proceedings of International Symposium on Intelligent Signal Processing and Communication Systems | | | | | | 国際会議議事録 |
| Low power and low voltage chopper amplifier without LPF | 岩田 俊, 吉田 熊 | IEICE Electronics Express | Vol.5 No.22 | | pp.967–972 | 2008 | 原著論文 |
| Low Temperature High-rate Growth of Crystalline Ge Films on Quartz and Crystalline Si Substrates from VHF Inductively-Coupled Plasma of GeH4 | T. Sakata, K. Makihara, H. Deki, S. Higashi, S. Miyazaki | Thin Solid Films | 517 | 1 | 216–218 | 2008 | 原著論文 |
| Low-Power Image-Segmentation VLSI Design Based on a Pixel-Block Scanning Architecture | K. Okazaki, K. Awane, N. Nakaoka, T. Sugahara, T. Koide, H. J. Mattausch | Extended Abstracts of the 2002 International Conference on Solid State Devices and Materials | | | 474–475 | 2008 | 国際会議議事録 |
| 項目 | タイトル | 著者 | 雑誌名 | 巻 | 号 | 頁 | 年 | 項目種類 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 論文の標題 | Magneto-optic Effect in Amorphous Bi3Fe5O12 Waveguide Sputtered at Room Temperature | H. Taura Y. Shishido Y. Tanushi S. Yokoyama | Japanese Journal of Applied Physics | 47 | 4 | 2915-2920 | 2008 | 原著論文 |
| | Measurement of Surface Tension and Viscosity of Ethanol / Water Solutions Mixed with Micro Process Server by Surface Laser-Light Scattering | Takashi Kozu Tetsuro Miyamoto Ryo Miyake Yuji Nagasaki | Proceedings of 18th European Conference on Thermo-physical Properties, Pau | | | | | 国際会議議事録 |
| | Metal Nanodots Formation Induced by Remote Plasma Treatment —Comparison between the effects of H2 and rare gas plasmas— | K. Shimanoe K. Makihara M. Ikeda S. Higashi S. Miyazaki | International Union Material Research Society – International Conference in Asia 2008 (IUMRS-ICA 2008) | | | | | 国際会議議事録 |
| | Millisecond Rapid Thermal Annealing of Si Wafer Induced by High Density Thermal Plasma Jet Irradiation | H. Furukawa S. Higashi T. Okada H. Kaku H. Murakami S. Miyazaki | Ext. Abs. 2008 Int. Conf. Solid State Dev. Mat. | | | 852-853 | 2008 | 国際会議議事録 |
| | Modeling Analysis of Short–Channel Effects in Double–Gate MOSFETs | K. Ishimura N. Sadachika M. Miura–Mattausch | Proceedings of International Conference on Solid State Devices and Materials | | | 46-47 | 2008 | 国際会議議事録 |
| | Modeling of Floating–Body Devices Based on Complete Potential Description | N. Sadachika T. Murakami M. Ando K. Ishimura K. Ohyama M. Miyake H.J. Mattausch M. Miura–Mattausch | Proceedings of the 2008 NIST Nanotechnology Conference and Trade Show | | | 778-781 | 2008 | 国際会議議事録 |
| | Modeling of Floating–Body Effect in Silicon-on-Insulator Metal–Oxide–Silicon Field-Effect Transistor with Complete Surface-Potential-Based Description | T. Murakami M. Ando N. Sadachika T. Yoshiida M. Miura–Mattausch | Jpn. J. Appl. Phys. 47 4 2556-2559 | 2008 | 原著論文 |
| | Modeling of High–Voltage MOSFETs for Device/Circuit Optimization | M. Miura–Mattausch M. Yokomichi N. Sadachika Y. Oritsu T. Sakuda M. Miyake T. Kajiwara H. Kikuchihara U. Feldmann H.J. Mattausch | Extended Abstracts of the 2008 International Conference on Solid State Devices and Materials | | | 730-731 | 2008 | 国際会議議事録 |
| | Non–Quasi–Static Carrier Dynamics of MOSFETs under Low–Voltage Operation | M. Miyake D. Hori N. Sadachika U. Feldmann M. Miura–Mattausch H.J. Mattausch T. Iizuka K. Matsuzawa Y. Sahara T. Hoshida T. Tsukada | Proceedings of the IEEE International Conference on Simulation of Semiconductor Processes and Devices | | | 381-384 | 2008 | 国際会議議事録 |
| | Novel transversely tapered hybrid electro-optic polymer/sol-gel waveguide modulators | Y. Enami D. Mathine C.T.DeRose R.A.Norwood J. Luo A.K-Y.Jen N. Peyghambarian | The 21st Annual Meeting IEEE of Lasers & Electro-Optics Society, Newport Beach, CA USA | | | WDD4 | 2008 | 国際会議議事録 |
| | Nucleation Control for High Density Formation of Si-based Quantum Dots on Ultrathin SiO2 | K. Makihara A. Kawanami M. Ikeda S. Higashi S. Miyazaki | ECS Trans. 16 10 255-260 | 2008 | 原著論文 |
| 項目名稱 | 作者名 | 資源名稱 | 巻 | 号 | 頁 | 年 | 論文種類 |
|----------|--------|----------|----|----|----|----|----------|
| Nucleation Control for High Density Formation of Si-based Quantum Dots on Ultrathin SiO2 | K. Makihara, A. Kawanami, M. Ikeda, S. Higashi, S. Miyazaki, T. Karakawa, H. Murakami, S. Miyazaki | 214th Electrochemical Society (ECS) Meeting: SiGe & Ge Materials, Processing and Device Symposium | | | | 2008 | 国際会議議事録 |
| Nucleation study of hydrogenated microcrystalline silicon (mu-c-Si: H) films deposited by VHF-ICP | | THIN SOLID FILMS | 516 | 11 | 3497-3501 | 2008 | 原著論文 |
| On Local Handling of Inner Equations in Compact Models | U. Feldmann, M. Miyake, T. Kajiwara, M. Miura-Mattausch | Scientific Computing in Elect. Eng. | | | | 2008 | 国際会議議事録 |
| Photoelastic Effect in Silicon Ring Resonator | Y. Amemiya, Y. Tanushi, T. Tokunaga, Y. Yokoyama | Japanese Journal of Applied Physics | 47 | No. 4 | 2910-2914 | 2008 | 原著論文 |
| Photoemission Study of Chemical Bonding Features and Electronic States of Ultrathin HfTixOy/Pt System | | 2008 International Conference on Solid State Devices and Materials (SSDM) | | | | 684-685 | 国際会議議事録 |
| Photoemission Study of Germanium oxide/Ge(100) interfaces | 村上 秀樹 | Abstract of 4th international SiGe Technology and Device Meeting | | | | 165-166 | 国際会議議事録 |
| Photoemission Study of Metal/HfSiON Gate Stack | S. Miyazaki, H. Yoshinaga, A. Ohta, Y. Y. Akasaka, K. Shiraiishi, K. Yamada, S. Inumiya, M. Kadoshima, Y. Nara | The 213th Electrochemical Society (ECS) Meeting | | | | #697 | 国際会議議事録 |
| Photoemission Study of Ultrathin Germanium Oxide/Ge(100) Interfaces | H. Murakami, M. Miura, A. Ohta, R. Yougauchi, S. Higashi, S. Miyazaki | 4th International SiGe Technology and Device Meeting (ISTDM2008) | | | | 165-166 | 国際会議議事録 |
| Photoluminescent Properties of SiOx Films Formed by Plasma Enhanced Chemical Vapor Deposition | T. Okada, S. Higashi, H. Kaku, T. Yorimoto, H. Murakami, S. Miyazaki | The 1st International Conference on Plasma-Nano Technology & Science (ICO-PLANTS 2008) | | | | 10 | 国際会議議事録 |
| Photoluminescent Properties of Thermal Plasma Jet Annealed SiOx Films Prepared by Plasma Enhanced Chemical Vapor Deposition | T. Okada, S. Higashi, H. Kaku, S. Miyazaki | 1st International Conference on Microelectronics and Plasma Technology (ICMAP) | | | | 192 | 国際会議議事録 |
| Plasma-enhanced Self-assembling Formation of Metallic Nanodots on Ultrathin SiO2 for Floating Gate Application | S. Miyazaki, M. Ikeda, K. Makihara, K. Shimanoe, R. Matsumoto, K. Makihara, M. Ikeda, S. Higashi, S. Miyazaki | International Union Material Research Society (IUMRS) – International Conference in Asia IEICE Trans. on Electronics | | E-91-C | 5 | 712-715 | 2008 | 原著論文 |
| Progress on Charge Distribution in Multiply-Stacked Si Quantum Dots / SiO2 Structure as Evaluated by AFM/KFM | | | | | | 131 | 国際会議議事録 |
| Selective Growth of Self-Assembling Si and SiGe Quantum Dots | K. Makihara, A. Kawanami, M. Ikeda, S. Higashi, S. Miyazaki | 4th International SiGe Technology and Device Meeting (ISTDM2008) | | | | 147-148 | 国際会議議事録 |
| Self-Assembling Formation of Nanodots on SiO2 Induced by Remote H2-plasma Treatment and Their Electrical Charging Characteristics | K. Makihara, K. Shimanoe, Y. Kawaguchi, M. Ikeda, S. Higashi, S. Miyazaki | Jpn. J. Appl. Phys. | 47 | 4 | 3099-3102 | 2008 | 原著論文 |
| 項目 | 項目名 | 著者名 | 巻号 | 頭稿 | 年度 | 論文種別 |
|------|--------|--------|------|------|------|-----------|
| Si Ring Optical Resonators for Integrated On-Chip Biosensing | Si Ring Optical Resonators for Integrated On-Chip Biosensing | S. Yamatogi, Y. Amemiya, S. Yokoyama | | Abst. Int. Conf. on Solid State Devices and | 934–935 | 2008 | 国際会議議事録 |
| Si Single-Electron Memory Having in-Plane Dot With Double Gates | Si Single-Electron Memory Having in-Plane Dot With Double Gates | T. Fujiki, K. Ohkura, A. Nakajima, T. Yamashita, Y. Nishida, T. Okagaki, Y. Miyagawa, J. Yugi, H. Oda, Y. Inoue, K. Shibahara | | Jpn.J.Appl.Phys. | 47 | 6 | 4985–4987 (2008) | 原著論文 |
| Stress from Discontinuous SiN Liner for Fully Silicided Gate Process | Stress from Discontinuous SiN Liner for Fully Silicided Gate Process | T. Yamashita, Y. Nishida, T. Okagaki, Y. Miyagawa, J. Yugi, H. Oda, Y. Inoue, K. Shibahara | | Jpn.J.Appl.Phys. | 47 | 4B | 2569–2574 (2008) | 原著論文 |
| The HiSIM Compact Model Family for Integrated Devices Containing a Surface-Potential MOSFET Core | The HiSIM Compact Model Family for Integrated Devices Containing a Surface-Potential MOSFET Core | H.J. Mattausch, M. Miura-Mattausch, N. Sadachika, M. Miyake, Y. Kayaba, T. Kikkawa, M. Muruguchi, Y. Takada, Y. Sakurai, T. Endoh, S. Nomura, M. Ikeda, K. Makihara, S. Miyazaki, K. Shirashi | | 39–50 | 2008 | 国際会議議事録 |
| Theoretical Investigation of maximum field strength in porous silica dielectric | Theoretical Investigation of maximum field strength in porous silica dielectric | | | Japanese Journal of Applied Physics | 47 | No. 7 | (2008) | 原著論文 |
| Theoretical investigation of quantum dot coupled to a two-dimensional electron system | Theoretical investigation of quantum dot coupled to a two-dimensional electron system | | | 13th Advanced Heterostructures and Nanostructures Workshop | 8 | (2008) | 国際会議議事録 |
| Threshold Voltage Modulation Using N2+ Implantation Into Substrate for Ni Fully Silicided Gate/High-k NMOS | Threshold Voltage Modulation Using N2+ Implantation Into Substrate for Ni Fully Silicided Gate/High-k NMOS | T. Yamashita, Y. Nishida, K. Eikyu, H. Oda, Y. Inoue, K. Shibahara | | IEEE Electron Device Lett | 29 | 10 | 1163–1166 (2008) | 原著論文 |
| Toward Predictable IGBT Model for Optimization of Device Parameters | Toward Predictable IGBT Model for Optimization of Device Parameters | A. Oohashi, M. Miyake, M. Yokomichi, H. Masuoka, T. Kaiwara, T. Kojima, N. Sadachika, U. Feldmann, H.J. Mattausch, M. Miura-Mattausch | | The 5th International Workshop on Compact modeling | 53–55 | (2008) | 原著論文 |
| Transversely tapered hybrid electro-optic polymer/sol-gel Mach-Zehnder waveguide modulators | Transversely tapered hybrid electro-optic polymer/sol-gel Mach-Zehnder waveguide modulators | Y. Enami, D. Mathine, C.T. DeRose, R.A. Norwood, J. Luo, A.K.-Y. Jen, N. Peyghambarian | | Applied Physics Letters | 92 | | 193508–6 (2008) | 原著論文 |
| XPS Study of TiAIN/HfSiON Gate Stack - Impact of Al Redistribution on Effective Work Function Change | XPS Study of TiAIN/HfSiON Gate Stack - Impact of Al Redistribution on Effective Work Function Change | A. Ohta, T. Mori, H. Yoshinaga, H. Murakami, S. Miyazaki, M. Kadoshima, Y. Nara | | 2008 International Workshop on Dielectric Thin Films for Future ULSI Devices (IWDTF) | 75–76 | (2008) | 国際会議議事録 |
| サイレンサ相の波導を用いた可変 resisting | サイレンサ相の波導を用いた可変 resisting | | | | | |
| 貞近 僑夫, 阿田 中代, 村上 賢洋, マタウシュ・ハンス・ヨルゲン・ネデレ, 賀利 義子 | 第56回応用物理学関係論文講演会 | 27p-ZC-4 | (2008) | 原著論文 |
| 論文題目(Titles)                                                                 | 著者名(Authors)                                                                 | 主査       | 副査            | 出版年 |
|-----------------------------------------------------------------------------|---------------------------------------------------------------------------------|------------|----------------|--------|
| The Verwey Transition and Complex-Orbital Ordering in Fe3O4 (Fe3O4におけるVerwey転移と複素数の軌道秩序) | 宇津 憲男                                                                          | 城 健男    | 小口 多美夫 高島 敏郎 田中 新 | (2008) |
| FIRST-PRINCIPLES STUDIES ON THE SUPERCONDUCTORS Y2C3 AND LA2C3 (第一原理計算による超伝導体Y2C3及びLa2C3の研究) | 西嘉山 悠介                                                                           | 小口 多美夫 | 城 健男 鈴木 孝至 | (2008) |
| 超臨界二酸化炭素の半導体デバイス洗浄プロセスへの応用のための研究 | 稲原 順一                                                                   | 高萩 隆行 | 角屋 昭 | (2008) |
| Hydrogen Absorption and Desorption Mechanisms of Lithium–Carbon–Hydrogen System (リチウム-炭素-水素系複合物質の水素吸収/放出機構) | 宮岡 裕樹                                                                           | 小島 由雄 | 高島 敏郎 小口 多美夫 | (2008) |
| Action mechanisms of small–molecule inhibitors for Ca2+–signal–mediated cell–cycle regulation in budding yeast (出芽酵母におけるCa2+シグナルによる細胞周期制御に作用する低分子阻害物質の作用機構に関する研究) | Ruthada Chanklan (宮川 都吉) | 宮川 都吉 | 木梨 陽康 | (2008) |
| Studies on the mechanisms implicated in G1 regulation in budding yeast (出芽酵母におけるG1期制御機構に関する研究) | 小林 香司                                                                               | 宮川 都吉 | 平田 大 | (2008) |
| 放線菌Streptomyces rocheiの巨大線状プラスマドpSLA2–Lの解析 | 立野 智資                                                                           | 木梨 陽康  | 小笠 和久 黒田 昭夫 | (2008) |
| コンニャクグルコマンナンの免疫調節作用と機能性食品への応用に関する研究 | 岡本 美智代 (宮川 都吉) | 宮川 都吉 | 平田 大 | (2008) |
| メダカ胚発生期におけるエストロゲン受容体、レチノイシン受容体、ダイオキシン受容体の役割に関する研究 | 杉山 一郎 | 山下 一郎 | 田中 昌和 黒田 昭夫 | (2008) |
| Studies on the intracellular transport between the endoplasmic reticulum and the Golgi apparatus | 入江 美智代 (宮川 都吉) | 宮川 都吉 | 平田 大 | (2008) |
| 微細CMOS実現に向けた高誘電率ゲート絶縁膜に関する研究 | 岩本 邦彦 | 宮崎 誠一 | 吉川 公昭 横山 新 茅原 健太郎 | (2008) |
| 光電子分光法による金属/Hf系高誘電率絶縁膜ゲートを用いたCMOSFETの特性解析 | 宮崎 誠一 | 宮崎 誠一 | 吉川 公昭 横山 新 | (2008) |

(2008)
| 項目 | タイトル | 担当者 | 年度 |
|------|--------|--------|------|
| ULSI多層配線用Cuめっきプロセス技術の研究 | (Plating Processes for Copper Interconnect Fabrications on ULSI Device) | 下山 正 | 吉川 公磨 | 横山 新 | 宮崎 誠一 | 東 清一郎 | (2008) |
| 下山 正 | 吉川 公磨 | 横山 新 | 宮崎 誠一 | 東 清一郎 |
| | 尾上 允敏 | 小口 多美夫 | 城 健男 | 髙橋 敏郎 |
| First-principles study of MNiSn(M=Ti, Zr and Hf) and ZrNCl | (第一原理計算によるMNiSn(M=Ti, Zr, Hf)とZrNClの研究) | 木本 健太郎 | 吉川 公磨 | 岩田 穆 | 横山 新 | 佐々木 守 | (2008) |
| Wireless Signal Transmission Using Si Integrated Antennas | (シリコン集積化アンテナによるワイヤレス信号伝送の研究) | 木本 健太郎 | 吉川 公磨 | 岩田 穆 | 横山 新 | 佐々木 守 | (2008) |
| Analysis and Modeling of the Double-Gate MOSFET | (Double Gate MOSFETの解析及びモデル化) | 貞近 倫夫 | 三浦 道子 | マタウシュハンスユルゲン | 宮崎 誠一 | フェルドマン | (2008) |
| ニッケルフルシリサイドゲートの短チャネルMOSFETへの適用に関する研究 | (Application of Ni Fully Silicided Gate to Short-channel MOSFET) | 山下 朋弘 | 芝原 健太郎 | 吉川 公磨 | 横山 新 | 宮崎 誠一 | (2008) |
| 著書名（編集者）(Book Titles) | 著者名(Authors) | 発行所(Publisher) | 発行年 (Year) | 編・著・訳・分担執筆等の区別 |
|-------------------------------|----------------|------------------|---------------|-----------------------------|
| 先端物質科学の世界 | 城 健男 岡本 宏己 高橋 敏郎 高秋 隆行 野上 弘之 加藤 純一 黒田 章夫 野田 優一 村上 裕二 中島 安里 平井 大 宮崎 誠一 三浦 達子 マタウシュ・ハンス・ユルゲン | 広島大学大学院 先端物質科学研究科 | (2008) | 共著 |
| The Physics of Organic Superconductors and Conductors | 嶋原 浩 | Springer | (2008) | 分担執筆 |
| 熱電変換技術ハンドブック | 高島 敏郎 | エヌ・ティー・エス | (2008) | 共著 |
| 微生物増殖学の現在・未来 | 西尾 尚道 中島田 豊 土屋 英子 | 地人出版 | (2008) | 共著 |
| バイオガスの最新技術 | 中島田 豊 西尾 尚道 | シーエムシー | (2008) | 共著/監修 |
| The Physics of Organic Superconductors and Conductors | 嶋原 浩 | Springer | (2008) | 共著 |
| 微生物増殖学の現在・未来 | 加藤 純一 澤田 俊 | 地人書館 | (2008) | 分担執筆 |
| ATPバイオセンシング素子開発とチップ化 | 黒田 章夫 | 生物工学会 | (2008) | 共著 |
| 耐熱性ポリリン酸キナーゼを用いたATP再生系と物質生産 | 廣田 隆一 | シーエムシー出版 | (2008) | 共著 |
| 解明進む大腸菌ポリリン酸代謝調節機構 | 黒田 章夫 | 化学と生物 | (2008) | 共著 |
| バイオによるアスベスト簡易検出技術 | 黒田 章夫 | 産業と環境 | (2008) | 共著 |
| バイオによるアスベスト簡易検出技術の開発 | 黒田 章夫 | バイオインダストリー協会 | (2008) | 共著 |
| バイオセンサー | 村上 裕二 | オーム社 | (2008) | 著者 |
| 薄膜トランジスタ | 岡田 浩一郎 | コロナ社 | (2008) | 共著 |
| The Physics and Modeling of Mosfets: Surface-Potential Model HiSIM | M. Miura-Mattausch Hj Mattausch | World Scientific Publishing Corporation | (2008) | 著者 |
| 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) |
|-----------------------------------|---------------------------------|----------------------|--------|----------------------------------|
| 自己調整型ウィンナ・ラインアップ増幅器 | マタウシュ・ハンス・ユルゲン 小出 哲士 | EP (DE FR GB IT) 1367594 | | 2008/1/2 |
| 量子ドット電界効果トランジスタ、それを用いたメモリ素子及び光センサ及びそれらの集積回路 | 宮崎 誠一 東 清一郎 マタウシュ・ハンス・ユルゲン 小出 哲士 溝上 政弘 | TW 4072625 | 日本 | 2008/2/1 |
| 量子ドット電界効果トランジスタ、それを用いたメモリ素子及び光センサ及びそれらの集積回路 | 宮崎 誠一 東 清一郎 マタウシュ・ハンス・ユルゲン 小出 哲士 溝上 政弘 | TW 1297862 | 日本 | 2008/6/11 |
| 参照データ認識・学習方法およびパターン認識システム | 宮崎 誠一 東 清一郎 マタウシュ・ハンス・ユルゲン 小出 哲士 溝上 政弘 | TW 1557842 | 日本 | 2008/10/15 |
| 参照データ最適化学習方法とパターン認識システム | 宮崎 誠一 東 清一郎 マタウシュ・ハンス・ユルゲン 小出 哲士 溝上 政弘 | KR 10-0865201 | 日本 | 2008/10/17 |
| 参照データ最適化学習方法とパターン認識システム | 宮崎 誠一 東 清一郎 マタウシュ・ハンス・ユルゲン 小出 哲士 溝上 政弘 | TW 4208958 | 日本 | 2008/10/31 |
| 増幅回路および連想メモリ | マタウシュ・ハンス・ユルゲン 小出 哲士 田中 裕己 アベディン・モハマド・アノワルル | EP (DE F R IT) | | 2008/12/17 |
| 光集積回路装置 | 橫山 新 | 7360024 | USA | 2008/4/15 |
| 光ニュートラルネットワーク | 橫山 新 | 4215812 | 日本 | 2008/11/14 |
| 光ニュートラルネットワーク | 橫山 新 | 4227667 | 日本 | 2008/12/5 |
| 画像分割装置および画像分割方法 | 小出 哲士 マタウシュ・ハンス・ユルゲン 山岡 功佑 | KR 4229980 | 日本 | 2008/12/12 |