

A. 量子物質科学

	論文課題	著者名	誌名、巻、号、(年 頁)	論文種別
A1	Energy gap in the Kondo semiconductor CeRhAs	T. Ekino, T. Takasaki, T. Suemitsu, T. Takabatake, H. Fujii	Physica, B312&313 (2002) pp. 221-223	原著
A2	Synthesis of the binary intermetallic superconductor MgB2 under hydrogen pressure,	Y. Nakamori, S. Orimo, T. Ekino, H. Fujii,	Alloys and Comp, 335 (2002) L21- L24	原著
A3	Superconducting gap in polycrystalline MgB2 studied by electron tunneling	T. Takasaki, T. Ekino, T. Muranaka, H. Fujii, J. Akimitsu	Physica C 378- 381(2002) pp. 229-233	原著
A4	Observation of a pseudogap in alpha-AlmSi by break-junction tunneling spectroscopy	J.Tamura- Okada, T. Ekino, T. Takasaki, Y. Yokoyama, Y. Watanabe, H. Fujii, S. Nanao	Journal of Noncrystalline Solids 312- 314(2002) pp. 513-516	原著
A5	パラメトリック線	遠藤一太	放射線 (応用物 理学会放射線分 科会発行) '281(2002) pp. 105-110	総説
A6	Observation of Stark-Induced Electric Dipole Transition in Atomic Samarium with Optical Double Resonance	I. Endo, T. Takahashi, M. Iinuma	J. Phys. Soc. Japan, 71 (2002) pp. 2137-2141	原著
A7	Raman scattering investigation of RB6 (R=Ca, La, Ce, Pr, Sm, Gd, Dy, and Yb)	N. Ogita, S. Nagai, N. Okamoto, M. Udagawa, F. Iga, M. Sera, J. Akimitsu, S. Kunii	Phys. Rev. B 68(2003) pp.224305-1-9	原著
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A9	Raman Scattering and Infrared Absorption Investigation of Hydrogen Configuration State in Mechanically Milled Graphite under H2 Gas	N. Ogita, K. Yamamoto, C. Hayashi, T. Matsushima, S. Orimo, T. Ichikawa, H. Fujii, M. Udagawa	J. Phys. Soc. Jpn. 73 (2004) pp.553-555	原著

A10	Sum Rules for Exchange and Correlation Energy Functional in the Current-Density Functional Theory	K. Higuchi, N. Fukue, H.Kodama, M. Higuchi	Journal of the Korean Physical Society, 40 (2002) pp. 1060	原著
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A13	Effect of mechanical grinding under Ar and H ₂ atmospheres on structural and hydriding properties in LaNi ₅ .	H. Fujii, H. Munehiro, K. Fujii S. Orimo	J. Alloys and Compounds 330- 332 (2002) 747- 751.	原著
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A17	Hydrogen in mechanically prepared nanostructured h-BN: a critical comparison with that in nanostructured graphite	P. Wang, S. Orimo, T. Matsushima, H. Fujii G. Majer	Appl. Phys. Lett. 80 (2002) 318- 321	原著
A18	Structural observation of energy storage materials prepared by MA.	T. Fukunaga, K. Itoh, S. Orimo H. Fujii	Physica B 311 (2002) 95-101	原著
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A23	A Multi-Nano-Dot Circuit and Structure Using Thermal-Noise Assisted Tunneling for Stochastic Associative Processing	T. Morie T. Matsuura M. Nagata, A. Iwata	J. Nanosci. Nanotech., Vol. 2, No. 3, (2002) pp. 343-349,	原著
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A26	Effect of Density Stratification on the Thermal Convection in a Rotating Spherical Shell	N. Nishikawa, K. Kusano	The Astrophysical Journal, 5811 (2002) pp. 745-	原著
A27	Numerical Study of Three-Dimensional Magnetohydrodynamic Instability in the Solar Coronal Magnetic Arcades	K. Kusano	The Astrophysical Journal, 671 (2002) pp. 532-	原著
A28	Effects of valence fluctuation and pseudogap formation on phonon thermal conductivity of Ce-based compounds with -TiNiSi-type structure	J. Kitagawa, T. Sasakawa, T. Suemitsu, Y. Echizen, T. Takabatake	Phys. Rev. B66 (2002) 224304(1- 6)	原著
A29	Energy band structure of Ru/(Ba,Sr)TiO ₃ /Si capacitor deposited by inductively-coupled plasma-assisted radio-frequency-magnetron plasma	T. Kikkawa, N. Fujiwara, H. Yamada S. Miyazaki	Appl. Phys. Lett. Vol. 81, No. 15 (2002) pp. 2821- 2823	原著
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A35	Improved Performance of Amorphous Silicon Photoreceptor by Using a Thick Surface Layer with a Graded-Band-Gap Structure	A. Teshima S. Miyazaki	Jpn. J. Appl. Phys. Vol. 41, No. 11B (2002) pp. L1294-L1296	原著
A36	Characterization of Ultrathin Gate Dielectrics on Silicon by Photoelectron Spectroscopy	S. Miyazaki	Proc of 2001 MRS Workshop Series - Alternatives on to SiO ₂ as Gate Dielectric for Future Si-Based Microelectronics (2002) pp. (8-1)-	原著
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A38	Simple Nondestructive Extraction of the Vertical Channel-Impurity Profile of Small-Size Metal-Oxide-Semiconductor Field-Effect Transistors	Hans Juergen Mattausch, M. Suetake, D. Kitamaru, M. Miura- Mattausch, S. Kumashiro, N. Shigyo, S.Odanaka, N. Nakayama	Appl. Phys. Letters, Vol. 80, No. 16, (2002) pp. 2994-2996,	原著
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A41	Circuit Simulation Models for Coming MOSFET Generations	M. Miura- Mattausch, H. Ueno, H. J. Mattausch, S. Kumashiro, T. Yamaguchi, K. Yamashita N. Nakayama	IEICE Trans. Fund. Electron., Vol. E85-A, No. 4, , (2002) pp. 740-747	原著

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| A43 | A Practical Small-Signal Equivalent Circuit Model for RF-MOSFETs Valid up to the Cut-Off Frequency | H. Kawano
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A51	Mid-gap state formed inside Mott gap of 1T-TaS ₂ single crystals and metal-insulator transition	T. Isa, T. Fukase, M. Sasaki, M. Koyano, N. Taniguchi, T. Kimura, Y. Isobe, H. Negishi	J. Low Temp. Phys. 127(2002)pp. 63- 79	原著
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A62	First-principles calculation of spontaneous polarization and phase stability in NaNO ₂	F. Ishii, T. Oguchi	J. Phys. Soc. Jpn. 71 (2002) pp. 336-339	原著
A63	Nano-Beam Production by RFQ with Ion-Trap Injector	K.Ito, A.Ogata, H.Okamoto	Int. J. Appl. Electromagnetics and Mechanics 14 (2001/2002) pp. 283-287	原著
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B. 分子機能生命科学

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