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## 既刊研究報告 (Published Papers)

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### A. 量子物質科学

論文題目	著者名	誌名, 巻, 号 (年頁)	論文種別
<b>A1</b> Orbital Magnetic Moment in Superlattices of Transition Metals	Makoto Okutani Takeo Jo	J. Phys. Soc. Jpn., <b>69</b> , 2 (2000) pp. 598–606	原著
<b>A2</b> Strong Linear Dichroism in Mn $L_{2,3}$ Absorption Predicted for Orbital Ordering in $\text{LaMnO}_3$	Hong Bin Huang Tatsuya Shishidou Takeo Jo	J. Phys. Soc. Jpn., <b>69</b> , 8 (2000) pp. 2399–2402	原著
<b>A3</b> Interplay of Fulde-Ferrell-Larkin-Ovchinnikov and Vortex states in two-dimensional Superconductors	Ulf Klein Dierk Rainer Hiroshi Shimahara	J. Low Temp. Phys. (USA), <b>118</b> , 1–2 (2000) pp. 91–104	原著
<b>A4</b> Pseudogap due to antiferromagnetic fluctuations and the phase diagram of the high temperature oxide superconductors	Hiroshi Shimahara Yasumasa Hasegawa Mahito Kohmoto	J. Phys. Soc. Jpn., <b>69</b> , 6 (2000) pp. 1598–1601	原著
<b>A5</b> Coexistence of Singlet and Triplet Attractive Channels in the Pairing Interactions Mediated by Antiferromagnetic Fluctuations	Hiroshi Shimahara	J. Phys. Soc. Jpn., <b>69</b> , 7 (2000) pp. 1966–1969	原著
<b>A6</b> Nodeless d-wave superconductivity in a quasi-one-dimensional organic superconductor under anion order	Hiroshi Shimahara	Phys. Rev. B, <b>61</b> , 22 (2000) pp. R14936–R14939	原著
<b>A7</b> Upper critical fields of quasi-low-dimensional superconductors with coexisting singlet and triplet pairing interactions in parallel magnetic fields	Hiroshi Shimahara	Phys. Rev. B, <b>62</b> , 5 (2000) pp. 3524–3527	原著
<b>A8</b> Superconductivity in a Ferromagnetic Layered Compound	Hiroshi Shimahara Satomi Hata	Phys. Rev. B, <b>62</b> , 21 (2000) pp. 14541–14546	原著
<b>A9</b> Spin and orbital occupation and phase transtion in $\text{V}_2\text{O}_3$	J.-H. Park L.H. Tjeng A. Tanaka J.W. Allen C.T. Chen P. Metcalf J.M. Honig F.M.F. de Groot G.A. Sawatzky	Physical Review B, <b>61</b> , 17 (2000) pp. 11506–11509	原著

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<b>A10</b> Core-level x-ray photoemission on NiO in the impurity limit	S. Altieri L.H. Tjeng A. Tanaka G.A. Sawatzky	Physical Review B, <b>61</b> , 20 (2000) pp. 13403–13409	原著
<b>A11</b> First-principles study of the angle-dependent magnetoresistance oscillation in Sr <sub>2</sub> RuO <sub>4</sub>	F. Ishii T. Oguchi	Physica B, <b>281&amp;282</b> , (2000) pp. 784–785	原著
<b>A12</b> Electronic band structure of the pyrochlore ruthenium oxides A <sub>2</sub> Ru <sub>2</sub> O <sub>7</sub> (A = Bi, Tl and Y)	F. Ishii T. Oguchi	Journal of the Physical Society of Japan, <b>69</b> , (2000) pp. 526–531	原著
<b>A13</b> Bulk and surface electronic structure of CePdX (X=A, Sb) studied by 3d-4f resonance photoemission	T. Iwasaki S. Suga A. Sekiyama K. Matsuda M. Kotsugi K.-S. Am T. Muro S. Ueda T. Matsushita Y. Saitoh T. Nakatani H. Ishii O. Sakai T. Oguchi K. Katoh A. Ochiai	Physical Review B, <b>61</b> , (2000) pp. 4621–4628	原著
<b>A14</b> Theoretical study of c(2×2) Structure in Li/Al(001) System	I. Ohsaki T. Oguchi	Journal of the Physical Society of Japan, <b>69</b> , (2000) pp. 2192-2198	原著
<b>A15</b> Electronic States of Perovskite-type Oxides and Ferroelectricity	H. Miyazawa E. Natori S. Miyashita T. Shimoda F. Ishii T. Oguchi	Japanese Journal of Applied Physics, <b>39</b> , (2000) pp. 5679–5682	原著
<b>A16</b> Band-theoretical prediction of magnetic anisotropy in uranium monochalcogenides	T. Shishidou T. Oguchi	Physical Review B, <b>62</b> , (2000) pp. 11747–11750	原著

論文題目	著者名	誌名, 巻, 号 (年頁)	論文種別
<b>A17</b> Surface structure of Cu(001)-c(2×2)-Mg: A tensor LEED analysis and a first-principles calculation	M.-S. Chen D. Terasaki S. Mizuno H. Tochiyama I. Ohsaki T. Oguchi	Surface Science, <b>470</b> , (2000) pp. 53–63	原著
<b>A18</b> Ultrahigh-resolution photoemission spectroscopy of Ni Borocarbides: Direct observation of the superconducting gap and a charge in gap anisotropy by impurity	T. Yokoya T. Kiss T. Watanabe S. Shin M. Nohara H. Takagi T. Oguchi	Physical Review Letters, <b>85</b> , (2000) pp. 4952–4955	原著
<b>A19</b> Transport Properties in Phase IV of $Ce_xLa_{1-x}B_6$	S. Kobayashi M. Sera M. Hiroi N. Kobayashi S. Kunii	J. Phys. Soc. Jpn., <b>69</b> , 4 (2000) pp. 926–936	原著
<b>A20</b> NMR Study of $NdB_6$	S. Tsuji T. Endo M. Sera K. Kojima M. Kawakami S. Kunii	J. Phys. Soc. Jpn., <b>69</b> , 8 (2000) pp. 1974–1977	原著
<b>A21</b> Elastic Constants of $CeB_6$	M. Sera	J. Phys. Soc. Jpn., <b>69</b> , 8 (2000) pp. 2299–2304	原著
<b>A22</b> Study on $CuGe_{0.985}Si_{0.015}O_3$	M. Hiroi M. Sera N. Kobayashi J. Akimitsu	Physica B, <b>281-282</b> , (2000) pp. 669–670	原著
<b>A23</b> Transport properties in phase IV of $Ce_xLa_{1-x}B_6$	S. Kobayashi M. Sera M. Hiroi N. Kobayashi S. Kunii	Physica B, <b>281-282</b> , (2000) pp. 557–558	原著
<b>A24</b> Effect of Pressure on the antiferro-quadrupolar interaction in $eB_6$	Y. Uwatoko M. Kosaka M. Sera S. Kunii	Physica B, <b>281-282</b> , (2000) pp. 555–556	原著

論文題目	著者名	誌名, 巻, 号 (年頁)	論文種別
<b>A25</b> Magnetic phase diagram of CsCuCl <sub>3</sub> studied by specific heat measurements	M. Hiroi M. Sera H. Nojiri N. Kobayashi M. Motokawa H. Tanaka	Physica B, <b>284-288</b> , (2000) pp. 1605-1606	原著
<b>A26</b> 軌道自由度のもたらす奇妙な相転移 - CeB <sub>6</sub> を例として -	世良正文	固体物理, <b>35</b> , 4 (2000) pp. 229-242	総説
<b>A27</b> Impurity Scattering in 3d Transition Metal Intercalation Compound M <sub>x</sub> TiS <sub>2</sub>	M. Inoue S. Kakita H. Negishi M. Sasaki	Mol. Cryst. Liq. Cryst. , <b>341</b> , (2000) pp. 57-62	原著
<b>A28</b> EXAFS and XANES Studies on 3d Transition Metal Intercalation Compound M <sub>x</sub> TiS <sub>2</sub>	H. Negishi S. Negishi M. Sasaki M. Inoue S. Ohara	Mol. Cryst. Liq. Cryst. , <b>341</b> , (2000) pp. 63-68	原著
<b>A29</b> MonteCarlo Simulation of Intercalated Atomic Distributios in Layered Dichalcogenide	S. Negishi H. Negishi M. Sasaki M. Inoue	Mol. Cryst. Liq. Cryst., <b>341</b> , (2000) pp. 69-74	原著
<b>A30</b> A New Type of Bulk Quantum Hall Effect in Bi <sub>2-x</sub> Sn <sub>x</sub> Te <sub>3</sub> Crystals	M. Inoue N. Miyajima M. Sasaki H. Negishi S. Negishi H. Kadomatsu V.A. Kulbachinskii	Physica B, <b>284-288</b> , (2000) pp. 1718-1719	原著
<b>A31</b> Nonlinear Conduction of Charge-Density-Wave in the Quantum Hall Regime of η-Mo <sub>4</sub> O <sub>11</sub>	M. Sasaki M. Inoue N. Miyajima Y. Mishima H. Negishi	Physica B, <b>284-288</b> , (2000) pp. 1720-1721	原著
<b>A32</b> Carrier Generation/Recombination Processes and Polaron Effect in Perovskite Manganite Thin films	G.R. Wu M. Inoue M. Sasaki H. Negishi G.C. Xiong	Physica B, <b>284-288</b> , (2000) pp. 1912-1913	原著

論文題目	著者名	誌名, 巻, 号 (年頁)	論文種別
<b>A33</b> Anisotropic Magnetic Properties of Intercalation Compound $Mn_{1/4}TiS_2$	K. Takase Y. Kubota Y. Takano H. Negishi M. Sasaki M. Inoue K. Sekizawa	Physica B, <b>284–288</b> , (2000) pp. 1517–1518	原著
<b>A34</b> Polarized Optical Reflectance and Electronic Structure of the Charge-Density-Wave Materials <i>eta</i> - and <i>gamma</i> - $Mo_4O_{11}$	Z. Zhu S. Chowdhary V.C. Long J.L. Musfeldt H.-J. Koo M.-H. Whangbo H. Negishi M. Inoue J. Sarro Z. Fisk	Phys. Rev. B, <b>61</b> , (2000) pp. 10057–10065	原著
<b>A35</b> Phonon Screening in High-Temperature Superconductors	C.C. Homes A.W. McConnell D.A. Bonn R. Liang W.N. Hardy M. Inoue H. Negishi P. Fournier R.L. Greene	Phys. Rev. Lett., <b>84</b> , (2000) pp. 5391–5394	原著
<b>A36</b> Simulation of Atomic Distributios in of Guest Atoms in Layered 1T- $TiS_2$ Crystal Using Monte Calro Method and Its Effect on the Magnetic Properties and Local Structures	S. Negishi H. Negishi M. Sasaki M. Inoue	J. Phys. Soc. Japan , <b>69</b> , (2000) pp. 2514–2530	原著
<b>A37</b> Magnetism of $CePt_2Sn_2$	G.M. Kalvius K. Kojima M. Larkin G.M. Luke J. Merrin B. Nachumi Y.J. Uemura A. Bruckel K. Nuemaier K. Andres C. Paulsen G. Nakamoto T. Takabatake	Physica B, <b>281&amp;282</b> , (2000) pp. 66–68	原著

論文題目	著者名	誌名, 卷, 号 (年頁)	論文種別
<b>A38</b> Magnetism in single-crystalline CePtSn	H. Nakotte S. Chang M.S. Torikachvili H.N. Bordallo A.H. Lacerda T. Takabatake	Physica B, <b>281&amp;282</b> , (2000) pp. 103–104	原著
<b>A39</b> muSR study of anomalous phase transition in UCu <sub>2</sub> Sn	W. Higemoto A. Koda R. Kadono Y. Echizen T. Takabatake	Physica B, <b>281&amp;282</b> , (2000) pp. 234–235	原著
<b>A40</b> Temperature dependence of metamagnetic transition in YbB <sub>12</sub>	S. Kawasaki N. Takamoto Y. Narumi K. Kindo S. Hiura F. Iga T. Takabatake	Physica B, <b>281&amp;282</b> , (2000) pp. 269–270	原著
<b>A41</b> High-field magnetization and magnetoresistance of single crystal Yb <sub>1-x</sub> Lu <sub>x</sub> B <sub>12</sub> (x 1/4)	S. Hiura F. Iga N. Takamoto K. Kindo I. Oguro T. Takabatake	Physica B, <b>281&amp;282</b> , (2000) pp. 271–273	原著
<b>A42</b> <sup>171</sup> Yb NMR in the Kondo semiconductor YbB <sub>12</sub>	K. Ikushima Y. Kato M. Takigawa F. Iga S. Hiura T. Takabatake	Physica B, <b>281&amp;282</b> , (2000) pp. 274–275	原著
<b>A43</b> Energy gap evolution in the optical spectra of Kondo alloy system Yb <sub>1-x</sub> Lu <sub>x</sub> B <sub>12</sub>	H. Okamura T. Inaoka S. Kimura T. Nanba F. Iga S. Hiura J. Klijn T. Takabatake	Physica B, <b>281&amp;282</b> , (2000) pp. 280–281	原著

論文題目	著者名	誌名, 巻, 号 (年頁)	論文種別
<b>A44</b> Photoemission study of Kondo insulator YbB <sub>12</sub>	T. Susaki Y. Takeda M. Arita A. Fujimori K. Shimada H. Namatame M. Taniguchi S. Hiura F. Iga T. Takabatake	Physica B, <b>281&amp;282</b> , (2000) pp. 282–283	原著
<b>A45</b> High-resolution temperature-dependent photoemission study of Kondo semimetal CeNiSn	Y. Takeda M. Arita K. Shimada H. Sato H. Namatame M. Taniguchi Y. Echizen F. Iga T. Takabatake	Physica B, <b>281&amp;282</b> , (2000) pp. 286–287	原著
<b>A46</b> Pseudogap of magnetic excitation in Kondo semiconductor CeNiSn	H. Kadowaki G. Nakamoto T. Takabatake	Physica B, <b>281&amp;282</b> , (2000) pp. 288–290	原著
<b>A47</b> High-field susceptibility of Kondo semimetals CeNiSn and CeRhSb	T. Yoshino Y. Echizen T. Takabatake M. Sera	Physica B, <b>281&amp;282</b> , (2000) pp. 291–293	原著
<b>A48</b> Thermoelectric power of CeNi <sub>1-x</sub> T <sub>x</sub> Sn (T=Co,Cu,Pt) and Ce <sub>1-y</sub> La <sub>y</sub> NiSn (x,y=0.01 and 0.05)	Y. Bando Y. Echizen T. Takabatake	Physica B, <b>281&amp;282</b> , (2000) pp. 294–295	原著
<b>A49</b> Strong depression of the magnetic ordering temperature in CeSb by Ni incorporation	M.H. Jung D.T. Adroja F. Iga T. Suzuki T. Fujita T. Takabatake	Physica B, <b>281&amp;282</b> , (2000) pp. 443–444	原著

論文題目	著者名	誌名, 巻, 号 (年頁)	論文種別
<b>A50</b> High-resolution temperature-dependent photoemission study of metal-insulator transition of $Y_{1-x}Ca_xTiO_3$	M. Arita Y. Takeda Y. Okamura H. Sato K. Shimada H. Namatame M. Taniguchi M. Tsubota F. Iga T. Takabatake	Physica B, <b>281&amp;282</b> , (2000) pp. 617–618	原著
<b>A51</b> Low-field anisotropy in Mott-insulating ferromagnet $Y_{1-x}Ca_xTiO_3$ ( $x = 0.1$ )	M. Tsubota F. Iga T. Takabatake N. Kikugawa T. Suzuki I. Oguro H. Kawanaka H. Bando	Physica B, <b>281&amp;282</b> , (2000) pp. 622–624	原著
<b>A52</b> Transport and thermodynamic properties of CeBiPt	T. Pietrus T. Miokovic A. Schroder H. von Lohneysen T. Yoshino K. Takagi K. Umeo T. Takabatake	Physica B, <b>281&amp;282</b> , (2000) pp. 745–746	原著
<b>A53</b> 希土類近藤半導体の物性	高畠敏郎 伊賀文俊	まてりあ, <b>39</b> , 1 (2000) pp. 38–45	総説
<b>A54</b> Anisotropic Transport and Magnetic Properties and Magnetic-Polaron-like Behavior in $CeTe_{2-x}$	Myung-Hwa Jung Byung-Hoon Min Yong-Seung Kwon Isamu Oguro Fumitoshi Iga Toshizo Fujita Toshikazu Ekino Tadao Kasuya Toshiro Takabatake	Journal of the Physical Society of Japan, <b>69</b> , 3 (2000) pp. 937–944	原著
<b>A55</b> Break-junction experiments on the Kondo semiconductor CeNiSn: tunnelling versus direct conductance	Yu.G. Naidyuk K. Gloos T. Takabatake	Fizika Nizkikh Temperatur, <b>26</b> , 7 (2000) pp. 687–693	原著



論文題目	著者名	誌名, 巻, 号 (年頁)	論文種別
<b>A56</b> Nuclear magnetic resonance and nuclear quadrupole resonance studies of $^{61}\text{Ni}$ in Heavy fermion compounds $\text{Ce}_7\text{Ni}_3$	S. Mishina Y. Iwamoto Y. Kohori K. Ueda T. Kohara M.-H. Jung T. Takabatake	Journal of Applied Physics, <b>87</b> , 9 (2000) pp. 5134–5136	原著
<b>A57</b> The onset of magnetism in $\text{CeNi}_{1-x}\text{T}_x\text{Sn}$ (T=Cu,Pt)	G.M. Kalvius M. Kratzer G. Grosse D.R. Noakes R. Wappling H. von Lohneysen T. Takabatake Y. Echizen	Physica B, <b>289-290</b> , (2000) pp. 256–260	原著
<b>A58</b> Magnetic ordering in single crystal $\text{CeNi}_{0.82}\text{Cu}_{0.18}\text{Sn}$	Y. Echizen K. Umeo S. Hamashima T. Fujita T. Takabatake N. Kobayashi I. Oguro	Solid State Communications, <b>115</b> , (2000) pp. 587–591	原著
<b>A59</b> Low-temperature thermodynamic properties of $\text{CeNi}_{1-x}\text{Cu}_x\text{Sn}$	R. Voller T. Miokovic A. Schroder H. von Lohneysen G.M. Kalvius Y. Echizen T. Takabatake	Physica B, <b>291</b> , (2000) pp. 307–309	原著
<b>A60</b> Antiferromagnetic transitions in the Kondo lattice system $\text{Ce}_2\text{Ni}_3\text{Ge}_5$	Z. Hossain S. Hamashima K. Umeo T. Takabatake C. Geibel F. Steglich	Physical Review B, <b>62</b> , 13 (2000) pp. 8950–8953	原著
<b>A61</b> Incommensurate Magnetic Structure of the Heavy fermion Antiferromagnet $\text{Ce}_7\text{Ni}_3$	Hiroaki Kadowaki Kiyochiro Motoya Toru Kawasaki Toyotaka Osakabe Hajime Okumura Kazuhisa Kakurai Kazunori Umeo Toshiro Takabatake	Journal of the Physical Society of Japan, <b>69</b> , 7 (2000) pp. 2269–2279	原著

論文題目	著者名	誌名, 卷, 号 (年頁)	論文種別
<b>A62</b> Competing interactions and anisotropic magnetoresistance in layered CeTe <sub>2</sub>	M.H. Jung K. Umeo T. Fujita T. Takabatake	Physical Review B, <b>62</b> , 17 (2000) pp. 11609–11613	原著
<b>A63</b> Neutron scattering and thermal studies of the Ni-incorporated CeSbNi <sub>x</sub> system	D.T. Adroja J.G.M. Armitage P.C. Riedi M.H. Jung Z. Tun T. Takabatake	Physical Review B, <b>62</b> , 18 (2000) pp. 12181–12189	原著
<b>A64</b> Charge density wave and excitonic magnetic polarons in CeTe <sub>2</sub>	T. Kasuya M.H. Jung T. Takabatake	Journal of Magnetism and Magnetic Materials, <b>220</b> , (2000) pp. 235–258	原著
<b>A65</b> Optical conductivity of Yb <sub>1-x</sub> Lu <sub>x</sub> B <sub>12</sub> : Energy gap and mid-infrared peak in diluted Kondo semiconductors	H. Okamura M. Matsunai T. Inaoka T. Fujita T. Nanba S. Kimura F. Iga S. Hiura J. Klijn T. Takabatake	Physical Review B, <b>62</b> , 20 (2000) pp. R13265–R13269	原著
<b>A66</b> Thermal-transport properties of CeNiSn	S. Paschen B. Wand G. Sparn F. Steglich Y. Echizen T. Takabatake	Physical Review B, <b>62</b> , 22 (2000) pp. 14912–14919	原著
<b>A67</b> Suppression of p-f mixing and formation of a superzone gap in CeSbNi <sub>x</sub>	M.H. Jung D.T. Adroja N. Kikugawa T. Takabatake I. Oguro S. Kawasaki K. Kindo	Physical Review B, <b>62</b> , 21 (2000) pp. 13860–13863	原著

論文題目	著者名	誌名, 巻, 号 (年頁)	論文種別
<b>A68</b> Large thermoelectric power in several metallic compounds of cerium and uranium	Y. Bando T. Suemitsu K. Takagi H. Tokushima Y. Echizen N. Kobayashi K. Katoh K. Umeo Y. Maeda T. Takabatake	Journal of Alloys and Compounds, <b>313</b> , (2000) pp. 1-6	原著
<b>A69</b> Crystal Structure of ternary CeRhX compounds, X=As,Sb,Bi	P. Salamakha O. Sologub T. Suemitsu T. Takabatake	Journal of Alloys and Compounds, <b>313</b> , (2000) pp. L5-L9	原著
<b>A70</b> Tunneling spectroscopy of RTe <sub>2</sub> (R=La,Ce) and possible coexistence between charge-density waves and magnetic order	M.H. Jung T. Ekino Y.S. Kwon T. Takabatake	Physical Review B, <b>63</b> , (2000) pp. 035101-035105	原著
<b>A71</b> Electronic structure of the strongly hybridized ferromagnet CeFe <sub>2</sub>	T. Konishi K. Morikawa K. Kobayashi T. Mizokawa A. Fujimori K. Mamiya F. Iga H. Kawanaka Y. Nishihara A. Delin O. Eriksson	Physical Review B, <b>62</b> , 21 (2000) pp. 14304-14312	原著
<b>A72</b> Role of two-dimensional electronic state in superconductivity in La <sub>2-x</sub> Sr <sub>x</sub> CuO <sub>4</sub>	F. Nakamura T. Goko J. Hori Y. Uno N. Kikugawa T. Fujita	Physical Review B, <b>61</b> , 1 (2000) pp. 107-110	原著
<b>A73</b> Enhancement of Conduction along the c Axis in La <sub>2-x</sub> Sr <sub>x</sub> CuO <sub>4</sub> due to the Impurity Scattering	N. Kikugawa J. Hori F. Nakamura T. Fujita	Journal of Physical Society of Japan, <b>69</b> , 4 (2000) pp. 1177-1180	原著

論 文 題 目	著 者 名	誌名, 卷, 号 (年頁)	論文種別
<b>A74</b> Superconductivity and its Phase Diagram of LSCO under High Pressure	T. Fujita J. Hori T. Goko N. Kikugawa S. Iwata	RIKEN Review, 27 (2000) pp. 75–76	総説
<b>A75</b> Collapse of AF magnetic order in UNiAl under pressure	O. Syshchenko T. Fujita K. Prokes V. Sechovsky A.A. Menovsky	Physica B, <b>281-282</b> , 1-4 (2000) pp. 208–209	原著
<b>A76</b> Magnetic specific heat of a URhGe single crystal	I.H. Hagsmusa K. Prokes T. Takabatake T. Fujita J.C.P. Klasse E.H. Brck V. Sechovsky F.R. de Boer	Physica B, <b>281-282</b> , 1-4 (2000) pp. 223–225	原著
<b>A77</b> Elastic Quantum Oscillation of LuB <sub>12</sub>	N. Okuda T. Suzuki I. Ishii S. Hiura F. Iga T. Takabatake T. Fujita H. Kadomatsu H. Harima	Physica B, <b>281-282</b> , 1-4 (2000) pp. 756–757	原著
<b>A78</b> Effect of Orthorhombic Distortion on Superconductivity in La <sub>2-x</sub> Sr <sub>x</sub> CuO <sub>4</sub>	T. Goko F. Nakamura J. Hori T. Fujita	Physica B, <b>284-288</b> , (2000) pp. 1053–1054	原著
<b>A79</b> Jahn-Teller Instability in a Ternary Uranium Compound	T. Suzuki I. Ishii N. Okuda K. Katoh T. Takabatake T. Fujita A. Tamaki	Physica B, <b>284-288</b> , (2000) pp. 1301–1302	原著

論文題目	著者名	誌名, 巻, 号 (年頁)	論文種別
<b>A80</b> Pressure effects on an antiferromagnetism in UNiAl	O. Mikulina J. Kamarad A. Lacerda O. Syshchenko T. Fujita K. Prokes V. Sechovsky H. Nakotte W. Beyerman A.A. Menovsky	Journal of Applied Physics, <b>87</b> , 9 (2000) pp. 5151-5154	原著
<b>A81</b> Transport properties of $\text{Nd}_{2-y}\text{Ce}_y\text{CuO}_4$ with $y = 0.14$	T. Fujita N. Kikugawa M. Ito K. Yamane Y. Matsumoto	Physica C, <b>341-348</b> , (2000) pp. 1937-1938	原著
<b>A82</b> Superconductivity in tetragonal lattice of underdoped $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$	T. Fujita J. Hori T. Goko N. Kikugawa S. Iwata	Physica C, <b>341-348</b> , (2000) pp. 1939-1940	原著
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論文題目	著者名	誌名, 卷, 号 (年頁)	論文種別
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論文題目	著者名	誌名, 巻, 号 (年頁)	論文種別
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論文題目	著者名	誌名, 巻, 号 (年頁)	論文種別
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論 文 題 目	著 者 名	誌名, 卷, 号 (年頁)	論文種別
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論文題目	著者名	誌名, 巻, 号 (年頁)	論文種別
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論文題目	著者名	誌名, 巻, 号 (年頁)	論文種別
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論文題目	著者名	誌名, 巻, 号 (年頁)	論文種別
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論文題目	著者名	誌名, 巻, 号 (年頁)	論文種別
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論文題目	著者名	誌名, 卷, 号 (年頁)	論文種別
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<b>A173</b> Low-Temperature Selective Deposition of Silicon by Time-Modulation Exposure of Disilane and Formation of Silicon Nanowires	S. Yokoyama K. Ohba K. Kawamura T. Kidera A. Nakajima	Extend. Abst. of the Int. Conf. on Solid State Devices and Materials (SSDM'2000), (2000) pp. 202–203	原著
<b>A174</b> Influence of Organic Contaminant on Breakdown Characteristics of MOS Capacitors with Thin SiO <sub>2</sub>	T. Yoshino S. Yokoyama T. Suzuki T. Fujii	Extend. Abst. of the Int. Conf. on Solid State Devices and Materials (SSDM'2000), (2000) pp. 552–553	原著



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<b>A175</b> Fabrication of Novel Double-Barrier MOS Transistors with Poly-Si Dots	T. Hatano Y. Ito A. Nakajima S. Yokoyama	Proc. of 2000 Int. Symp. on Formation, Physics and device Application of Quantum Dot Structures (Sapporo), (2000) pp. 10-10	原著
<b>A176</b> Improvement in Antimony-Doped Ultra Shallow Junction Sheet Resistance by Dopant Pileup Reduction at the SiO <sub>2</sub> /Si Interface	K. Shibahara K. Egusa K. Kamesaki H. Furumoto	Jpn. J. Appl. Phys., <b>39</b> , 4B (2000) pp. 2194-2197	原著
<b>A177</b> Antimony Clustering due to High Dose Implantation	K. Shibahara D. Onimatsu	Mat. Res. Soc. Symp. Proc., <b>610</b> , (2000) pp. B8.5.1-B8.5.6	原著
<b>A178</b> Comparative Studies of PFC alternative Gas Plasmas for Contact Hole Etch	S. Nakamura M. Itano H. Aoyama K. Shibahara S. Yokoyama M. Hirose	Proc. 22th Symp. on Dry Process, (2000) pp. 199-203	原著

B. 分子生命機能科学

論 文 題 目	著 者 名	誌名, 卷, 号 (年頁)	論文種別
<b>B1</b> Algal-lytic activities encoded by <i>Chlorella</i> virus CVK2	Ichiro Sugimoto Shingo Hiramatsu Daito Murakami Makoto Fujie Shoji Usami Takashi Yamada	Virology, <b>277</b> , (2000) pp. 119–126	原著
<b>B2</b> Two catalytic domains of <i>Chlorella</i> virus CVK2 chitinase	Shingo Hiramatsu Makoto Fujie Shoji Usami Kazuo Sakai Takashi Yamada	J. Biosci. Bioeng., <b>89</b> , (2000) pp. 252–257	原著
<b>B3</b> Mapping of cDNA clones on the contig of <i>Chlorella</i> chromosome I	Shinya Maki Yutaka Ohta Yoshiteru Noutoshi Makoto Fujie Shoji Usami Takashi Yamada	J. Biosci. Bioeng., <b>90</b> , (2000) pp. 431–436	原著
<b>B4</b> The involvement of a cysteine proteinase in the nodule development in <i>Astragalus sinicus</i> infected with <i>Mesorhizobium huakuii</i> subsp. <i>rengei</i>	Yuki Naito Makoto Fujie Shoji Usami Yoshikatsu Murooka Takashi Yamada	Plant Physiol, <b>124</b> , (2000) pp. 1087–1095	原著
<b>B5</b> Molecular cloning and characterization of two cDNAs encoding asparagine synthetase from <i>Astragalus sinicus</i> nodules	Kouji Kasai Makoto Fujie Yasuaki Nakanishi Yoshikatsu Murooka Shoji Usami Takashi Yamada	J. Biosci. Bioeng., <b>89</b> , (2000) pp. 559–563	原著
<b>B6</b> Origin of fan palm ( <i>Livistona chinensis</i> R. Br. var. <i>subglobosa</i> Becc.) in Aoshima, Japan	Naoto Yoshida Rika Nobe Takashi Yamada Kihachiro Ogawa Yoshikatsu Murooka	J. Biosci. Bioeng., <b>90</b> , (2000) pp. 447–452	原著

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<b>B7</b> Characterization of immediate early genes expressed in chlorovirus infection	Takeru Kawasaki Kensho Nishida Makoto Fujie Shoji Usami Takashi Yamada	Nucl. Acid. Symp. Ser., <b>44</b> , (2000) pp. 161-162	原著
<b>B8</b> Analysis of double-strand-break repair by <i>Chlorella</i> retrotransposon Zepp	Yoshitaka Yamamoto Yoshiteru Noutoshi Makoto Fujie Shoji Usami Takashi Yamada	Nucl. Acid. Symp. Ser., <b>44</b> , (2000) pp. 101-102	原著
<b>B9</b> T-cell epitope analysis of Mag 3, an important allergen from the house dust mite, <i>Dermatophagoides farinae</i>	Seiji Kawamoto Kohei Ohno Airo Tategaki Tsunehiro Aki Seiko Shigeta Toshihiko Jyo Osamu Suzuki Kazuhisa Ono	Immunology Letters, <b>72</b> , (2000) pp. 53-60	原著
<b>B10</b> Newly described house dust mite allergens	Airo Tategaki Seiji Kawamoto Tsunehiro Aki Toshihiko Jyo Osamu Suzuki Seiko Shigeta Kazuhisa Ono	Allergy and Clinical Immunology International (Suppl.), <b>1</b> , (2000) pp. 74-76	原著
<b>B11</b> Effect of mite antigens on antigen presenting cells/macrophages in mice	Junko Noguchi Etsushi Kuroda Kazuhisa Ono Uki Yamashita	Journal of UOEH, <b>22</b> , (2000) pp. 205-218	原著
<b>B12</b> Effect of 14-3-3 protein induction on cell proliferation of A549 human lung adenocarcinoma	Seiji Kawamoto Naoko Iemura Yuichi Inoue Yoshinori Katakura Sanetaka Shirahata	Cytotechnology, <b>33</b> , (2000) pp. 253-257	原著
<b>B13</b> Properties of ras-amplified recombinant BHK-21 cells in protein-free culture	Yuichi Inoue Seiji Kawamoto Masahiro Shoji Shuichi Hashizume Kiichiro Teruya Yoshinori Katakura Sanetaka Shirahata	Cytotechnology, <b>33</b> , (2000) pp. 21-26	原著

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<b>B14</b> Purification and characterization of sea squirt -N-acetylgalactosaminidase	Seiko Shigeta Osamu Suzuki Tsunehiro Aki Seiji Kawamoto Kazuhisa Ono	Journal of Bioscience and Bio-engineering, <b>89</b> , (2000) pp. 84-86	原著
<b>B15</b> Development of highly sensitive Ru-chelate based ECL immunoassay 2: Electrochemical and immunochemical studies on homogeneous and heterogeneous ECL excitation	Yuzaburo Namba Takashi Sawada Osamu Suzuki	Analytical Sciences, <b>16</b> , (2000) pp. 757-763	原著
<b>B16</b> Purification of a novel allergen (SAP-1), which induces allergic asthma, from the red soft coral ( <i>Alcyonium gracillimum</i> )	Yoshiko Takeda Hiroko Kawakami Seiko Shigeta Hisao Kamiya Reiko Onizuka Kimiko Tanabe Yuko Kato	Allergology International , <b>49</b> , (2000) pp. 213-218	原著
<b>B17</b> 哺乳類の $\Delta^6$ 脂肪酸不飽和化酵素 : その遺伝子クローニングと生理学的意義	秋庸裕 小埜和久 鈴木修	日本油化学会誌, <b>49</b> , (2000) pp. 3-10	総説
<b>B18</b> 脂肪酸不飽和化系と融合酵素	秋庸裕 小埜和久 鈴木修	化学と生物, <b>38</b> , (2000) pp. 520-527	総説
<b>B19</b> 電気化学発光免疫測定法 (ECLIA)	難波祐三郎 鈴木修	生物試料分析, <b>23</b> , (2000) pp. 83-92	総説
<b>B20</b> Direct conversion of cellulose to methane by anaerobic fungus <i>Neocallimastix frontalis</i> and defined methanogens	Yutaka Nakashimada Karthikeyan Srinivasan Makoto Murakami Naomichi Nishio	Biotechnology Letters, <b>22</b> , 3 (2000) pp. 223-227	原著
<b>B21</b> Production of vitamin B12 in an up-flow anaerobic filter continuous reactor using <i>Acetobacterium</i> sp.	Alberto Emilio Bainotti Belen Estebanez Hisashi Nagadomi Naomichi Nishio	Biotechnology Letters, <b>22</b> , 6 (2000) pp. 503-508	原著
<b>B22</b> Growth kinetics of <i>Acetobacterium</i> sp. on methanol-formate in continuous culture	Alberto Emilio Bainotti Naomichi Nishio	Journal of Applied Microbiology, <b>88</b> , 6 (2000) pp. 191-201	原著
<b>B23</b> Enhanced 2, 3-butanediol production by addition of acetic acid in <i>Paenibacillus polymyxa</i>	Yutaka Nakashimada Bambang Marwoto Takashi Kashiwamura Toshihide Kakizono Naomichi Nishio	Journal of Bioscience and Bio-engineering, <b>90</b> , 6 (2000) pp. 661-664	原著

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B24 可視光および近赤外光による米飯の官能値評価	三上隆司 柏村崇 土屋義信 西尾尚道	食品科学工学, 47, 10 (2000) pp. 787-792	原著
B25 嫌気性微生物群による醤油粕の分解	永井宏幸 古林万木夫 辻安信 高田一也 中島田豊 柿菌俊英 西尾尚道	日本醤油研究所雑誌, 26, 6 (2000) pp. 295-300	原著
B26 Development of denitrification system using immobilized chemoautotrophic bacterium, <i>Thiobacillus denitrificans</i>	Atomu Domen Yutaka Nakashimada Toshihide Kakizono Naomichi Nishio Toru Oishi Ryoji Takagi	Proceedings of 5th International Symposium on Environmental Biotechnology, (2000) P1-11	原著
B27 Methane fermentation of coastal mud sediment	Kenji Takeno Yutaka Nakashimada Toshihide Kakizono Naomichi Nishio	Proceedings of 5th International Symposium on Environmental Biotechnology, (2000) P5-5	原著
B28 Degradation of excess activated sludge by thermophilic bacteria	Toshihide Kakizono Yoshifumi Tominaga Yutaka Nakashimada Naomichi Nishio	Proceedings of 5th International Symposium on Environmental Biotechnology, (2000) P5-2	原著
B29 Methane fermentation of cellulose powder, sea sediment mud and Soybean solid waste	Naomichi Nishio Yutaka Nakashimada Toshihide Kakizono	Proceedings of 5th International Symposium on Environmental Biotechnology, (2000) O6-3	原著
B30 Involvement of the extracellular protease in the algicidal activity of the marine bacterium <i>Pseudoalteromonas</i> sp. strain A28	Sun-Og Lee Junichi Kato Noboru Takiguchi Akio Kuroda Tsukasa Ikeda Atsushi Mitsutani Hisao Ohtake	Appl. Environ. Microbiol., 66, (2000) pp. 4334-4339	原著

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<b>B31</b> Mutational analysis of the multiple hao gene coding for hydroxylamine oxidoreductase in <i>Nitrosomonas</i> sp. strain ENI-11	Akira Yamagata Ryuichi Hirota Junichi Kato Akio Kuroda Tsukasa Ikeda Noboru Takiguchi Hisao Ohtake	Biosci. Biotechnol. Biochem., <b>64</b> , (2000) pp. 1754–1757	原著
<b>B32</b> Physical map location of the multi-copy genes coding for ammonia monooxygenase and hydroxylamine oxidoreductase in the ammonia-oxidizing bacterium <i>Nitrosomonas</i> sp. strain ENI-11	Ryuichi Hirota Akira Yamagata Junichi Kato Akio Kuroda Tsukasa Ikeda Noboru Takiguchi Hisao Ohtake	J. Bacteriol., <b>182</b> , (2000) pp. 825–828	原著
<b>B33</b> Identification and characterization of two chemotactic transducers for inorganic phosphate in <i>Pseudomonas aeruginosa</i>	Hong Wu Junichi Kato Akio Kuroda Tsukasa Ikeda Noboru Takiguchi Hisao Ohtake	J. Bacteriol., <b>182</b> , (2000) pp. 3400–3404	原著
<b>B34</b> Evaluation of phosphate removal from water by immobilized phosphate-binding protein PstS	Akio Kuroda Hirokazu Kunimoto Tomohiro Morohoshi Tsukasa Ikeda Junichi Kato Noboru Takiguchi Akiko Miya Hisao Ohtake	J. Biosci. Bioeng., <b>90</b> , (2000) pp. 688–690	原著
<b>B35</b> Development of rapid toxicity assays by using motile bacteria labeled with the green fluorescent protein (GFP) as a biosensor	Junichi Kato Takeshi Fukumura Akio Kuroda Tsukasa Ikeda Noboru Takiguchi Hisao Ohtake	Proceedings of 5th International Symposium on Environmental Biotechnology, (2000) O1–5	原著
<b>B36</b> Release of polyphosphate granules from activated sludge by heat treatment and its application for phosphorus reuse and recycling	Akio Kuroda Noboru Takiguchi Tsukasa Ikeda Junichi Kato Hisao Ohtake	Proceedings of 5th International Symposium on Environmental Biotechnology, (2000) O13–2	原著

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<b>B37</b> Quorum sensing in gram-negative bacteria using synthetic autoinducers and their analogues	Tsukasa Ikeda Koshiro Kajiyama Toshikazu Kita Kazuko Kunita Noboru Takiguchi Akio Kuroda Junichi Kato Hisao Ohtake	Proceedings of 5th International Symposium on Environmental Biotechnology, (2000) O17-2	原著
<b>B38</b> Polyphosphate overplus in <i>Klebsiella aerogenes</i>	Tomohiro Morohoshi Akio Kuroda Tsukasa Ikeda Junichi Kato Noboru Takiguchi Hisao Ohtake	Proceedings of 5th International Symposium on Environmental Biotechnology, (2000) P1-3	原著
<b>B39</b> Purification and characterization of polyphosphate-dependent glucokinase of <i>Micrococcus phosphovorans</i>	Shotaro Tanaka Akio Kuroda Tsukasa Ikeda Junichi Kato Noboru Takiguchi Kazunori Nakamura Hisao Ohtake	Proceedings of 5th International Symposium on Environmental Biotechnology, (2000) P1-4	原著
<b>B40</b> Molecular analysis of the nitrification genes in <i>Nitrosomonas</i> sp. strain ENI-11	Ryuichi Hirota Akira Yamagata Junichi Kato Akio Kuroda Tsukasa Ikeda Noboru Takiguchi Hisao Ohtake	Proceedings of 5th International Symposium on Environmental Biotechnology, (2000) P1-6	原著
<b>B41</b> Purification and characterization of an algicidal extracellular protease of the marine bacterium <i>Pseudoalteromonas</i> sp. strain A28	Sun-Og Lee Junichi Kato Akio Kuroda Tsukasa Ikeda Noboru Takiguchi Hisao Ohtake	Proceedings of 5th International Symposium on Environmental Biotechnology, (2000) P12-6	原著
<b>B42</b> Bacterial sensing system as a potential tool for rapid toxicity assays	Hisao Ohtake Takeshi Fukumura Junichi Kato Akio Kuroda Tsukasa Ikeda Noboru Takiguchi	Core Research for Environmental Science and Technology International Aquatic Environment Workshop, Japan Science and Technology Corporation, (2000) pp. 103-106	原著

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<b>B43</b> Identification of two polyketide synthase gene clusters on the linear plasmid pSLA2-L in <i>Streptomyces rochei</i>	Masanori Suwa Hiroyuki Sugino Eijiro Mori Akiko Sasaoka Shingo Fujii Hidenori Shinkawa Osamu Nimi Haruyasu Kinashi	Gene, <b>246</b> , (2000) pp. 123-131	原著
<b>B44</b> A complex insertion sequence cluster at a point of interaction between the linear plasmid SCP1 and the linear chromosome of <i>Streptomyces coelicolor</i> A3(2)	Masayuki Yamasaki Kiyotaka Miyashita John Cullum Haruyasu Kinashi	J. Bacteriol., <b>182</b> , (2000) pp. 3104-3110	原著
<b>B45</b> Cloning and analysis of the replication origin and the telomeres of the linear plasmid pSLA2-L in <i>Streptomyces rochei</i>	Keiichiro Hiratsu Susumu Mochizuki Haruyasu Kinashi	Mol. Gen. Genet., <b>263</b> , (2000) pp. 1015-1021	原著
<b>B46</b> A positive screening for drugs that specifically inhibit the Ca <sup>2+</sup> -signaling activity on the basis of the growth promoting effect on a yeast mutant with a peculiar phenotype	Atsunori Shitamukai Masaki Mizunuma Dai Hirata Hidetoshi Takahashi Tokichi Miyakawa	Biosci. Biotechnol. Biochem., <b>64</b> , 9 (2000) pp. 1942-1946	原著
<b>B47</b> RRS1, a conserved essential gene, encodes a novel regulatory protein required for ribosome biogenesis in <i>Saccharomyces cerevisiae</i>	Akiko Tsuno Keita Miyoshi Rota Tsujii Tokichi Miyakawa Keiko Mizuta	Molecular Cellular Biology, <b>20</b> , 6 (2000) pp. 2066-2074	原著
<b>B48</b> Ebp2, yeast homologue of a human protein that interacts with Epstein-Barr virus Nuclear Antigen 1, is required for pre-rRNA processing and ribosomal subunit assembly	Rota Tsujii Keita Miyoshi Akiko Tsuno Yasushi Matsui Akio Toh-e Tokichi Miyakawa Keiko Mizuta	Genes to Cells, <b>5</b> , (2000) pp. 543-553	原著
<b>B49</b> Regulation of Wee1 kinase in response to protein synthesis inhibition	Masako Suda Shinya Yamada Takashi Toda Tokichi Miyakawa Dai Hirata	FEBS Letters, <b>486</b> , 3 2000 pp. 305-309	原著
<b>B50</b> Ca <sup>2+</sup> シグナルによる細胞周期制御機構	水沼正樹 平田大 宮川都吉	実験医学, <b>18</b> , (2000) pp. 840-845	総説



論文題目	著者名	誌名, 巻, 号 (年頁)	論文種別
<b>B51</b> 真核微生物の多剤耐性	宮川都吉 高橋英俊	バイオサイエンスとバイオインダ ストリー, <b>58</b> , (2000) pp. 17-20	総説
<b>B52</b> Cyclic AMP regulates cell size of <i>Schizosaccharomyces pombe</i> through Cdc25 mitotic inducer	Norihito Kishimoto Ichiro Yamashita	Yeast, <b>16</b> , (2000) pp. 523-529	原著
<b>B53</b> Multiple pathways regulating fission yeast mitosis upon environmental stresses	Norihito Kishimoto Ichiro Yamashita	Yeast, <b>16</b> , (2000) pp. 597-609	原著
<b>B54</b> A transcriptional autoregulatory loop for KIN28-CCL1 and SRB10-SRB11, each encoding RNA polymerase II CTD kinase-cyclin pair, stimulates the meiotic development of <i>S. cerevisiae</i>	Kentaro Ohkuni Ichiro Yamashita	Yeast, <b>16</b> , (2000) pp. 829-846	原著
<b>B55</b> Estrogen-independent ovary formation in the Medaka fish, <i>Oryzias latipes</i>	Tetsuya Kawahara Ichiro Yamashita	Zoological Science, <b>17</b> , (2000) pp. 65-68	原著
<b>B56</b> Cloning and expression of genomic and complementary DNAs encoding an estrogen receptor in the Medaka fish, <i>Oryzias latipes</i>	Tetsuya Kawahara Hisashi Okada Ichiro Yamashita	Zoological Science, <b>17</b> , (2000) pp. 643-649	原著
<b>B57</b> Analysis of unique variable region of a plant root inducing plasmid, pRi1724, by the construction of its physical map and library	Kazuki Moriguchi Yasunobu Maeda Megumi Satou Miho Kataoka Nobukazu Tanaka Kazuo Yoshida	DNA Research, <b>7</b> , (2000) pp. 157-163	原著
<b>B58</b> Genome structure of Ri plasmid (3). Sequencing analysis of the vir region of pRi1724 in Japanese <i>Agrobacterium rhizogenes</i>	Niken Satuti NH Kazuki Moriguchi Megumi Sato Miho Kataoka Yasunobu Maeda Nobukazu Tanaka Kazuo Yoshida	Nucleic Acid Symposium Series, <b>44</b> , (2000) pp. 95-96	原著
<b>B59</b> Viability of plant hairy roots is sustained without propagation in low sugar medium kept at ambient temperature	Hirofumi Nagatome Takeo Yamamoto Masahito Taya Nobukazu Tanaka	Biochemical Engineering Jour- nal, <b>6</b> , (2000) pp. 75-80	原著

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<b>B60</b> Expression of betain aldehyde dehydrogenase gene in transgenic tomato hairy roots leads to the accumulation of glycine betain and contributes to the maintenance of the osmotic potential under salt stress	Reda Elwany Abdel-haleem Moghaieb Nobukazu Tanaka Hirofumi Saneoka Hashem Ahmed Hussein Sawsan Samy Yousef Mohamed Abu-Fandoud Ewada Mohamed Aly Mohamed Aly Kounosuke Fujita	Soil Science and Plant Nutrition, <b>46</b> , 4 (2000) pp. 873-883	原著
<b>B61</b> The spike of S phase cyclin Cig2 expression at the G1-S border in fission yeast requires both APC and SCF ubiquitin ligases	Hiroyuki Yamano Kenji Kitamura Kin-ichiro Kominami Anna Lehmann Satoshi Katayama Tim Hunt Takashi Toda	Molecular Cell, <b>6</b> , (2000) pp. 1377-1387	原著
<b>B62</b> Transport of Pyruvate in <i>Saccharomyces cerevisiae</i> and Cloning of the Gene Encoded Pyruvate Permease	Osamu Akita Chiharu Nishimori Toshihiro Shimamoto Tsutomu Fujii Haruyuki Iefuji	Biosci. Biotechnol. Biochem., <b>64</b> , 5 (2000) pp. 980-984	原著
<b>B63</b> Cloning and sequencing of the triacylglycerol lipase gene of <i>Aspergillus oryzae</i> and its expression in <i>Escherichia coli</i>	Junichi Toida Mikio Fukuzawa Gota Kobayashi Kiyoshi Ito Junichi Sekiguchi	FEMS Microbiology Letters, <b>189</b> , (2000) pp. 159-164	原著
<b>B64</b> Increasing the metal-adsorbing capacity of yeast cell wall by cell surface engineering	Hideko Kambe-Honjoh Keisuke Ohsumi Hitoshi Shimoi Harushi Nakajima Katsuhiko Kitamoto	Journal of General and Applied Microbiology, <b>46</b> , (2000) pp. 113-117	原著
<b>B65</b> Tolerance mechanism of the ethanol-tolerant mutant of sake yeast	Yoshiaki Ogawa Asako Nitta Hirofumi Uchiyama Takeshi Imamura Hitoshi Shimoi Kiyoshi Ito	Journal of Bioscience and Biotechnology, <b>90</b> , 3 (2000) pp. 313-320	原著

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<b>B66</b> Molecular cloning and application of a gene complementing pantothenic acid auxotrophy of sake yeast Kyokai No. 7	Hitoshi Shimoi Masaki Okuda Kiyoshi Ito	Journal of Bioscience and Biotechnology, <b>90</b> , 6 (2000) pp. 643-647	原著

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著書名	著者名	発行所	発行年	編・著・訳 分担執筆 等の区別
香料の事典（荒井綜一他）	秋田修	朝倉書店	2000	分担執筆

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## 既登録特許 (Registered Patents)

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発明の名称 (登録番号)	発明者	登録年月日
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精製ダニアレルゲン (特許第 3124337 号)	岡智 小埜和久 重田征子 和田武志	2000.10.27
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