

**Supplement**

2000

Wawro, A; Kasuya, A

*STM imaging of magnetic dots with ferromagnetic tip*

Acta Phys. Pol. A

97 (2000) 547 – 550

00-04TC02753

Terasaki, O; Ohsuna, T; Inagaki, S

*New microporous and mesoporous materials: elucidation of their structures by electron microscopy*

Catal. Surv. Jpn.

4 (2000) 99 – 106

00-04TC02619

Yan, WF; Yu, JH; Xu, RR; Zhu, GS; Xiao, FS; Han, Y; Sugiyama, K; Terasaki, O

*[Al<sub>12</sub>P<sub>13</sub>O<sub>52</sub>](3-)[(CH<sub>2</sub>)<sub>6</sub>N<sub>4</sub>H<sub>3</sub>](3+): An anionic aluminophosphate molecular sieve with Bronsted acidity*

Chem. Mat.

12 (2000) 2517 – 2519

00-04TC00116

Tzoganakou, K; Skeldon, P; Thompson, GE; Zhou, X; Kreissig, U; Wieser, E; Habazaki, H; Shimizu, K

*Mobility of lithium ions in anodic alumina formed on an Al-Li alloy*

Corrosion Sci.

42 (2000) 1083 – 1091

00-04TC02121

Herrera-Erazo, AE; Habazaki, H; Shimizu, K; Skeldon, P; Thompson, GE

*Anodic film growth on Al-Nd alloys*

Corrosion Sci.

42 (2000) 1823 – 1830

00-04TC01359

Echeverria, F; Skeldon, P; Thompson, GE; Graham, MJ; Habazaki, H; Shimizu, K

*Formation of anodic oxides on Al/0.2Ga0.8As and Al/0.8Ga0.2As in tungstate electrolytes*

Corrosion Sci.

42 (2000) 1839 – 1851

00-04TC02096

Margadant, N; Skeldon, P; Textor, M; Thompson, GE; Wan, J; Habazaki, H; Shimizu, K; Spencer, ND; Wood, GC

*Gallium enrichment and film detachment during anodizing of an Al-Ga alloy*

Corrosion Sci.

42 (2000) 405 – 419

00-04TC01384

Kihn, Y; Thompson, GE; Galaup, G; Skeldon, P; Zhou, X; Shimizu, K; Habazaki, H

*Morphology, composition and structure of anodic films on Al-Cr alloys*

Corrosion Sci.

42 (2000) 533 – 544

00-04TC01139

Shimizu, K; Brown, GM; Habazaki, H; Kobayashi, K; Skeldon, P; Thompson, GE; Wood, GC

*Selective oxidation of aluminium and interfacial enrichment of iron during anodic oxide growth on an Al<sub>6</sub>Fe phase*

Corrosion Sci.

42 (2000) 831 – 840

00-04TC01378

Kuzmann, E; Lakatos-Varsanyi, M; Nomura, K; Ujihira, Y; Masumoto, T; Principi, G; Tosello, C; Havancsak, K; Vertes, A

*Combination of electrochemical hydrogenation and Mossbauer spectroscopy as a tool to show the radiation effect of energetic heavy ions in Fe-Zr amorphous alloys*

Electrochim. Commun. 2 (2000) 130 – 134

00-04TC02762

Kanomata, T; Sugawara, Y; Kaneko, T; Kamishima, K; Katori, HA; Goto, T

*Giant magnetovolume effect of CrTe*

J. Alloy. Compd. 297 (2000) 5 – 8

00-04TC00787

Jun, S; Joo, SH; Ryoo, R; Kruk, M; Jaroniec, M; Liu, Z; Ohsuna, T; Terasaki, O

*Synthesis of new, nanoporous carbon with hexagonally ordered mesostructure*

J. Am. Chem. Soc. 122 (2000) 10712 – 10713

00-04TC00001

Ido, H; Yamada, M; Nashima, O; Ito, T; Yoshida, H

*Anomalous magnetic properties of the compound SmCo<sub>3</sub>B<sub>2</sub>*

J. Appl. Phys. 87 (2000) 4912 – 4914

00-04TC02747

Hasegawa, M; Ohno, K

*Can the visual molecular configuration in computer simulations locate solid-fluid phase boundaries? The case of C-60*

J. Chem. Phys. 113 (2000) 4315 – 4319

00-04TC00489

Ko, HJ; Chen, YF; Hong, SK; Yao, TF

*MBE growth of high-quality ZnO films on epi-GaN*

J. Cryst. Growth 209 (2000) 816 – 821

00-04TC00062

Yamamoto, A; Kido, T; Goto, T; Chen, YF; Yao, TF; Kasuya, A

*Time-resolved photoluminescence in ZnO epitaxial thin films studied by up-conversion method*

J. Cryst. Growth 214 (2000) 308 – 311

00-04TC00168

Shim, K; Rabitz, H; Chang, JH; Yao, TF

*Energy band gap of the alloy Zn<sub>1-x</sub>MgxSeyTe<sub>1-y</sub> lattice matched to ZnTe, InAs and InP*

J. Cryst. Growth 214 (2000) 350 – 354

00-04TC01125

Haga, K; Kamidaira, M; Kashiwaba, Y; Sekiguchi, T; Watanabe, H

*ZnO thin films prepared by remote plasma-enhanced CVD method*

J. Cryst. Growth 214 (2000) 77 – 80

00-04TC00085

Kashiwaba, Y; Katahira, F; Haga, K; Sekiguchi, T; Watanabe, H

*Hetero-epitaxial growth of ZnO thin films by atmospheric pressure CVD method*

J. Cryst. Growth 221 (2000) 431 – 434

00-04TC00114

Ashitaka, Z; Thompson, GE; Skeldon, P; Wood, GC; Habazaki, H; Shimizu, K

*Influence of thermal and surface treatments on distributions of lead in Al-Pb foils*

J. Electrochem. Soc.

147 (2000) 132 – 139

00-04TC00505

Yakushiji, K; Mitani, S; Takanashi, K; Ha, JG; Fujimori, H

*Composition dependence of particle size distribution and giant magnetoresistance in Co-Al-O granular films*

J. Magn. Magn. Mater.

212 (2000) 75 – 81

00-04TC00155

Yamane, H; Kinno, D; Shimada, M; Sekiguchi, T; Disalvo, FJ

*GaN single crystal growth from a Na-Ga melt*

J. Mater. Sci.

35 (2000) 801 – 808

00-04TC00228

Mu, DB; Jin, Y

*Study of anodized Al substrate for electronic packaging*

J. Mater. Sci.–Mater. Electron.

11 (2000) 239 – 242

00-04TC02113

Sakurai, H; Itoh, F; Oike, H; Tsurui, T; Yamamoto, S; Sumiyama, K; Hihara, T

*X-ray magnetic circular dichroism on Co monodispersive cluster assemblies*

J. Phys.–Condes. Matter

12 (2000) 3451 – 3460

00-04TC01374

Waseda, Y; Kang, S; Sugiyama, K; Kimura, M; Saito, M

*Partial structural functions of molten copper halides CuX (X = Br, I) estimated from the anomalous x-ray scattering measurements*

J. Phys.–Condes. Matter

12 (2000) A195 – A201

00-04TC00436

Lee, HY; Chun, JY; Yeo, CH; Chung, HB

*Photoinduced dichroism and its low-temperature characteristics in obliquely deposited amorphous As–Ge–Se–S thin films*

J. Vac. Sci. Technol. A–Vac. Surf. Films

18 (2000) 485 – 491

00-04TC00502

Peng, DL; Sumiyama, K; Hihara, T

*Exchange anisotropy of monodispersed Co/CoO cluster assemblies*

Jpn. J. Appl. Phys. Part 1 – Regul. Pap. Short Notes Rev. Pap.

00-04TC02760

Shimamura, K; Fujita, T; Sato, H; Bensalah, A; Sarukura, N; Fujuka, T

*Growth and characterization of KMgF<sub>3</sub> single crystals by the Czochralski technique under CF<sub>4</sub> atmosphere*

Jpn. J. Appl. Phys. Part 1 – Regul. Pap. Short Notes Rev. Pap.

00-04TC00425

Yamane, H; Kajiwara, T; Sekiguchi, T; Shimada, M

*Zinc-blende-type cubic GaN single crystals prepared in a potassium flux*

Jpn. J. Appl. Phys. Part 2 – Lett. Pap. Short Notes Rev. Pap.

00-04TC00382

Amano, T; Hara, A; Sakai, N; Sasaki, K

*Oxide adherence of Fe-20Cr-4Al alloys with small amounts of sulfur and reactive elements (Y,Hf)*

Mater. High Temp. 17 (2000) 117 – 124

00-04TC01364

Amato, G; Boarino, L; Rossi, AM; Lerondel, G; Parisini, A

*Low dimensional porous silicon superlattices*

Mater. Sci. Eng. B-Solid State 69 (2000) 48 – 52  
Mater. Adv. Technol.

00-04TC02127

Chen, YF; Bagnall, D; Yao, TF

*ZnO as a novel photonic material for the UV region*

Mater. Sci. Eng. B-Solid State 75 (2000) 190 – 198  
Mater. Adv. Technol.

00-04TC00003

Sekino, S; Isobe, T; Senna, M; Shinohara, T; Wagatsuma, F; Sumiyama, K; Suzuki, K

*Change in the short range order in the Al – Transition metal hydroxides mixed system by mechanical stressing*

Mater. Sci. Forum 343-3 (2000) 441 – 446

00-04TC01354

Habazaki, H; Takahiro, K; Yamaguchi, S; Shimizu, K; Skeldon, P; Thompson, GE; Wood, GC

*Importance of amorphous-to-crystalline transitions for ionic transport and oxygen generation in anodic films*

Philos. Mag. A-Phys. Condens. 80 (2000) 1027 – 1042  
Matter Struct. Defect Mech. Prop.

00-04TC00783

Tsai, AP; Murakami, Y; Niikura, A

*The Zn–Mg–Y phase diagram involving quasicrystals*

Philos. Mag. A-Phys. Condens. 80 (2000) 1043 – 1054  
Matter Struct. Defect Mech. Prop.

00-04TC00204

Frey, F; Weidner, E; Hradil, K; De Boissieu, M; Currat, R; Shibata, K; Tsai, AP; Sato, TJ

*On the one-dimensional 8A periodic superstructure in decagonal phases*

Philos. Mag. A-Phys. Condens. 80 (2000) 2375 – 2391  
Matter Struct. Defect Mech. Prop.

00-04TC00427

Parlinski, K; Li, ZQ

*Ab initio calculations of phonons in LiNbO<sub>3</sub>*

Phys. Rev. B 61 (2000) 272 – 278

00-04TC00206

Tabata, Y; Kuroda, N

*Diffusion-controlled A plus A → O reaction of nonequilibrium states on a disordered linear-chain lattice*

Phys. Rev. B 61 (2000) 3085 – 3090

00-04TC01383

Peng, DL; Sumiyama, K; Hihara, T; Yamamuro, S; Konno, TJ

*Magnetic properties of monodispersed Co/CoO clusters*

Phys. Rev. B 61 (2000) 3103 – 3109

00-04TC00038

- De Filippo, F; de Lisio, C; Maddalena, P; Lerondel, G; Altucci, C  
*Measurement of porous silicon dielectric constant by VUV laser harmonic radiation*  
Phys. Status Solidi A–Appl. Res. 182 (2000) 261 – 266  
00-04TC01648
- Wang, DS; Zhou, L  
*Effect of orbital correlation on the magnetocrystalline anisotropy of transition metals: one-dimensional chains*  
Physica B 279 (2000) 204 – 207  
00-04TC02761
- Hiraoka, K; Murakami, K; Tomiyoshi, S; Hihara, T; Shinohara, T; Kojima, K  
*Cu-63 NQR and Cd-113 NMR studies of YbMCu4(M = In, Cd)*  
Physica B 281 (2000) 173 – 174  
00-04TC00586
- Yavuz, M; McIntyre, P; Soika, R; Naugle, D; Faqir, H  
*Effect of V-doping in Bi-Pb-Sr-Ca-Cu-O superconductor composites*  
Physica C 341 (2000) 661 – 662  
00-04TC02694
- Tabata, Y; Kuroda, N  
*Photogrowth and decay of polarons in one-dimensional lattice*  
Prog. Theor. Phys. Suppl. (2000) 159 – 160  
00-04TC02744
- Tabata, Y; Kuroda, N  
*Time dynamics of solitons photogenerated in disordered linear lattice*  
Prog. Theor. Phys. Suppl. (2000) 584 – 585  
00-04TC02745
- Kawasuso, A; Arai, H; Hirata, K; Sekiguchi, T; Kobayashi, Y; Okada, S  
*Effect of radiation damage on luminescence of erbium-implanted SiO<sub>2</sub>/Si studied by slow positron beam*  
Radiat. Phys. Chem. 58 (2000) 615 – 619  
00-04TC02098
- Inoue, K; Saito, H; Nagashima, Y; Hyodo, T; Nagai, Y; Muramatsu, S; Nagai, S  
*Effect of refraction index and thickness of the light guide in the position-sensitive gamma-ray detector using compact PS-PMTs*  
Radiat. Phys. Chem. 58 (2000) 763 – 766  
00-04TC02099
- Hyodo, T; Suzuki, N; Saito, H; Nagai, Y  
*Age-momentum correlation study of positronium, fine particle surface and monovacancy formation energy*  
Radiat. Phys. Chem. 58 (2000) 767 – 769  
00-04TC02727
- Cho, HS; Jeong, HG; Kim, MS; Yamagata, H  
*High strain rate superplasticity in powder metallurgy processed Al-16Si-5Fe alloy*  
Scr. Mater. 42 (2000) 221 – 225  
00-04TC00676

Ohshima, E; Saya, Y; Nantoh, M; Kawai, M

*Synthesis and magnetic property of the perovskite  $Bi_{1-x}Sr_xMnO_3$  thin film*

Solid State Commun.

116 (2000) 73 – 76

00-04TC00346

Nadifi, H; Ouali, A; Grigorescu, C; Faqir, H; Monnereau, O; Tortet, L; Vacquier, G; Boulesteix, C

*Superconductive percolation in Bi-based superconductor/Bi-based insulator composites: case of  $Bi-2223/Bi-2310$  and  $Bi-2212/BiFeO_3$*

Supercond. Sci. Technol.

13 (2000) 1174 – 1179

00-04TC00775

Shimizu, K; Habazaki, H; Skeldon, P; Thompson, GE; Wood, GC

*GDOES depth profiling analysis of amorphous Ni-P-plated aluminium hard disks*

Surf. Interface Anal.

29 (2000) 151 – 154

00-04TC00958

Shimizu, K; Habazaki, H; Skeldon, P; Thompson, GE; Wood, GC

*Influence of argon pressure on the depth resolution during GDOES depth profiling analysis of thin films*

Surf. Interface Anal.

29 (2000) 155 – 159

00-04TC00503

Suto, S; Hu, CW; Sato, F; Tanaka, M; Kasukabe, Y; Kasuya, A

*Initial stage of SiC film growth on Si(111)7x7 and Si(100)2x1 surfaces using C-60 as a precursor studied by STM and HRTEM*

Thin Solid Films

369 (2000) 265 – 268

00-04TC02100

Echeverria, F; Skeldon, P; Thompson, GE; Habazaki, H; Shimizu, K

*The formation of anodic oxides on InAs at high efficiency in sodium tungstate electrolyte*

Thin Solid Films

371 (2000) 303 – 309

00-04TC02725

Czajka, R; Mielcarek, S; Mroz, B; Szuba, S; Kasuya, A; Kaszczyzyn, S

*Atomic force microscopy and friction force microscopy studies of ferroelastic crystal surfaces*

Wear

238 (2000) 34 – 39

00-04TC02754