

Okimoto, Y; Ogimoto, Y; Matsubara, M; Tomioka, Y; Kageyama, T; Hasegawa, T; Koinuma, H; Kawasaki, M; Tokura, Y

Direct observation of photoinduced magnetization in a relaxor

Appl. Phys. Lett. 80 (2002) 1031 – 1033

02-IMR0364

Ohtani, M; Fukumura, T; Kawasaki, M; Omote, K; Kikuchi, T; Harada, J; Koinuma, H

Concurrent evaluation of strain in heteroepitaxial thin films with continuous lattice mismatch

Appl. Phys. Lett. 80 (2002) 2066 – 2068

02-IMR0365

Chichibu, SF; Tsukazaki, A; Kawasaki, M; Tamura, K; Segawa, Y; Sota, T; Koinuma, H

Photorefectance spectra of a ZnO heteroepitaxial film on the nearly lattice-matched ScAlMgO₄ (0001) substrate grown by laser molecular-beam epitaxy

Appl. Phys. Lett. 80 (2002) 2860 – 2862

02-IMR0366

Terai, K; Lippmaa, M; Ahmet, P; Chikyow, T; Fujii, T; Koinuma, H; Kawasaki, M

In-plane lattice constant tuning of an oxide substrate with Ba_{1-x}Sr_xTiO₃ and BaTiO₃ buffer

Appl. Phys. Lett. 80 (2002) 4437 – 4439

02-IMR0368

Koida, T; Komiyama, D; Koinuma, H; Ohtani, M; Lippmaa, M; Kawasaki, M

Temperature-gradient epitaxy under in situ growth mode diagnostics by scanning reflection high-energy electron diffraction

Appl. Phys. Lett. 80 (2002) 565 – 567

02-IMR0361

Shinomori, S; Kawasaki, M; Tokura, Y

Orientation-controlled epitaxy and anisotropic properties of La_{2-x}Sr_xNiO₄ with 0.5 ≤ x ≤ 1.5 covering the insulator-metal transition

Appl. Phys. Lett. 80 (2002) 574 – 576

02-IMR0362

Yun, KS; Choi, BD; Matsumoto, Y; Song, JH; Kanda, N; Itoh, T; Kawasaki, M; Chikyow, T; Ahmet, P; Koinuma, H

Vapor-liquid-solid tri-phase pulsed-laser epitaxy of RBa₂Cu₃O_{7-y} single-crystal

Appl. Phys. Lett. 80 (2002) 61 – 63

02-IMR0359

Yamada, H; Kawasaki, M; Tokura, Y

Epitaxial growth and valence control of strained perovskite SrFeO₃

Appl. Phys. Lett. 80 (2002) 622 – 624

02-IMR0363

Kimura, H; Fukumura, T; Kawasaki, M; Inaba, K; Hasegawa, T; Koinuma, H

Rutile-type oxide-diluted magnetic semiconductor: Mn-doped

Appl. Phys. Lett. 80 (2002) 94 – 96

02-IMR0360

Makino, T; Tamura, K; Chia, CH; Segawa, Y; Kawasaki, M; Ohtomo, A; Koinuma, H
Effect of MgZnO-layer capping on optical properties of ZnO epitaxial
Appl. Phys. Lett. 81 (2002) 2172 – 2174

02-IMR0371

Tsukazaki, A; Saito, H; Tamura, K; Ohtani, M; Koinuma, H; Sumiya, M; Fuke, S; Fukumura, T; Kawasaki, M
Systematic examination of carrier polarity in composition spread ZnO thin films codoped with Ga and
Appl. Phys. Lett. 81 (2002) 235 – 237

02-IMR0369

Makino, T; Tamura, K; Chia, CH; Segawa, Y; Kawasaki, M; Ohtomo, A; Koinuma, H
Radiative recombination of electron-hole pairs spatially separated due to quantum-confined Stark and Franz-Keldish effects in ZnO/Mg_{0.27}Zn_{0.73}O quantum wells
Appl. Phys. Lett. 81 (2002) 2355 – 2357

02-IMR0372

Kato, H; Okuda, T; Okimoto, Y; Tomioka, Y; Takenoya, Y; Ohkubo, A; Kawasaki, M; Tokura, Y
Metallic ordered double-perovskite Sr₂CrReO₆ with maximal Curie temperature of 635
Appl. Phys. Lett. 81 (2002) 328 – 330

02-IMR0370

Yoo, YZ; Jin, ZW; Chikyow, T; Fukumura, T; Kawasaki, M; Koinuma, H
S doping in ZnO film by supplying ZnS species with pulsed-laser-deposition
Appl. Phys. Lett. 81 (2002) 3798 – 3800

02-IMR0373

Yamada, H; Kawasaki, M; Ogawa, Y; Tokura, Y
Perovskite oxide tricolor superlattices with artificially broken inversion symmetry by interface
Appl. Phys. Lett. 81 (2002) 4793 – 4795

02-IMR0374

Koida, T; Lippmaa, A; Komiyama, D; Kawasaki, M; Koinuma, H
Oscillation of surface in-plane lattice spacing during epitaxial growth of BaTiO₃ and SrTiO₃ on SrTiO₃(100)
Appl. Surf. Sci. 185 (2002) 226 – 230

02-IMR0375

Ohkubo, I; Matsumoto, Y; Itaka, K; Hasegawa, T; Ueno, K; Ohtani, M; Kawasaki, M; Koinuma, H
Quick optimization of Y-type magnetoplumbite thin films growth by combinatorial pulsed laser deposition technique
Appl. Surf. Sci. 197 (2002) 312 – 315

02-IMR0382

Ohkubo, I; Hirose, C; Tamura, K; Nishii, J; Saito, H; Koinuma, H; Ahemt, P; Chikyow, T; Ishii, T; Miyazawa, S; Segawa, Y; Fukumura, T; Kawasaki, M
Heteroepitaxial growth of beta-LiGaO₂ thin films on
J. Appl. Phys. 92 (2002) 5587 – 5589

02-IMR0386

Makino, T; Tamura, K; Chia, CH; Segawa, Y; Kawasaki, M; Ohtomo, A; Koinuma, H
Photoluminescence properties of ZnO epitaxial layers grown on lattice-matched ScAlMgO₄
J. Appl. Phys. 92 (2002) 7157 – 7159

02-IMR0387

Yoo, YZ; Chikyow, T; Ahmet, P; Jin, ZW; Kawasaki, M; Koinuma, H
Comparison of hexagonal ZnS film properties on c- and
J. Cryst. Growth 237 (2002) 1594 – 1598

02-IMR0389

Mamiya, M; Kikuchi, M; Takei, H
Crystallization of fine silicon particles from silicon
J. Cryst. Growth 237 (2002) 1909 – 1914

02-IMR0390

Murakami, Y; Shindo, D; Kikuchi, M; Zuo, JM; Spence, JCH
Resonance effect in ELNES from perovskite-type manganites BiMnO₃ and
J. Electron Microsc. 51 (2002) 99 – 103

02-IMR0392

Ohshima, E; Kusaba, K; Onodera, S; Kikuchi, M
Phase transition of Ta₂NiO₆ with the trirutile-type structure under high pressure and high temperature
J. Phys. Chem. Solids 63 (2002) 419 – 423

02-IMR0394

Kusaba, K; Kikegawa, T
A new high-pressure phase of ZnSe with B9-type
J. Phys. Chem. Solids 63 (2002) 651 – 655

02-IMR0395

Izumi, M; Ogimoto, Y; Manako, T; Kawasaki, M; Tokura, Y
Interface effect and its doping dependence in La_{1-x}Sr_xMnO₃/SrTiO₃
J. Phys. Soc. Jpn. 71 (2002) 2621 – 2624

02-IMR0399

Miyazaki, Y; Onoda, M; Oku, T; Kikuchi, M; Ishii, Y; Ono, Y; Morii, Y; Kajitani, T
Modulated structure of the thermoelectric compound
J. Phys. Soc. Jpn. 71 (2002) 491 – 497

02-IMR0396

Okimoto, Y; Konishi, Y; Izumi, M; Manako, T; Kawasaki, M; Tokura, Y
La_{1/2}Sr_{1/2}MnO₃ as investigated by optical
J. Phys. Soc. Jpn. 71 (2002) 613 – 617

02-IMR0397

Shinomori, S; Okimoto, Y; Kawasaki, M; Tokura, Y
Insulator-metal transition in
J. Phys. Soc. Jpn. 71 (2002) 705 – 708

02-IMR0398

Fujinaga, Y; Kikuchi, M; Sebaoun, A
The effect of pressure on the binary zinc-gallium phase
J. Phys.-Condes. Matter 14 (2002) 10727 – 10730

02-IMR0400

Itaka, K; Minami, H; Kawaji, H; Wang, Q; Nishii, J; Kawasaki, M; Koinuma, H
High-speed evaluation of thermoelectric materials using multi-channel measurement
J. Therm. Anal. 69 (2002) 1051 – 1058

02-IMR0401

Nakagawa, N; Lippmaa, M; Shibuya, K; Koinuma, H; Kawasaki, M
Magnetic and transport properties of Mn-based fractional-layer oxide
Jpn. J. Appl. Phys. Part 2 – Lett. 41 (2002) L302 – L304

02-IMR0402

Villora, EG; Murakami, Y; Sugawara, T; Atou, T; Kikuchi, M; Shindo, D; Fukuda, T
Electron microscopy studies of microstructures in beta-Ga2O3 single
Mater. Res. Bull. 37 (2002) 769 – 774

02-IMR0403

Shimada, Y; Okuno, M; Syono, Y; Kikuchi, M; Fukuoka, K; Ishizawa, N
An X-ray diffraction study of shock-wave-densified SiO2
Phys. Chem. Miner. 29 (2002) 233 – 239

02-IMR0405

Mizokawa, T; Nambu, T; Fujimori, A; Fukumura, T; Kawasaki, M
Electronic structure of the oxide-diluted magnetic semiconductor
Phys. Rev. B 65 (2002) Art. No. 085209 –

02-IMR0406

Makino, T; Tamura, K; Chia, CH; Segawa, Y; Kawasaki, M; Ohtomo, A; Koinuma, H
Optical properties of ZnO : Al epilayers: Observation of room-temperature many-body absorption-edge singularity
Phys. Rev. B 65 (2002) Art. No. 121201 –

02-IMR0407

Sawa, A; Kawasaki, M; Takagi, H; Tokura, Y
Electron-doped superconductor La2-xCexCuO4: Preparation of thin films and modified doping range for superconductivity
Phys. Rev. B 66 (2002) Art. No. 014531 –

02-IMR0408

Koida, T; Lippmaa, M; Fukumura, T; Itaka, K; Matsumoto, Y; Kawasaki, M; Koinuma, H
Effect of A-site cation ordering on the magnetoelectric properties in [(LaMnO3)(m)/(SrMnO3)(m)](n) artificial superlattices
Phys. Rev. B 66 (2002) Art. No. 144418 –

02-IMR0409

Yoo, JH; Murakami, Y; Shindo, D; Atou, T; Kikuchi, M
Behavior of magnetic domains in La0.46Sr0.54MnO3 during the ferromagnetic phase transformation studied by electron holography
Phys. Rev. B 66 (2002) Art. No. 212406 –

02-IMR0410

Makino, T; Tamura, K; Chia, CH; Segawa, Y; Kawasaki, M; Ohtomo, A; Koinuma, H
Size dependence of exciton-longitudinal-optical-phonon coupling in ZnO/Mg0.27Zn0.73O quantum wells
Phys. Rev. B 66 (2002) Art. No. 233305 –

02-IMR0411

dos Santos, AM; Cheetham, AK; Atou, T; Syono, Y; Yamaguchi, Y; Ohoyama, K; Chiba, H; Rao, CNR
Orbital ordering as the determinant for ferromagnetism in biferroic
Phys. Rev. B 66 (2002) Art. No.064425 –

02-IMR0161

Segawa, Y; Sun, HD; Makino, T; Kawasaki, M; Koinuma, H
Exciton related stimulated emission in ZnO-based multiple-quantum
Phys. Status Solidi A-Appl. Res. 192 (2002) 14 – 20

02-IMR0412

Villora, EG; Morioka, Y; Atou, T; Sugawara, T; Kikuchi, A; Fukuda, T
Infrared reflectance and electrical conductivity of
Phys. Status Solidi A-Appl. Res. 193 (2002) 187 – 195

02-IMR0413

Yun, KS; Choi, BD; Song, JH; Matsumoto, Y; Ahmet, P; Chikyow, T; Kawasaki, M; Koinuma, H
Growth of NdBa₂Cu₃O_{7-y} single crystal thin films by tri-phase
Physica C-Superconductivity and Its Application 378 (2002) 1202 – 1208

02-IMR0417