

Crystal Chemistry

2001

J. Kang, S. Tsunekawa, A. Kasuya

Size effect on absorption edges of ultrafine SnO₂ nanoparticles

Acta Phys. Sin. 50 (2001) 2198 – 2202

01-IMR0521

Boulon, G; Collombet, A; Brenier, A; Cohen-Adad, MT; Yoshikawa, A; Lebbou, K; Lee, JH; Fukuda, T

Structural and spectroscopic characterization of nominal Yb3+: Ca-8 La-2 (PO4)(6) O-2 oxyapatite single crystal fibers grown by the micro-pulling-down method

Adv. Funct. Mater. 11 (2001) 263 – 270

01-IMR0522

Kang Jun Yong, Tsunekawa Shin, Kasuya Atsuo

Ultraviolet Absorption Spectra of Amphoteric SnO₂ Nanocrystallites

Appl. Surf. Sci. 174 (2001) 306 – 309

01-IMR0523

Yang, WS; Lee, JH; Fukuda, T; Yoon, DH

Micro-pulling down growth of co-doped lithium niobate single crystal fibers according Er and Mg contents and photoluminescence properties

Cryst. Res. Technol. 36 (2001) 519 – 525

01-IMR0524

Shimamura, K; Sato, H; Bensalah, A; Sudesh, V; Machida, H; Sarukura, N; Fukuda, T

Crystal growth of fluorides for optical applications

Cryst. Res. Technol. 36 (2001) 801 – 813

01-IMR0525

Agnesi, A; Dell'Acqua, S; Guandalini, A; Reali, G; Cornacchia, F; Toncelli, A; Tonelli, M; Shimamura, K; Fukuda, T

Optical spectroscopy and diode-pumped laser performance of Nd³⁺ in the CNCG crystal

IEEE J. Quantum Electron. 37 (2001) 304 – 313

01-IMR0526

Nikl, M; Mihokova, E; Vedda, A; Shimamura, K; Fukuda, T

Oxide and fluoride based materials for scintillator applications

J. Ceram. Process. Res. 2 (2001) 16 – 20

01-IMR0527

Lee, JH; Yoshikawa, A; Durbin, SD; Yoon, DH; Fukuda, T; Waku, Y

Microstructure of Al2O3/ZrO2 eutectic fibers grown by the micro-pulling down method

J. Cryst. Growth 222 (2001) 791 – 796

01-IMR0528

Shimamura, K; Baldochi, SL; Ranieri, IM; Sato, H; Fujita, T; Mazzocchi, VL; Parente, CBR; Paiva-Santos, CO; Santilli, CV; Sarukura, N; Fukuda, T

Crystal growth of Ce-doped and undoped LiCaAlF6 by the Czochralski technique under CF4 atmosphere

J. Cryst. Growth 223 (2001) 383 – 388

01-IMR0529

Bensalah, A; Shimamura, K; Sudesh, V; Sato, H; Ito, K; Fukuda, T

Growth of Tm, Ho-codoped YLiF₄ and LuLiF₄ single crystals for eye-safe lasers

J. Cryst. Growth 223 (2001) 539 – 544

01-IMR0530

Lebbou, K; Itagaki, H; Yoshikawa, A; Fukuda, T; Boulon, G; Brenier, A

Effect of gadolinium (Gd³⁺) addition on the monophased field and crystal growth of Ba₂NaNb₅O₁₅ (BNN)

J. Cryst. Growth 224 (2001) 59 – 66

01-IMR0531

Ganschow, S; Klimm, D; Epelbaum, BM; Yoshikawa, A; Doerschel, J; Fukuda, T

Growth conditions and composition of terbium aluminum garnet single crystals grown by the micro pulling down technique

J. Cryst. Growth 225 (2001) 454 – 457

01-IMR0532

Jung, IH; Yoshikawa, A; Lebbou, K; Fukuda, T; Auh, KH

Crystal growth by micro-pulling-down of Ca₃Ga₂Ge₄O₁₄ (CGG) type-Sr₃Nb_{1-x}Ga₃(+) (5/3)xSi₂O₁₄ compounds

J. Cryst. Growth 226 (2001) 101 – 106

01-IMR0533

Pawlak, DA; Kagamitani, Y; Yoshikawa, A; Wozniak, K; Sato, H; Machida, H; Fukuda, T

Growth of Tb-Sc-Al garnet single crystals by the micro-pulling down method

J. Cryst. Growth 226 (2001) 341 – 347

01-IMR0534

Yamaga, M; Imai, T; Shimamura, K; Fukuda, T

Optical and ESR studies of Ce³⁺ in perovskite fluoride crystals BaLiF₃ and KMgF₃

J. Cryst. Growth 229 (2001) 487 – 491

01-IMR0535

Kodama, N; Hoshino, T; Yamaga, M; Ishizawa, N; Shimamura, K; Fukuda, T

Optical and structural studies on BaMgF₄: Ce³⁺ crystals

J. Cryst. Growth 229 (2001) 492 – 496

01-IMR0536

Kozeki, T; Suzuki, Y; Sakai, M; Ohtake, H; Sarukura, N; Liu, ZL; Shimamura, K; Nakano, K; Fukuda, T

Observation of new excitation channel of cerium ion through highly vacuum ultraviolet transparent LiCAF host crystal

J. Cryst. Growth 229 (2001) 501 – 504

01-IMR0537

Ono, Y; Nakano, K; Shimamura, K; Fukuda, T; Kajitani, T

Structural study of colquittite-type fluorides

J. Cryst. Growth 229 (2001) 505 – 509

01-IMR0538

Ye, JH; Shishido, T; Fukuda, T; Nakajima, K

Crystal growth and structural properties of RRh₃B₂ (R = Gd, Er, Tm) compounds

J. Cryst. Growth 229 (2001) 521 – 526

01-IMR0539

Okada, S; Shishido, T; Ogawa, M; Matsukawa, F; Ishizawa, Y; Nakajima, K; Fukuda, T; Lundstrom, T
MnSi and MnSi_{2-x} single crystals growth by Ga flux method and properties
J. Cryst. Growth 229 (2001) 532 – 536

01-IMR0033

J. Kang, S. Tsunekawa, B. Shen, Z. Mai, C. Wang, T. Tsuru, and A. Kasuya
Nanopipes in undoped AlGaN epilayers
J. Cryst. Growth 229 (2001) 58 – 62

01-IMR0535

Fukuda, T
Proceedings of the First Asian Conference on Crystal Growth and Crystal Technology Sendai, Japan, 29 August–1 September 2000 – Preface
J. Cryst. Growth 229 (2001) XI – XI

01-IMR0540

Lee, JH; Yoshikawa, A; Fukuda, T; Waku, Y
Growth and characterization of Al₂O₃/Y₃Al₅O₁₂/ZrO₂ ternary eutectic fibers
J. Cryst. Growth 231 (2001) 115 – 120

01-IMR0541

Bensalah, A; Shimamura, K; Nakano, K; Fujita, T; Fukuda, T
Growth and characterization of LiSrGaF₆ single crystal
J. Cryst. Growth 231 (2001) 143 – 147

01-IMR0542

Lee, JH; Yoshikawa, A; Kaiden, H; Lebbou, K; Fukuda, T; Yoon, DH; Waku, Y
Microstructure of Y₂O₃ doped Al₂O₃/ZrO₂ eutectic fibers grown by the micro-pulling-down method
J. Cryst. Growth 231 (2001) 179 – 185

01-IMR0543

Pawlak, DA; Wozniak, K; Shimamura, K; Fukuda, T
Correlation between structural parameters of colquittiite structures
J. Cryst. Growth 233 (2001) 699 – 708

01-IMR0544

Takeda, H; Fukuda, T; Kawanaka, H; Onozato, N
Effect of starting melt composition on growth of La₃Ta_{0.5}Ga_{5.5}O₁₄ crystal
J. Mater. Sci.–Mater. Electron. 12 (2001) 199 – 202

01-IMR0546

Yamaga, M; Honda, M; Kawamata, N; Fujita, T; Shimamura, K; Fukuda, T
Site symmetry and crystal field of Ce³⁺ luminescent centres in KMgF₃
J. Phys.–Condes. Matter 13 (2001) 3461 – 3473

01-IMR0547

Ko, JM; Durbin, SD; Fukuda, T; Inaba, K
Investigation of molecular beam epitaxial NdF₃/Si(111) heterostructures by atomic force microscopy and x-ray diffractometry
J. Vac. Sci. Technol. B 19 (2001) 2007 – 2012

01-IMR0548

Jung, IH; Kang, YH; Shim, KB; Yoshikawa, A; Fukuda, T; Auh, KH

Single crystal growth and characterizations of A(3)BC(3)D(2)O(14)-type compounds for piezoelectric applications

Jpn. J. Appl. Phys. Part 1 – Regul. 40 (2001) 5706 – 5709
Pap. Short Notes Rev. Pap.

01-IMR0549

Urata, Y; Fukuda, T; Ito, H; Wada, S

Laser performance of neodymium-doped lanthanum tungstate crystals

Jpn. J. Appl. Phys. Part 1 – Regul. 40 (2001) 6453 – 6454
Pap. Short Notes Rev. Pap.

01-IMR0550

Jung, IH; Kang, YH; Joo, K; Yoshikawa, A; Fukuda, T; Auh, KH

Ca₃Ga₂Ge₄O₁₄ (CGG)-type Sr₃Nb_{0.95}Ga_{3.08}Si₂O₁₄ single crystal grown by the Czochralski method for piezoelectric applications

Mater. Lett. 51 (2001) 129 – 134

01-IMR0551

Zeng, Z; Mizuseki, H; Higashino, K; Shimamura, K; Fukuda, T; Kawazoe, Y

Structure similarity of mixed buoyancy-thermocapillary flow in half-zone liquid bridge

Mater. Trans. 42 (2001) 2322 – 2331

01-IMR0226

Sudesh, V; Asai, K; Shimamura, K; Fukuda, T

Room-temperature T_m, H_o : LuLiF₄ laser with a novel quasi-end-pumping technique

Opt. Lett. 26 (2001) 1675 – 1677

01-IMR0552

Romo, FC; Goutaudier, C; Guyot, Y; Cohen-Adad, MT; Boulon, G; Lebbou, K; Yoshikawa, A; Fukuda, T

Yb³⁺-doped Ba₂NaNb₅O₁₅ (BNN) growth, characterization and spectroscopy

Opt. Mater. 16 (2001) 199 – 206

01-IMR0553

Dujardin, C; Pedrini, C; Garnier, N; Belsky, AN; Lebbou, K; Ko, JM; Fukuda, T

Spectroscopic properties of CeF₃ and LuF₃ : Ce³⁺ thin films grown by molecular beam epitaxy

Opt. Mater. 16 (2001) 69 – 76

01-IMR0554

Fukuda, T; Shimamura, K; Yoshikawa, A; Villora, EG

Crystal growth of new functional materials for electro-optical applications

Opto-Electron. Rev. 9 (2001) 109 – 116

01-IMR0555

Nikl, M; Solovieva, N; Mihokova, E; Dusek, M; Vedda, A; Martini, M; Shimamura, K; Fukuda, T

Scintillation decay of LiCaAlF₆ : Ce³⁺ single crystals

Phys. Status Solidi A–Appl. Res. 187 (2001) R1 – R3

01-IMR0556

Goto, A; Miyabe, R; Shimizu, T; Kitazawa, H; Hashi, K; Abe, H; Kido, G; Shimamura, K; Fukuda, T

Investigation for the possible crystal NMR quantum computing device with BaLiF₃

Physica B 298 (2001) 585 – 589

01-IMR0557

Y. A. Barnakov, S. Ito, I. Dmitruk, S. Tsunekawa, A. Kasuya
Production and Optical Study of PbI₂ Nanorod-Like Particles
Scripta Mater. 45 (2001) 273 – 277

01-IMR0558

Tomm, Y; Ko, JM; Yoshikawa, A; Fukuda, T
Floating zone growth of beta-Ga₂O₃: A new window material for optoelectronic device applications
Sol. Energy Mater. Sol. Cells 66 (2001) 369 – 374

01-IMR0559
