

24th JSAP AWARDS (Year 2002)



JJAP Paper Award

Award Recipients	Dharam Pal Gosain, Takashi Noguchi and Setsuo Usui
Title of the Paper	High Mobility Thin Film Transistors Fabricated on a Plastic Substrate at a Processing Temperature of 110°C
Authours	Dharam Pal Gosain, Takashi Noguchi and Setsuo Usui
Affiliation	Sony Corporation
Journal	Jpn. J. Appl. Phys. Vol. 39 (2000) Pt.2 No.3A/B pp.L179-L181 EXP

Award Recipients	Rajesh Kumar, Jun Kozima and Tsuyoshi Yamamoto
Title of the Paper	A Novel Diffusion Resistant P-Base Region Implantation for Accumulation Mode 4H-SiC Epi-Channel Field Effect Transistor
Authours	Rajesh Kumar, Jun Kozima and Tsuyoshi Yamamoto
Affiliation	DENSO CORPORATION
Journal	Jpn. J. Appl. Phys. Vol. 39 (2000) Pt.1 No.4B pp.2001-2007

Award Recipients	Seiichiro Matsumoto and Wenjun Zhang
Title of the Paper	High-Rate Deposition of High-Quality, Thick Cubic Boron Nitride Films by Bias-Assisted DC Jet Plasma Chemical Vapor Deposition
Authours	Seiichiro Matsumoto and Wenjun Zhang
Affiliation	National Institute for Research in Inorganic Materials
Journal	Jpn. J. Appl. Phys. Vol. 39 (2000) Pt.2 No.5B pp.L442-L444 EXP

Award Recipients	Tokushi Kizuka, Hajime Ohmi, Takao Sumi, Katsuyoshi Kumazawa, Shunji Deguchi, Mikio Naruse, Satoru Fujisawa, Shinya Sasaki, Akira Yabe and Yuji Enomoto
Title of the Paper	Simultaneous Observation of Millisecond Dynamics in Atomistic Structure, Force and Conductance on the Basis of Transmission Electron Microscopy
Authours	Tokushi Kizuka, Hajime Ohmi, Takao Sumi, Katsuyoshi Kumazawa, Shunji Deguchi ¹ , Mikio Naruse ¹ , Satoru Fujisawa ² , Shinya Sasaki ² , Akira Yabe ² and Yuji Enomoto ²
Affiliation	Nagoya University, ¹ JEOL Ltd., ² Mechanical Engineering Laboratory
Journal	Jpn. J. Appl. Phys. Vol. 40 (2001) Pt.2 No.2B pp.L170-L173

24th JSAP AWARDS (Year 2002)



Award Recipients	Tetsuya Akiyama, Mayumi Uno, Hideki Kitaura, Kenji Narumi, Rie Kojima, Kenichi Nishiuchi and Noboru Yamada
Title of the Paper	Rewritable Dual-Layer Phase-Change Optical Disk Utilizing a Blue-Violet Laser
Authours	Tetsuya Akiyama, Mayumi Uno, Hideki Kitaura, Kenji Narumi, Rie Kojima, Kenichi Nishiuchi and Noboru Yamada
Affiliation	Matsushita Electric Industrial Co.
Journal	Jpn. J. Appl. Phys. Vol. 40 (2001) Pt.1 No.3B pp.1598-1603

JJAP Young Scientist Award

Award Recipients	Takamitsu Ishihara
Title of the Paper	Quantitative Understanding of Electron Mobility Limited by Coulomb Scattering in Metal Oxide Semiconductor Field Effect Transistors with N ₂ O and NO Oxynitrides
Authours	Takamitsu Ishihara, Shin-ichi Takagi and Masaki Kondo
Affiliation	Toshiba Corporation
Journal	Jpn. J. Appl. Phys. Vol. 40 (2001) Pt.1 No.4B pp.2597-2602

Award Recipients	Shin-ichi Nagahama
Title of the Paper	Ultraviolet GaN Single Quantum Well Laser Diodes
Authours	Shin-ichi Nagahama, Tomoya Yanamoto, Masahiko Sano and Takashi Mukai
Affiliation	Nichia Corporation
Journal	Jpn. J. Appl. Phys. Vol. 40 (2001) Pt.2 No.8A pp.L785-L787 EXP

Award Recipients	Musubu Ichikawa
Title of the Paper	Photopumped Organic Solid-State Dye Laser with a Second-Order Distributed Feedback Cavity
Authours	Musubu Ichikawa, Yuji Tanaka, Naotoshi Suganuma, Toshiki Koyama and Yoshio Taniguchi
Affiliation	Shinshu University
Journal	Jpn. J. Appl. Phys. Vol. 40 (2001) Pt.2 No.8A pp.L799-L801

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Award Recipients	Yoshinao Mizugaki
Title of the Paper	Single-Electron Signal Modulator Designed for a Flash Analog-to-Digital Converter
Authours	Yoshinao Mizugaki ^{1,2} and Per Delsing ¹
Affiliation	¹ Chalmers University of Technology, ² Tohoku University
Journal	Jpn. J. Appl. Phys. Vol. 40 (2001) Pt.1 No.10 pp.6157-6162

Award Recipients	Isaho Kamata
Title of the Paper	Improvement in Electrical Properties of 4H-SiC Epilayers by Micropipe Dissociation
Authours	Isaho Kamata, Hidekazu Tsuchida, Tamotsu Jikimoto and Kunikazu Izumi
Affiliation	Central Research Institute of Electric Power Industry
Journal	Jpn. J. Appl. Phys. Vol. 40 (2001) Pt.2 No.10A pp.L1012-L1014

Review Paper Award

Award Recipients	Hiroshi IWAI and Shun-ichiro OHMI
Title of the Paper	Thin film technologies for advanced CMOS ULSIs
Authours	Hiroshi IWAI and Shun-ichiro OHMI
Affiliation	Tokyo Institute of Technology
Journal	OYO BUTURI, Vol.69, No.01, pp.0004-0014 (2000)

Award Recipients	Shozo KONO
Title of the Paper	Structural analyses of semiconductor surfaces by photoelectron diffraction
Authours	Shozo KONO
Affiliation	Tohoku University
Journal	OYO BUTURI, Vol.69, No.10, p.1157-1166 (2000)