

28th JSAP AWARDS (Year 2006)



JJAP Paper Award

Award Recipients Kwi Young YUN, Dan RICINSCHI, Takeshi KANASHIMA, Minoru NODA and Masanori OKUYAMA

Title of the Paper Giant Ferroelectric Polarization Beyond $150 \mu\text{C}/\text{cm}^2$ in BiFeO_3 Thin Film

Authours Kwi Young YUN, Dan RICINSCHI, Takeshi KANASHIMA, Minoru NODA and Masanori OKUYAMA

Affiliation Osaka University

Journal Jpn. J. Appl. Phys. Vol.43, No.5A, 2004, pp.L647-L648

Award Recipients Seiji Horiguchi, Akira Fujiwara, Hiroshi Inokawa and Yasuo Takahashi

Title of the Paper Analysis of Back-Gate Voltage Dependence of Threshold Voltage of Thin Silicon-on-Insulator Metal-Oxide-Semiconductor Field-Effect Transistor and Its Application to Si Single-Electron Transistor

Authours Seiji Horiguchi, Akira Fujiwara, Hiroshi Inokawa and Yasuo Takahashi

Affiliation NTT Corporation

Journal Jpn. J. Appl. Phys. Vol.43, No.4B, 2004, pp.2036-2040

Award Recipients Naoyuki Orihashi, Shinnosuke Hattori, Safumi Suzuki and Masahiro Asada

Title of the Paper Experimental and Theoretical Characteristics of Sub-Terahertz and Terahertz Oscillations of Resonant Tunneling Diodes Integrated with Slot Antennas

Authours Naoyuki Orihashi¹, Shinnosuke Hattori¹, Safumi Suzuki¹ and Masahiro Asada^{1,2}

Affiliation ¹Tokyo Institute of Technology, ²CREST, Japan Science and Technology Agency

Journal Jpn. J. Appl. Phys. Vol.44, No.11, 2005, pp.7809-7815

Award Recipients Masataka Higashiwaki and Toshiaki Matsui

Title of the Paper AlGaIn/GaN Heterostructure Field-Effect Transistors with Current Gain Cut-off Frequency of 152 GHz on Sapphire Substrates

Authours Masataka Higashiwaki and Toshiaki Matsui

Affiliation National Institute of Information and Communications Technology

Journal Jpn. J. Appl. Phys. Vol.44, No.16, 2005, pp.L475-478

28th JSAP AWARDS (Year 2006)



Award Recipients	Kazuo HOTATE and Toyohiko YAMAUCHI
Title of the Paper	Fiber-Optic Distributed Strain Sensing System by Brillouin Optical Correlation Domain Analysis with a Simple and Accurate Time-Division Pump-Probe Generation Scheme
Authours	Kazuo HOTATE and Toyohiko YAMAUCHI
Affiliation	The University of Tokyo
Journal	Jpn. J. Appl. Phys. Vol.44, No.32, 2005, pp.L1030-L1033

Award Recipients	Tsutomu ISHI, Junichi FUJIKAWA, Kikuo MAKITA, Toshio BABA and Keishi OHASHI
Title of the Paper	Si Nano-Photodiode with a Surface Plasmon Antenna
Authours	Tsutomu ISHI, Junichi FUJIKAWA, Kikuo MAKITA, Toshio BABA and Keishi OHASHI
Affiliation	NEC Corporation
Journal	Jpn. J. Appl. Phys. Vol.44, No.12, 2005, pp.L364-L366

JJAP Young Scientist Award

Award Recipients	Hidemi TOYOSAKI
Title of the Paper	A Ferromagnetic Oxide Semiconductor as Spin Injection Electrode in Magnetic Tunnel Junction
Authours	Hidemi TOYOSAKI, Tomoteru FUKUMURA, Kazunori UENO, Masaki NAKANO and Masashi KAWASAKI
Affiliation	Tohoku University
Journal	Jpn. J. Appl. Phys. Vol.44, No.28, 2005, pp.L896-L898

Award Recipients	Atsushi TSUKAZAKI
Title of the Paper	Blue Light-Emitting Diode Based on ZnO
Authours	Atsushi Tsukazaki ¹ , Masashi Kubota ² , Akira Ohtomo ¹ , Takeyoshi Onuma ^{2,3} , Keita Ohtani ⁴ , Hideo Ohno ⁴ , Shigefusa F. Chichibu ^{2,3} and Masashi Kawasaki ¹
Affiliation	¹ Tohoku University, ² University of Tsukuba, ³ NICP, ERATO, ⁴ Tohoku University
Journal	Jpn. J. Appl. Phys. Vol.44, No.21, 2005, pp.L643-L645

28th JSAP AWARDS (Year 2006)



Award Recipients	Toshihiro TSUJI
Title of the Paper	Evaluation of Domain Boundary of Piezo/Ferroelectric Material by Ultrasonic Atomic Force Microscopy
Authours	Toshihiro Tsuji ^{1,2} , Hisato Ogiso ¹ , Jun Akedo ¹ , Shigeru Saito ² , Kenji Fukuda ² and Kazushi Yamanaka ²
Affiliation	¹ National Institute of Advanced Industrial Science and Technology, ² Graduate School of Tohoku University
Journal	Jpn. J. Appl. Phys. Vol43, No.5B, 2004, pp.2907-2913

Award Recipients	Hidekazu MIMURA
Title of the Paper	Hard X-ray Diffraction-Limited Nanofocusing with Kirkpatrick-Baez Mirrors
Authours	Hidekazu Mimura ¹ , Satoshi Matsuyama ¹ , Hirokatsu Yumoto ¹ , Hideyuki Hara ¹ , Kazuya Yamamura ² , Yasuhisa Sano ¹ , Masafumi Shibahara ³ , Katsuyoshi Endo ² , Yuzo Mori ² , Yoshinori Nishino ⁴ , Kenji Tamasaku ⁴ , Makina Yabashi ⁵ , Tetsuya Ishikawa ^{4,5} and Kazuto Yamauchi ¹
Affiliation	¹ University of Osaka, ² University of Osaka, ³ Hyogo Prefectural Institute of Technology, ⁴ SPring-8/RIKEN, ⁵ SPring-8/ (JASRI)
Journal	Jpn. J. Appl. Phys. Vol.44, No.18, 2005, pp.L539-L542

Award Recipients	Masayuki FUJITA
Title of the Paper	Optical and Electrical Characteristics of Organic Light-Emitting Diodes with Two-Dimensional Photonic Crystals in Organic/Electrode Layers
Authours	Masayuki Fujita, Kuniaki Ishihara, Tetsuya Ueno, Takashi Asano, Susumu Noda, Hiroshi Ohata ¹ , Taishi Tsuji ¹ , Hitoshi Nakada ¹ and Noriyuki Shimoji ²
Affiliation	Kyoto University, ¹ Pioneer Corporation, ² Rohm Corporation Limited
Journal	Jpn. J. Appl. Phys. Vol.44, No.6A, 2005, pp.3669-3677

Review Paper Award

Award Recipients	Yasuhiko ARAKAWA and Shiro TSUKAMOTO
Title of the Paper	Advances and prospects of fabrication of low-dimensional quantum structures and device applications : Mainly focusing on quantum dots
Authours	Yasuhiko ARAKAWA and Shiro TSUKAMOTO
Affiliation	The University of Tokyo
Journal	OYO BUTURI, Vol.74, No.3,p.0293-0306 (2005)

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Award Recipients	Yoshinobu BABA
Title of the Paper	Development of Nano-biodesigns and their application to research for genomics and proteomics
Authors	Yoshinobu BABA
Affiliation	Nagoya University
Journal	OYO BUTURI, Vol.74, No.12,p.1543-1554 (2005)

Award Recipients	Hiroyuki Matsunami
Title of the Paper	Technological Breakthroughs in Growth Control of Silicon Carbide for High Power Electronic Devices
Authors	Hiroyuki Matsunami
Affiliation	Kyoto University
Journal	Jpn. J. Appl. Phys. Vol.43, No.10, 2004, pp.6835-6847