

26th JSAP AWARDS (Year 2004)



JJAP Paper Award

Award Recipients	Isaho Kamata, Hidekazu Tsuchida, Tamotsu Jikimoto and Kunikazu Izumi
Title of the Paper	Influence of 4H-SiC Growth Conditions on Micropipe Dissociation
Authours	Isaho Kamata, Hidekazu Tsuchida, Tamotsu Jikimoto and Kunikazu Izumi
Affiliation	Central Research Institute of Electric Power Industry (CRIEPI)
Journal	Jpn. J. Appl. Phys. Vol. 41 (2002) pp.L1137-L1139, Part 2, No. 10B, October 2002

Award Recipients	Akihiko Kandori, Daisuke Suzuki, Koichi Yokosawa, Akira Tsukamoto, Tsuyoshi Miyashita, Keiji Tsukada and Kazumasa Takagi
Title of the Paper	A Superconducting Quantum Interference Device Magnetometer with a Room-Temperature Pickup Coil for Measuring Impedance Magnetocardiograms
Authours	Akihiko Kandori, Daisuke Suzuki, Koichi Yokosawa, Akira Tsukamoto, Tsuyoshi Miyashita, Keiji Tsukada and Kazumasa Takagi
Affiliation	Hitachi, Ltd.
Journal	Jpn. J. Appl. Phys. Vol. 41 (2002) pp.596-599, Part 1, No. 2A, February 2002

Award Recipients	Tsuyoshi Tojyo, Shiro Uchida, Takashi Mizuno, Takeharu Asano, Motonobu Takeya, Tomonori Hino, Satoru Kijima, Shu Goto, Yoshifumi Yabuki and Masao Ikeda
Title of the Paper	High-Power AlGaInN Laser Diodes with High Kink Level and Low Relative Intensity Noise
Authours	Tsuyoshi Tojyo, Shiro Uchida, Takashi Mizuno, Takeharu Asano, Motonobu Takeya, Tomonori Hino, Satoru Kijima, Shu Goto, Yoshifumi Yabuki and Masao Ikeda
Affiliation	Sony Shiroishi Semiconductor Inc.
Journal	Jpn. J. Appl. Phys. Vol. 41 (2002) pp.1829-1833, Part 1, No. 3B, March 2002

Award Recipients	Tadashi Nishikawa, Katsuya Oguri, Satoru Suzuki, Yoshio Watanabe, Otto Zhou and Hidetoshi Nakano
Title of the Paper	Enhanced Water-Window X-Ray Pulse Generation from Femtosecond-Laser-Produced Plasma with a Carbon Nanotube Target
Authours	Tadashi Nishikawa, Katsuya Oguri, Satoru Suzuki, Yoshio Watanabe, Otto Zhou ¹ and Hidetoshi Nakano
Affiliation	NTT Corporation, ¹ University of North Carolina
Journal	Jpn. J. Appl. Phys. Vol. 42 (2003) pp.L990-L992, Part 2, No. 8B, 15 August 2003

26th JSAP AWARDS (Year 2004)



Award Recipients	Vladimir Seleznev, Hiroshi Yamaguchi, Yoshiro Hirayama and Victor Yakovlevich Prinz
Title of the Paper	Single-Turn GaAs/InAs Nanotubes Fabricated Using the Supercritical CO ₂ Drying Technique
Authours	Vladimir Seleznev ^{1,2} , Hiroshi Yamaguchi ² , Yoshiro Hirayama ^{2,3} and Victor Prinz ¹
Affiliation	¹ Institute of Semiconductor Physics, Acad. , ² NTT Corporation, ³ JST(CREST)
Journal	Jpn. J. Appl. Phys. Vol. 42 (2003) pp.L791-L794, Part 2, No. 7A, 1 July 2003

Award Recipients	Atsushi Tackeuchi, Takamasa Kuroda, Yoshiaki Nakata, Masahiro Murayama, Takamitsu Kitamura and Naoki Yokoyama
Title of the Paper	Electron Spin Flip by Antiferromagnetic Coupling between Semiconductor Quantum Dots
Authours	Atsushi Tackeuchi ^{1,2} , Takamasa Kuroda ¹ , Yoshiaki Nakata ³ , Masahiro Murayama ¹ , Takamitsu Kitamura ¹ and Naoki Yokoyama ³
Affiliation	¹ Waseda University, ² PRESTO, ³ Fujitsu Laboratories Ltd.
Journal	Jpn. J. Appl. Phys. Vol. 42 (2003) pp.4278-4281, Part 1, No. 7A, July 2003

JJAP Young Scientist Award

Award Recipients	Emi Miyata
Title of the Paper	Novel Photon-Counting Detector for 0.1-100 keV X-Ray Imaging Possessing High Spatial Resolution
Authours	Emi Miyata and Keisuke Tamura ¹
Affiliation	Osaka University, ¹ Nagoya University
Journal	Jpn. J. Appl. Phys. Vol. 42 (2003) pp.L1201-L1204, Part 2, No. 10A, 1 October, 2003

Award Recipients	Satoshi Aihara
Title of the Paper	Image Pickup from Zinc Phthalocyanine/Bathocuproine Double-Layer Film Using Pickup Tube
Authours	Satoshi Aihara, Kazunori Miyakawa, Yuji Ohkawa, Tomoki Matsubara, Tamotsu Takahata, Shiro Suzuki, Norifumi Egami, Nobuo Saito, Kenkichi Tanioka, Norihiko Kamata and Daiyo Terunuma ¹
Affiliation	NHK Science and Technical Research Laboratories, ¹ Saitama University
Journal	Jpn. J. Appl. Phys. Vol. 42 (2003) pp.L801-L803, Part 2, No. 7B, 15 July 2003

26th JSAP AWARDS (Year 2004)



Award Recipients	Tomoteru Fukumura
Title of the Paper	Magneto-Optical Spectroscopy of Anatase TiO ₂ Doped with Co
Authours	Tomoteru Fukumura ¹ , Yasuhiro Yamada ¹ , Kentaro Tamura ^{1,2} , Kiyomi Nakajima ³ , Toyomi Aoyama ⁴ , Atsushi Tsukazaki ¹ , Masatomo Sumiya ⁵ , Shunro Fuke ⁵ , Yusaburo Segawa ² , Toyohiro Chikyow ^{3,7} , Tetsuya Hasegawa ^{6,7} , Hideomi Koinuma ^{4,7} and Masashi Kawasaki ^{1,7}
Affiliation	¹ Tohoku University, ² RIKEN, ³ National Institute for Materials Science, ⁴ Tokyo Institute of Technology, ⁵ Shizuoka University, ⁶ Tokyo Institute of Technology, ⁷ Combinatorial Materials Exploration and Technology
Journal	Jpn. J. Appl. Phys. Vol. 42 (2003) pp.L105-L107, Part 2, No. 2A, 1 February 2003

Award Recipients	Masahiko Ishida
Title of the Paper	Sub-10-nm-Scale Lithography Using p-chloromethyl-methoxy-calix [4] arene Resist
Authours	Masahiko Ishida ¹ , Jun-ichi Fujita ¹ , Takashi Ogura ¹ , Yukinori Ochiai ¹ , Eiji Ohshima ² and Junji Momoda ²
Affiliation	¹ NEC Corp., ² Tokuyama Corp.
Journal	Jpn. J. Appl. Phys. Vol. 42 (2003) pp.3913-3916, Part 1, No. 6B, 30 June 2003

Review Paper Award

Award Recipients	Satoshi KAWATA and Yasushi INOUYE
Title of the Paper	Near-field and nonlinear nano-photonics
Authours	Satoshi KAWATA and Yasushi INOUYE
Affiliation	Osaka University
Journal	OYO BUTURI, Vol.71, No6, p.653-663 (2002)

Award Recipients	Takeshi KOBAYASHI and Masayoshi TONOUCHI
Title of the Paper	Present status and trends of superconductor electronics
Authours	Takeshi KOBAYASHI and Masayoshi TONOUCHI
Affiliation	Osaka University
Journal	OYO BUTURI, Vol.71, No.1, p.6-16 (2002)

26th JSAP AWARDS (Year 2004)



Award Recipients	Yasuo KOKUBUN
Title of the Paper	Photonic wavelength router using microring resonator
Authours	Yasuo KOKUBUN
Affiliation	Yokohama National University
Journal	OYO BUTURI, Vol.72, No11, p.1364-1373 (2003)