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Published Papers

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A1 Experiments on detonation initiation and propagation in extremely thin channels	Shunsuke Hasegawa Masashi Shimizu Akio Susa Takuma Endo	Science and Technology of Energetic Materials, 72 , 2 (2011) pp. 62-67
A2 Experiments on Pulse Detonation Turbine Engine	Takuma Endo Akio Susa Akihiko Mitsunobu Tomoaki Takahashi	Proceedings of the 2nd Workshop on Detonations and Detonation Engines, (2011) pp. 8-11
A3 Moving-Component-Free Pulse-Detonation Combustors and Their Use in Ground Applications	Takuma Endo Akio Susa Tomoya Akitomo Tetsuya Okamoto Kyohei Kanekiyo Yukio Sakaguchi Hiroyuki Yokoyama Shin-ichi Kato Akihiko Mitsunobu Tomoaki Takahashi Tatsuo Hanafusa Shuko Munehiro	Proceedings of the 23rd International Colloquium on the Dynamics of Explosions and Reactive Systems, (2011)
A4 Experiments on Hydrodynamic Stability of Laser-Driven Detonations in Nitrogen and Helium Gases	Tomohisa Honda Akira Kawaguchi Yoshiki Hanta Akio Susa Shin-ichi Namba Takuma Endo Hiroyuki Shiraga Keisuke Shigemori Mayuko Koga	Proceedings of the 23rd International Colloquium on the Dynamics of Explosions and Reactive Systems, (2011)
A5 Oscillating propagation of near-limit detonations of CH ₄ /O ₂ system in a small diameter tubes	Akio Susa Shunsuke Hasegawa Hiroyuki Yokoyama Takuma Endo Y. Ogawa Y. Morii Nobuyuki Tsuboi	Proceedings of the 23rd International Colloquium on the Dynamics of Explosions and Reactive Systems, (2011)
A6 Development of Pulse-Detonation Technology in Valveless Mode and Its Application to Turbine-Drive Experiments	Takuma Endo Akio Susa Kyohei Kanekiyo Yoshiki Hanta Akihiko Mitsunobu Tomoaki Takahashi	Proceedings of the 2011 International Workshop on Detonation for Propulsion, (2011)
A7 Finite element stress analysis and strength evaluation of epoxy-steel cylinders subjected to impact push-off loads	L. Liao T. Sawa	International Journal of Adhesion & Adhesives, 31 , 5 (2011) pp. 322-330
A8 Stress Analysis and Sealing Performance Evaluation in Rectangular Box-Shape Bolted Flange Connection With Gasket Subjected to Internal Pressure	T. Sawa R. Kurosawa W. Maezaki	Journal of Pressure Vessel Technology, 133, 133 , 2 (2011) pp. 021201-1-021201-8
A9 3-D FEM stress analysis and strength evaluation of single-lap adhesive joints subjected to impact loads	L. Liao T. Kobayashi T. Sawa Y. Goda	International Journal of Adhesion & Adhesives, 31 , 7 (2011) pp. 612-619
A10 Study on the Effect of Strain Rate of Adhesive Material on the Stress State in Adhesive Joints	Y. Goda T. Sawa	The Journal of Adhesion, 87 , 7-8 (2011) pp. 766-779

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A11 FEM Stress Analysis of the Characteristics of Bolted Joints Under External Loadings (In the Case Where Two Hollow Cylinders Are Clamped)	T. Sawa K. Kuwaki Y. Morozumi M. Okumura	ASME 2011 International Design Engineering Technical Conference & Computers and Information in Engineering Conference (IDETC2011), (2011)
A12 Effects of Strain Rate on the Stress Propagations in Bonded Shrink Fitted Joints Under Impact Push-Off Loadings	L. Liao T. Sawa T. Kobayashi Y. Goda	ASME 2011 International Design Engineering Technical Conference & Computers and Information in Engineering Conference (IDETC2011), (2011)
A13 Leak Tightness Based Design Procedure for Gasketed Pipe Flange Connections	Toshiyuki Sawa Takashi Kobayashi Hirokazu Tsuji Satoshi Nagata	ASME 2011 Pressure Vessel & Piping conference (PVP2011), (2011)
A14 Finite Element Stress Analysis for Leak Tests of Pipe Flange Connections Subject to Internal Pressure and Bending Moment	Satoshi Nagata Toshiyuki Sawa Takashi Kobayashi Hirokazu Tsuji	ASME 2011 Pressure Vessel & Piping conference (PVP2011), (2011)
A15 Evaluation of Sealing Performance and FEM Calculations in Bolted Flange Connections With Ring Joint Gasket Subjected to Internal Pressure	Kentaro Tenma Tsutomu Kikuchi Toshiyuki Sawa Kazuhide Horiuchi	ASME 2011 Pressure Vessel & Piping conference (PVP2011), (2011)
A16 FEM Calculation and Evaluation of Sealing Performance in Oil Pan Wavy-Shaped Flange Gasketed Connections	Ryo Kurosawa Kentaro Tenma Toshiyuki Sawa	ASME 2011 Pressure Vessel & Piping conference (PVP2011), (2011)
A17 Effects of Nut Thinning due to Corrosion on the Strength Characteristics and the Sealing Performance of Bolted Flange Joints Under Internal Pressure	Tsutomu Kikuchi Toshiyuki Sawa Yuya Omiya	ASME 2011 Pressure Vessel & Piping conference (PVP2011), (2011)
A18 Sealing Performance and FE Analysis of Pipe Flange Connection With Gasket Under Cyclic Thermal Condition	Yuya Omiya Yoshio Takagi Toshiyuki Sawa Hiroyasu Tsuji	ASME 2011 Pressure Vessel & Piping conference (PVP2011), (2011)
A19 Stress Concentration at the Root of Bolt Thread Under Twist With Deformable Flanges	Yasumasa Shoji Toshiyuki Sawa	ASME 2011 Pressure Vessel & Piping conference (PVP2011), (2011)
A20 FEM Stress Analysis and the Sealing Performance Evaluation of Pipe Flange Connections Subjected to External Bending Moments and Internal Pressure	Kazuhide Horiuchi Yoshio Takagi Toshiyuki Sawa	ASME 2011 Pressure Vessel & Piping conference (PVP2011), (2011)
A21 New Analytical Approach to Predict Creep Void Growth in Heat-Affected Zone of High Cr Steel Weldments	Eiji Murakami Takeshi Iwamoto Toshiyuki Sawa	ASME 2011 Pressure Vessel & Piping conference (PVP2011), (2011)
A22 A study on capturing a transformation-thermomechanical behavior of TRIP steel during impact compression	Shiro Yamanaka Takeshi IWAMOTO Toshiyuki Sawa	Materials Research Innovations, Vol. 15 , Supplement 1 (2011) pp. s131-s134
A23 Bending deformation behavior of TRIP steel at several deflection rates	Shin-ya Hashimoto Takeshi IWAMOTO Toshiyuki Sawa	Materials Research Innovations, Vol. 15 , Supplement 1 (2011) pp. s122-s125
A24 Nonlinear responses of dual-pendulum dynamic absorbers	Takashi Ikeda	Trans. ASME, J. Computational and Nonlinear Dynamics, 6 , 1 (2011) pp. 011012-1-011012-11
A25 Nonlinear dynamic responses of elastic structures with two rectangular liquid tanks subjected to horizontal excitation	Takashi Ikeda	Trans. ASME, J. Computational and Nonlinear Dynamics, 6 , 2 (2011) pp. 021001-1-021001-15
A26 Intrinsic localized modes in nonlinear discrete mechanical systems	Takashi Ikeda Yuji Harata	Proceedings of the 7th European Nonlinear Dynamics Conference (ENOC2011), (2011)

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A27 Autoparametric resonances of elastic structures coupled with two sloshing modes in a square liquid tank	Takashi Ikeda Masaki Takashima Yuji Harata	Proceedings of the ASME 2011 International Design Engineering Technical Conferences & Computers and Information in Engineering Conference (IDETC/CIE 2011), (2011)
A28 Parametric excitation based bipedal walking: Control method and optimization	Yuji Harata Yoshihisa Banno Kouichi Taji	Numerical Algebra, Control and Optimization, 1 , 1 (2011) pp. 171-190
A29 An optimizing method for a reference trajectory of parametric excitation walking	Kouichi Taji Yoshihisa Banno Yuji Harata	Robotica, 29 , 4 (2011) pp. 585-593
A30 Parametric excitation based inverse bending gait generation	Yuji Harata Fumihiko Asano Kouichi Taji Yoji Uno	Robotica, 29 , 6 (2011) pp. 831-841
A31 Development and experiment of a kneed biped walking robot based on parametric excitation principle	Yoshihisa Banno Yuji Harata Kouichi Taji Yoji Uno	Proceedings of the 2011 IEEE/RSJ International Conference on Intelligent Robots and Systems, (2011) pp. 2934-2939
A32 FEM Stress Analysis and Strength Prediction of Stepped-Lap Adhesive Joints of Similar Hollow Cylinders Under Static Tensile Loadings	Kazunari Kotajima Yasuhisa Sekiguchi Takashi Kobayashi Yuta Ueda Toshiyuki Sawa	Proceedings of the ASME 2011 International Mechanical Engineering Congress & Exposition, (2011)
A33 Two-Dimensional FEM Stress Analysis of Adhesive Butt Joints Filled With Nano-Composite in Adhesive Subjected to Static Tensile Loading	Toshiyuki Sawa Shogo Tanabe Takashi Kobayashi Kazunari Kotajima Yasuhisa Sekiguchi	Proceedings of the ASME 2011 International Mechanical Engineering Congress & Exposition, (2011)
A34 In Situ Diagnosis of a Gear-Tooth Surface Damage Using Laser Scattering	Eiichirou Tanaka Kazuteru Nagamura Kiyotaka Ikejo Ryozo Nemoto	Journal of Advanced Mechanical Design, Systems, and Manufacturing, 5 , 3 (2011) pp. 199-213
A35 Vibration Analysis of Elliptical Gears	Xing Liu Kazuteru Nagamura Kiyotaka Ikejo Yushiro Tachibana Toshiyuki Matsuki	Proceedings of The 4th International Conference on Manufacturing, Machine Design and Tribology (ICMDT2011), Gamagori, Aichi, JAPAN, April 24-27, (2011) pp. 19-20
A36 A new-type Torque Limiter with Friction Adjusting Mechanism for Robots	Nobuaki Imamura Akihiro Sato Akira Yoshida Kazuteru Nagamura	Proceedings of The 13th World Congress in Mechanism and Machine Science (IFTOMM2011), June 19-25, 2011, Guanajuato, Mexico, USB Memory A12-268, (2011) pp. 1-6
A37 Churning Loss of Spur Gear in Oil Bath Lubrication	Yuichi Ikeda Kiyotaka Ikejo Kazuteru Nagamura Shogo Tsuge	Extended Abstract of International Tribology Conference, Hiroshima 2011, Hiroshima, Japan, October 30 - November 3, 2011, USB Memory P07-08, (2011)
A38 Wear of Free Cutting Brass Spur Gears with Non-Involute Tooth Profile	Shinya Nakagawa Kazuteru Nagamura Kiyotaka Ikejo Natsuhiko Seyama Masaya Torii	Extended Abstract of International Tribology Conference, Hiroshima 2011 Hiroshima, Japan, October 30 - November 3, 2011, USB Memory P07-09, (2011)
A39 An Approach of Estimation of Distribution Algorithm for Job Shop Scheduling	Toru Eguchi Masahiro Fujimoto Takeshi Murayama	Proceedings of the 3rd International Symposium on Digital Manufacturing 2011, (2011) pp. 101-106

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A41 A Method of Constructing Cooperative Work Groups for Concurrent Engineering	Takeshi Murayama Toru Eguchi Akira Ogawa	Proceedings of the 3rd International Symposium on Digital Manufacturing 2011, (2011) pp. 410-415
A42 Numerical investigations of rarefied gas flows using the continuum description by the CIP Method	Youichi Ogata Takefumi Kawaguchi	Journal of Fluid Science and Technology, 6 , 2 (2011) pp. 215-229
A43 Quantitative Analyses of Fuel Spray - Ambient Gas Interaction by Means of LIF-PIV Technique	Jingyu Zhu Keiya Nishida Olawole Abiola Kuti Seoksu Moon	Atomization and Sprays, 21 , 6 (2011) pp. 447-465
A44 Effects of Injection Pressure and Ambient Gas Density on Fuel - Ambient Gas Mixing and Combustion Characteristics of D.I. Diesel Spray	Jungyu Zhu Olawole Abiola Kuti Keiya Nishida	CD-ROM Proceedings of 2011 JSAE/SAE International Powertrains, Fuels & Lubricants Meeting, JSAE 20119523 / SAE 2011-32-0523 (2011) pp. 1-18
A45 Experimental Study on Mixture Formation and Ignition Processes of Spray Injected by Hole-Type Nozzle for DISI Engine	Jiangping Tian Hajime Kataoka Keiya Nishida	CD-ROM Proceedings of 17th Small Engine Technology Conference, SETC 2011, (2011) pp. 1-8
A46 Experimental and Numerical Studies on Mixture Formation and Ignition Processes of Sprays Injected by Hole-Type Nozzle for DISI Engine	Jiangping Tian Hajime Kataoka Keiya Nishida Wuqiang Long	Proceedings of the 15th Annual Conference on Liquid Atomization and Spray Systems - Asia, ILASS-Asia 2011, (2011) pp. 327-338
A47 Effects of Injection Pressure and Ambient Gas Density on Mixing and Combustion Characteristics of D.I. Diesel Fuel Spray	Jingyu Zhu Keiya Nishida	CD-ROM Proceedings of the 4th International Symposium on Clean and High-Efficiency Combustion in Engines, ISCE '2011, (2011)
A48 Improving the Robustness of Instance-Based Reinforcement Learning Robots by Metalearning	Toshiyuki Yasuda Kousuke Araki Kazuhiro Ohkura	Journal of Advanced Computational Intelligence and Intelligent Informatics, 15 , 8 (2011) pp. 1065-1072
A49 Preservation and Application of Acquired Knowledge Using Instance-Based Reinforcement Learning for Multi-Robot Systems	Junki Sakanoue Toshiyuki Yasuda Kazuhiro Ohkura	Journal of Advanced Computational Intelligence and Intelligent Informatics, 15 , 8 (2011) pp. 1109-1115
A50 Implementing Genetic Algorithms to CUDA Environment Using Data Parallelization	Masashi Oiso Yoshiyuki Matsumura Toshiyuki Yasuda Kazuhiro Ohkura	Technical Gazette, 18 , 4 (2011) pp. 511-517
A51 Accelerating Steady-State Genetic Algorithms based on CUDA Architecture	Masashi Oiso Yoshiyuki Matsumura Toshiyuki Yasuda Kazuhiro Ohkura	Proceedings of 2011 IEEE Congress on Evolutionary Computation, (2011)
A52 Instance-Based Reinforcement Learning Technique with a Meta-Learning Mechanism for Robust Multi-Robot Systems	Toshiyuki Yasuda Motohiro Wada Kazuhiro Ohkura	Proceedings of the 12th Conference Towards Autonomous Robotic Systems, (2011) pp. 161-172
A53 Analyzing macroscopic behavior in a swarm robotic system based on clustering	Kazuhiro Ohkura Toshiyuki Yasuda Yoshiyuki Matsumura	Proceedings of the SICE Annual Conference 2011, (2011) pp. 356-361
A54 An Application of Smart Technologies from Collective Intelligence of Evolutionary Robotics to Innovative Fiber Production Systems	Yoshiyuki Matsumura Toshiyuki Yasuda Kazuhiro Ohkura	Proceedings of 6th International Conference on Advanced Fiber/Textile Materials, (2011)

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A55 Self-Organized Task Allocation in Reinforcement Learning Robots and a Human Partner	Toshiyuki Yasuda Soichiro Nomura Kazuhiro Ohkura	Proceeding of the 14th Asia Pacific Symposium on Intelligent and Evolutionary Systems, (2011) pp. 152-159
A56 Evolving Robot Controllers for a Homogeneous Robotic Swarm	Kazuhiro Ohkura Toshiyuki Yasuda Tomonori Sakamoto Yoshiyuki Matsumura	Proceedings of 2011 IEEE/SICE International Symposium on System Integration, (2011) pp. 708-713
A57 Partial tuning of dynamical controllers by data-driven loop-shaping	Masami Saeki Yosuke Sugitani	SICE Journal of Control, Measurement, and System Integration, 4 , 1 (2011) pp. 71-76
A58 Robust performance design of a state predictive controller on parameter space	Masami Saeki Assi Mouhammad	the 18 th IFAC World Congress, (2011) pp. 7414-7419
A59 A data-driven PID control design by linear programming for stable plants	Masami Saeki Ryoyu Kishi	the 18 th IFAC World Congress, (2011) pp. 7420-7425
A60 Speeding up of calculation for μ -synthesis of low order H_{∞} controllers	Takuma Iwamoto Masami Saeki Satoshi Satoh	Proceedings of the SICE Annual Conference 2011, (2011) pp. 1762-1767
A61 Vehicle Yaw Control Using an Active Front Steering System with Measurements of Lateral Tire Forces	Nobutaka Wada Akihiro Takahashi Masami Saeki Masaharu Nishimura	Journal of Robotics and Mechatronics, 23 , 1 (2011) pp. 83-93
A62 Repetitive control of Hamiltonian systems based on variational symmetry	Kenji Fujimoto Satoshi Satoh	Systems & Control Letters, 60 , 9 (2011) pp. 763-770
A63 Periodic gait generation via repetitive optimal control of Hamiltonian systems	Satoshi Satoh Kenji Fujimoto Sang-Ho Hyon	Proceedings of the 18th IFAC World Congress, (2011) pp. 6912-6917
A64 Permeability of Sintered Porous Metal in Finishing Process with Grinding and Electric Discharge Surface Modification	Keiji Yamada Junji Tsuboi Katsuhiko Sekiya Yasuo Yamane	Proc. of the 6th Int. Conf. on Leading Edge Manufacturing in 21st Century, (2011)
A65 A Study on Aspects of Attrition Wear of Cutting Grains in Grinding Process	Keiji YAMADA Takashi UEDA Akira HOSOKAWA	International Journal of Precision Engineering and Manufacturing, 12 , 6 (2011) pp. 965-973
A66 Quantifying the technology level of production system for technology transfer	Yasuo Yamane Katsuhiko Takahashi Kunihiro Hamada Katsumi Morikawa Senator Nur Bahagia Lucia Diawati Andi Cakravastia	Industrial Engineering & Management Systems, 10 , 2 (2011) pp. 97-103

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B1 Development of Hot-wire Laser Welding Method for Lap Joint of Steel Sheet with Wide Gap	Motomichi Yamamoto Kenji Shinozaki Kota Kadoi Daigo Fujita Takeshi Inoue Mitsugi Fukahori Yoichiro Kitahara	Quarterly J. Japan Welding Society, 29 , 3 (2011) pp. 58s-61s
B2 Development of High-efficiency and High-quality Hot-wire Laser Fillet Welding Process	Kota Kadoi Kenji Shinozaki Motomichi Yamamoto Katsura Owaki Koutarou Inose	Quarterly J. Japan Welding Society, 29 , 3 (2011) pp. 62s-65s
B3 Effect of Grain Size on Solidification Cracking Susceptibility of Type 347 Stainless Steel during Laser Welding	Kenji Shinozaki Peng Wen Motomichi Yamamoto Kota Kadoi Yusuke Kohno Takuo Komori	Quarterly J. Japan Welding Society, 29 , 3 (2011) pp. 90a-94s
B4 Effects of Tool Geometry and Process Conditions on Material Flow and Strength of Friction Stir Spot Welded Joint	Shohei Horie Kenji Shinozaki Motomichi Yamamoto Kota Kadoi Tom North	Quarterly J. Japan Welding Society, 29 , 3 (2011) pp. 119s-123s
B5 Bead Formation and Wire Temperature Distribution during Ultra-High-speed GTA Welding using pulse-heated hot-wire	Kenji Shinozaki Motomichi Yamamoto Koichi Mitsuhata Toshiharu Nagashima Tatsunori Kanazawa Hitoshi Arashin	Welding in the world, 55 (2011)
B6 Hotwire laser welding for automotive	Yoichiro Kitahara Mitsugi Fukahori Kenji Shinozaki Motomichi Yamamoto	Industrial Laser Solutions, 26 , 5 (2011)
B7 Relationship between Foam Stabilization and Physical Properties of Particles on Aluminum Foam Production	Kota Kadoi Hideo Nakae	Materials Transactions, 52 , 10 (2011) pp. 1912-1919
B8 In-situ Temperature Measurement using High-speed Camera during Welding	Akira Fujinaga Motomichi Yamamoto Kenji Shinozaki Kota Kadoi Kenji Mitsui Hiroyuki Usui	Proc. of 25th Asian-pacific Technical Exchange and Advisory Meeting on Marine Structure, (2011) pp. 68-75
B9 Development of High-efficiency / High-quality Fillet Welding Process using Hot-wire Laser Welding Method	Motomichi Yamamoto Kenji Shinozaki Kota Kadoi Katsura Owaki Koutarou Inose	Proc. of 25th Asian-pacific Technical Exchange and Advisory Meeting on Marine Structure, (2011) pp. 564-569
B10 Development of High-efficiency / High-quality Fillet Welding Process using Hot-wire Laser Welding Method	Motomichi Yamamoto Kenji Shinozaki Kota Kadoi Katsura Owaki Koutarou Inose	Proc. of 64th Annual Assembly & International Conference of the International Institute of Welding, (2011)
B11 Long time stability of Pb-free Sn-9Zn elements for AC-low voltage fuse performance	K. Matsugi Y. Iwashita Y. B. Choi G. Sasaki K. Fujii	Materials Transactions, 52 , 4 (2011) pp. 753-758

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B12 Preparation of unidirectional carbon fiber perform for aluminum matrix composites	M.H. Lee Y. B. Choi K. Sugio K. Matsugi G. Sasaki	Materials Transactions, 52 , 5 (2011) pp. 939-942
B13 Fabrication and characterization of unidirectional CF/Al composites	M.H. Lee Y. B. Choi K. Sugio K. Matsugi G. Sasaki	Sci. Eng. Compos. Mater., 18 (2011)
B14 Property-Control of TiNi System Intermetallics and their Characteristics	K. Matsugi T. Kashiwagi Y. B. Choi G. Sasaki	Materials Transactions, 52 , 12 (2011) pp. 2189-2196
B15 Evaluation of thermal conductivity of Cf/Al composites fabricated by low pressure infiltration methods	M. H. Lee Y. B. Choi K. Matsugi K. Sugio G. Sasaki	Proc. of 18th Int. Conf. on Composite Materials, (2011) pp. T6-1-IF0532- 1-5
B16 Tensile and trans-thickness tensile/inter-laminar shear failure behavior of nite-SiC/SiC composite	Y. B. Choi T. Hinoki K. Ozawa Y. Katoh K. Matsugi G. Sasaki	Proc. of 18th Int. Conf. on Composite Materials, (2011) pp. W22-1-IF0421- 1-4
B17 Fabrication process and microstructure of VGCFs/Al composites by spark sintering	G. Sasaki Z. F. Xu Y. B. Choi K. Sugio K. Matsugi	Proc. of 18th Int. Conf. on Composite Materials, (2011) pp. F12-3-AF0951- 1-5
B18 Fabrication of intermetallic compound dispersed aluminum matrix composites by porous nickel	S. Takiguchi Y. B. Choi K. Matsugi G. Sasaki W. J. Park W. J. Lee	Proc. of 18th Int. Conf. on Composite Materials, (2011) pp. P4-29-AF0539- 1-5
B19 Microstructure and mechanical properties of Al ₂ O ₃ /A336 composite by low pressure infiltration	T. Harimoto Y. B. Choi K. Matsugi G. Sasaki	Proc. of 18th Int. Conf. on Composite Materials, (2011) pp. P4-31-IF0554- 1-4
B20 Influence of interfacial reactant on the strength and fracture behavior of CF/Al composites	M. H. Lee Y. B. Choi K. Sugio K. Matsugi G. Sasaki	Proc. of 8th Korea-Japan Joint Symp. on Composite Materials, (2011) pp. 83-84
B21 Analysis of low pressure infiltration for molten aluminum to porous FeCrSi fiber	G. Sasaki N. Nishimura Y. B. Choi K. Sugio K. Matsugi	Proc. of 8th Korea-Japan Joint Symp. on Composite Materials, (2011) pp. 87-88
B22 Development of intermetallic compound dispersed aluminum matrix composites with a new process	Y. B. Choi S. Takiguchi K. Matsugi G. Sasaki	Proc. of 8th Korea-Japan Joint Symp. on Composite Materials, (2011) pp. 89-90
B23 Observation of Settling Behavior of Particles in Slurry under Centrifugal Force	Hiroyuki Y. Suzuki	J. Jpn. Soc. Microgravity Appl. (S84-S88), 28 , 2 (2011) pp. S84-S88
B24 Evaluation of Particle Spatial Distribution in Particle Dispersed Composites	K. Sugio G. Sasaki O. Yanagisawa	Proc. of 18th Int. Conf. on Composite Materials, (2011) pp. F24-2-AF1291-1-5
B25 Low Multiplicity Burst Search at the Sudbury Neutrino Observatory	B. Aharmim Ryuta Hazama et al.	Astrophysical Journal, 728 (2011) pp. 83-1-83-7

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B26 The MAJORANA Experiment	C.E. Aalseth Ryuta Hazama et al.	Nuclear Physics B (Proc.Suppl.), 217 (2011) pp. 44-46
B27 Astroparticle Physics with a Customized Low-Background Broad Energy Germanium Detector	C.E. Aalseth Ryuta Hazama et al.	Nuclear Instruments and Methods in Physics Research A, 652 (2011) pp. 692-695
B28 Radiological aspects of the LUSI brick and Ningyo-toge brick via low-background HPGe spectrometer	E. Simon Ryuta Hazama	Proceedings of the 12th Workshop on Environmental Radioactivity, Mar. 8-10, KEK, Japan, KEK-Proc., 2011-7 (2011) pp. 86-91
B29 Elucidation of thermal pretreatment kinetics of bio-oil feedstock premixed with calcium hydroxide and glycerol for reactive biodiesel production via ethanolysis in developing countries	Hendrex Kazembe-Phiri Yukihiko Matsumura Tomoaki Minowa	J. Jpn. Inst. Energy, 90 , 2 (2011) pp. 172-176
B30 Role of 5-HMF in supercritical water gasification of glucose	Athika Chuntanapum Yukihiko Matsumura	J. Chem. Eng. Jpn., 44 , 2 (2011) pp. 91-97
B31 Energy balance of a staged process for the supercritical water gasification of a hydrogen fermentation residue of food waste	Hiroto Munetsuna Masahiro Tamai Yoji Noda Yukihiko Matsumura	J. Jpn. Inst. Energy, 90 , 5 (2011) pp. 455-460
B32 Acid-catalyzed char formation from 5-HMF in subcritical water	Athika Chuntanapum Takayuki Shii Yukihiko Matsumura	J. Chem. Eng. Jpn., 44 , 6 (2011) pp. 431-436
B33 Reaction characteristics of glycerol pretreatment of bio-oil with calcium hydroxide for biodiesel production	Hendrex W. Kazembe-Phiri Yukihiko Matsumura Tomoaki Minowa	J. Jpn. Petrol. Inst., 54 , 4 (2011) pp. 266-271
B34 MD study of functionalized single-walled carbon nanotube	Shuhei Inoue Yukihiko Matsumura	J. Therm. Sci. Technol. (Tokyo, Jpn.), 6 , 2 (2011)
B35 Temperature effect on hydrothermal decomposition of glucose in sub- and supercritical water	Chutinan Promdej Yukihiko Matsumura	Ind. Eng. Chem. Res., 50 , 14 (2011) pp. 8492-8497
B36 Heat transfer characteristics of biomass slurry under high pressure and high temperature	Takashi Noguchi Yoji Noda Yoshihiko Yamasaki Shuhei Inoue Yoshifumi Kawai Yoshihisa Shimizu Tomoaki Minowa Yukihiko Matsumura	J. Jpn. Inst. Energy, 90 , 9 (2011) pp. 874-880
B37 New correlation for mass transfer characteristics of spray column	Tsubsa Tanda Koichi Shirai Yukihiko Matsumura Hiroyuki Kitahara	Ind. Eng. Chem. Res., 50 , 23 (2011) pp. 13554-13560
B38 Synthesis of single-walled carbon nanotubes using laser-vaporized metal nanoparticle catalyst	Masamichi Kohno Teppei Kawahara Masahiro Tomoda Yasuyuki Takata Shuhei Inoue Shinzo Suzuki Shigeo Maruyama	JOURNAL OF MECHANICAL SCIENCE AND TECHNOLOGY, 25 , 1 (2011) pp. 11-15
B39 MD Study of Functionalized Single-Walled Carbon Nanotube	Shuhei Inoue Yukihiko Matsumura	Journal of Thermal Science and Technology, 6 (2011) pp. 256-267
B40 Flame propagation in a vortex flow within small diameter tubes	Daisuke Shimokuri Yuuya Honda Satoru Ishizuka	Proceedings of the Combustion Institute, 33 , 2 (2011) pp. 3251-3258
B41 NO _x emission characteristics and aerodynamic structure of a self-recirculation type burner for small boilers	Kenichi Shinomori Kousuke Katou Daisuke Shimokuri Satoru Ishizuka	Proceedings of the Combustion Institute, 33 , 2 (2011) pp. 2735-2742

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B42 An experimental study on Methane/Oxygen-Air Combustion with a rapidly mixed type tubular flame burner	Baolu Shi Tatsuya Kowari Daisuke Shimokuri Satoru Ishizuka	Proceedings of ASME-JSME-KSME Joint Fluids Engineering Conference 2011, (2011)
B43 Effects of the Air - Fuel Ejection Velocity Ratio on the Combustion Characteristics and the Unburned Gas Compositions of the Propane - Air Rapidly Mixed Tubular Flame Combustion	Yerei Wang Kimiaki Kimura Naoshi Gokita Daisuke Shimokuri Satoru Ishizuka	Proceedings of ASME-JSME-KSME Joint Fluids Engineering Conference 2011, (2011)
B44 Emission spectroscopy of a microhollow cathode discharge plasma in helium-water gas mixtures	S. Namba T.Yamasaki Y.Hane D.Fukuhara K.Kozue K.Takiyama	J. Appl. Phys., 110 (2011) pp. 073307
B45 Electron spectra of xenon clusters irradiated with a laser-driven plasma soft-x-ray laser pulse	S. Namba N. Hasegawa M. Kishimoto M. Nishikino K.Takiyama T. Kawachi	Phys. Rev. A, 84 (2011) pp. 053202
B46 Spectroscopic measurement of an inertial electrostatic confinement discharge	K. Takiyama S. Namba S. Furukawa Y. Kuramoto K. Nakanishi O. Tsunefuji	Proc. 30th International Conference on Phenomena in Ionized Gases, (2011)
B47 Microdosimetric evaluation of neutron field for BNCT at Kyoto university reactor by using the PHITS code	H. Baba Y. Onizuka M. Nakao M. Fukabori T. Satoh Y. Sakurai H. Tanaka S. Endo	Radiat. Prot. Dos., 143 (2011) pp. 528-532
B48 Development of monitoring method of spatial neutron distribution in neutrons-		

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B52 Estimation of beta-ray skin dose from exposure to fission fallout from the Hiroshima atomic bomb	S. Endo K. Tanaka K. Shizuma M. Hoshi T. Imanaka	Radiation Protection Dosimetry, doi:10.1093/rpd/ncr407 (2011) pp. 1-7
B53 ESR dosimetry study for the residents of Kazakhstan exposed to radioactive fallout on 24, August 1956	K. Zhumadilov A. Ivannikov D. Zharlyganova Zh. Zhumadilov V. Stepanenko Sh. Abralina L. Sadvokasova A. Zhumadilova S. Toyoda S. Endo T. Okamoto M. Hoshi	Radiat. Meas., 46 (2011) pp. 793-796
B54 A spectrometer for lifetime determination by β - γ - γ		

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B63 A User-friendly 3D Yield Function for Steel Sheets and Its Application	F. Yoshida S. Tamura T. Uemori H. Hamasaki	Proceedings of the 8th International Conference on Numerical Simulation of 3D Sheet Metal Forming Processes (NUMISHEET2011), (2011) pp. 807-814
B64 Springback analysis on U-bending with bottoming	T. Ogawa F. Yoshida	Proceedings of the 8th International Conference on Numerical Simulation of 3D Sheet Metal Forming Processes (NUMISHEET2011), (2011) pp. 1129-1136
B65 Viscoplastic behavior of highly ductile acrylic adhesive under cyclic torsion and its modeling	T. Tokuda Y. Yoshida M. Takiguchi M. Funai N. Mizutani F. Yoshida	Proceedings of the 8th International Conference on Technology of Plasticity, (2011) pp. 990-994
B66 Two-stage reliability based design optimization for tension leveling process	H. Hamasaki K. Gejima V. V. Toropov F. Yoshida	Proceedings of the 8th International Conference on Technology of Plasticity, (2011) pp. 309-314
B67 Forming limit of high strength steel sheets under non-proportional deformation	R. Hino A. Hirahara Y. Fujii F. Yoshida	Proceedings of the 8th International Conference on Technology of Plasticity, (2011) pp. 912-916
B68 Parameter Identification for Elastoplastic Constitutive Equation by means of Cyclic Bending Experiment and Optimization	Hiroshi Hamasaki Shuhei Nakamura Vassili V. Toropov Fusahito Yoshida	Proceedings of the 9th World Congress on Structural and Multidisciplinary Optimization, (2011)
B69 Optimum Draw-beads Design for Stepped-shape Beam Forming to Suppress Wrinkle and Torsional Springback	Shigeki Abe Ryutaro Hino Yuki Morishita Yasuhiro Sakamoto Hiroki Kondo Fusahito Yoshida	Proceedings of the 9th World Congress on Structural and Multidisciplinary Optimization, (2011)
B70 3-Dimensional Observation of Fatigue Crack Propagation on Spot Welded Joints using High Strength Steel	Ryota Tanegashima Hiroyuki Akebono Masahiko Kato Aki Miyagaki Atsushi Sugeta	International Journal of Automotive Engineering, 2 , 3 (2011) pp. 61-67
B71 The Influence of the Load Variation on Fatigue Strength of the Spot Welded Joint using the High Strength Steel	Ryota Tanegashima Hiroyuki Akebono Masahiko Kato Atsushi Sugeta	Procedia Engineering, 10 (2011) pp. 3413-3418
B72 Investigation of influence of white layer geometry on spalling property in railway wheel steel	Takanori Kato Atsushi Sugeta Eisuke Nakayama	Wear, 271 (2011) pp. 400-407
B73 The Influence of the Load Variation on Fatigue Strength of the Spot Welded Joints using the High Strength Steel	Ryota Tanegashima Hiroyuki Akebono Masahiko Kato Atsushi Sugeta	Proc. 11th ICM, (2011)
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C2 Interactive fuzzy random two-level linear programming through fractile criterion optimization	Masatoshi Sakawa Hideki Katagiri Takeshi Matsui	Mathematical and Computer Modelling, 54 , 11-12 (2011) pp. 3153-3163
C3 Interactive multiobjective fuzzy random programming through the level set-based probability model	Hideki Katagiri Masatoshi Sakawa	Informaton Sciences, 181 , 9 (2011) pp. 1641-1650
C4 Operation planning of urban district heating and cooling plants considering the continuousness of load and driving	Keiichi Ishimaru Masatoshi Sakawa Hideki Katagiri Takeshi Matsui	Scientiae Mathematicae Japonicae, 73 , 1 (2011) pp. 59-74
C5 A Combined Fuzzy Analytic Network Process and Fuzzy-TOPSIS Model for Project Risk Assessment	Ebrahim Rezaee Nik Seyed Hessameddin Ze- gordi Ahad Nazari Masatoshi Sakawa Fereydoon Honari Choo- bar	International Journal of Modeling and Optimization, 1 , 4 (2011) pp. 275-284
C6 An interactive satisficing method for multiobjective random fuzzy programming problems through the possibility-based probability model	Hideki Katagiri Masatoshi Sakawa Takeshi Matsui	Proceedings of 2011 IEEE International Conference on Fuzzy Systems (FUZZ-IEEE 2011), (2011) pp. 1778-1782
C7 Interactive fuzzy programming through possibility measures and probability maximization for two-level linear programming problems involving fuzzy random variable coefficients	Masatoshi Sakawa Hideki Katagiri Takeshi Matsui	Proceedings of 2011 IEEE International Conference on Fuzzy Systems (FUZZ-IEEE 2011), (2011) pp. 1830-1835
C8 A Dual Channel Defect Position Identification Method for Touch Panel Manufacturing Process	Hiroshi Hamori Masatoshi Sakawa Hideki Katagiri Takeshi Matsui	Proceedings of International Conference on Electronics Packaging (ICEP2011), (2011) pp. 732-736
C9 Interactive multiobjective random fuzzy programming problems through the possibility-based fractile model	Hideki Katagiri Masatoshi Sakawa Takeshi Matsui	Proceedings of The 2011 IEEE International Conference on Systems, Man, and Cybernetics (IEEE SMC 2011), (2011) pp. 3144-3148
C10 Multiobjective evolutionary optimization of training and topology of recurrent neural networks for time-series prediction	Hideki Katagiri Ichiro Nishizaki Tomohiro Hayashida Takanori Kadoma	The Computer Journal, (2011)
C11 Maxima and Minima of Overall Survival Functions with Fixed Marginal Distributions and Transmission of Technology	Isao Higuchi Toshio Mikami	Communications in Statistics - Theory and Methods, 41 , 1 (2011) pp. 46-61
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C17 Design of a Self-Adjust Controller using Multiple Local Models for Nonlinear Systems	Shin-Ichi Imai Toru Yamamoto	Proc. of International Conference on Advanced Mechatronic Systems, (2011)
C18 Design and Experimental Evaluation of a Performance-Driven Adaptive Controller	Shin Wakitani Toru Yamamoto Takao Sato Nozomu Araki	Proc. of IFAC World Congress, (2011)
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C20 Design of Performance-Adaptive PID Controllers	Yoshihiro Ohnishi Toru Yamamoto Sirish L. Shah	Proc. of Int. Symp. on Advanced Control of Industrial Processes, (2011) pp. 331-336
C21 Design of a PID Tuner Based on Generalized Output Errors	Kayoko Hayashi Toru Yamamoto	Proc. of SICE Annual Conference, (2011) pp. 2614-2618
C22 Improvement of Detection Performance in DWT-Based Image Watermarking under Specified False Positive Probability	M. Nakamoto K. Sayama M. Muneyasu T. Harano S. Ohno	IEICE Trans. Fundamentals, E94-A , 2 (2011) pp. 661-670
C23 Closed-form approximation of linear phase IIR digital filters with guaranteed stability	M. Nakamoto S. Ohno	Proc. of IEEE International Conference on Acoustics, Speech and Signal Processing, (2011) pp. 1645-1648
C24 Preamble based channel and CFO estimation for MIMO-OFDM Systems with null subcarriers	E. Manasseh S. Ohno M. Nakamoto	IEICE Transactions on Fundamentals, E94-A , 11 (2011) pp. 2271-2278
C25 Design of low PAPR preamble and pilot symbol for channel estimation in OFDM systems	E. Manasseh S. Ohno M. Nakamoto	International Journal of Innovative Computing, Information and Control, 7 , 1 (2011) pp. 39-50
C26 Preamble and pilot symbol design for channel estimation in OFDM systems with null subcarriers	S. Ohno E. Manasseh M. Nakamoto	EURASIP Journal on Wireless Communications and Networking, (2011) pp. 1-17
C27 How many known symbols are required for linear channel estimation in OFDM?	S. Ohno E. Manasseh M. Nakamoto	Proc. of IEEE International Conference on Acoustics, Speech and Signal Processing, (2011) pp. 3580-3583
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C31 PCB assembly scheduling with alternative nozzle types for one component type	Shujuan Guo Katsuhiko Takahashi Katsumi Morikawa	Flexible Services and Manufacturing Journal, 23 , 3 (2011) pp. 316-345
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C37 Dual Sales Channel: Its Emergence, Current Advancement And Future Direction - A Review	Erwin Widodo Katsuhiko Takahashi Katsumi Morikawa I Nyoman Pujawan Budi Santosa	Proceedings of the 1st International Conference on Industrial Engineering and Service Science (IESS 2011), (2011) pp. 381-388
C38 Policy for adding a new worker with stochastic processing time to self-balancing production line	Daisuke Hirotani Katsumi Morikawa Katsuhiko Takahashi	Proceedings of the 12th Asia Pacific Industrial Engineering & Management Systems Conference (APIEMS 2011), (2011) pp. 809-814
C39 Adjusted-Stackelberg profit-sharing for coordinating dual sales channel	Erwin Widodo Katsuhiko Takahashi Katsumi Morikawa I Nyoman Pujawan Budi Santosa	Proceedings of the Asian Conference of Management Science & Applications (ACMSA2011), (2011)
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C41 Expected security cost-based FACTS device allocation using hybrid PSO	Rony Seto Wibowo Naoto Yorino Mehdi Eghbal Yoshifumi Zoka Yutaka Sasaki	IEEJ Trans. on Electrical and Electronic Engineering, 6 , 4 (2011) pp. 331-337
C42 Direct Computation of Critical Clearing Time for Transient Stability Analysis	Naoto Yorino Ardyono Priyadi Ridzuan Bin Abdul Mutalib Yutaka Sasaki Yoshifumi Zoka Hiroaki Sugihara	Proc. of the 17th Power Systems Computation Conference, (2011)
C43 A Study on the Unit Commitment Planning for a Small Isolated Power System with Intermittent Renewable Energy	Shinya Okada Koji Shima Habi Buddin Mohamad Hafiz Bin Yutaka Sasaki Yoshifumi Zoka Naoto Yorino	Proc. of the International Conference on Electrical Engineering, (2011)

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C45 System operation and planning issues in the Japanese Interconnected System in the aftermath of March 11 events	Naoto Yorino Hiroshi Okamoto	Proc. of the 11th International workshop on electric power control centers, (2011)
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C47 Noninvasive Biological Sensor System for Detection of Drunk Driving	Kohji Murata Etsunori Fujita Shigeyuki Kojima Shinitirou Maeda Yumi Ogura Tsutomu Kamei Toshio Tsuji Shigehiko Kaneko Masao Yoshizumi Nobutaka Suzuki	IEEE Transactions on Information Technology in BioMedicine, 15 , 1 (2011) pp. 19-25
C48 An artificial neural network approach for glomerular activity pattern prediction using the graph kernel method and the Gaussian mixture functions	Zu Soh Toshio Tsuji Noboru Takiguchi Hisao Ohtake	Chemical Senses, 36 , 5 (2011) pp. 413-424
C49 Effects of ionizing radiation on pharyngeal pumping in <i>Caenorhabditis elegans</i>	Michiyo Suzuki Tetsuya Sakashita Yuya Hattori Toshio Tsuji Yasuhiko Kobayashi	18th International C. elegans Meeting, (2011) pp. 158-159
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C51 A CPG Synergy Model for Evaluation of Human Finger Tapping Movements	Keisuke Shima Yasuhiro Tamura Toshio Tsuji Akihiko Kandori Saburo Sakoda	Proceedings of the 33rd Annual International Conference of the IEEE EMBS, (2011) pp. 4443-4448
C52 A Motor-control Training Method for Smoothness and Timing of Voluntary Arm Movements in a Virtual Tennis Task	Yoshiyuki Tanaka Haruhito Inoue Toshio Tsuji Nobuaki Imamura	Proceedings of the 33rd Annual International Conference of the IEEE EMBS, (2011) pp. 1297-1300
C53 Robotic Rehabilitation System Using Human Hand Trajectory Generation Model in Virtual Curling Task	Yoshiyuki Tanaka Toru Sanemasa Toshio Tsuji Nobuaki Imamura	2011 IEEE/RSJ International Conference on Intelligent Robots and Systems, (2011) pp. 1717-1722
C54 On-Center/Off-Surround Neural Network Model For Olfactory Attention	Zu Soh Toshio Tsuji Noboru Takiguchi Hisao Ohtake	3rd International Joint Conference on Computational Intelligence (IJCCI 2011) Proceedings, (2011) pp. 183-189
C55 Human-sized Anthropomorphic Robot Hand with Detachable Mechanism at the Wrist	Yuichi Kurita Yasuhiro Ono Atsutoshi Ikeda Tsukasa Ogasawara	Mechanism and Machine Theory, 46 , 1 (2011) pp. 53-66

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D6 A Graph Rewriting Approach for Converting Asynchronous ROMs into Synchronous Ones	Md. Nazrul Islam Mondal Koji Nakano Yasuaki Ito	IEICE TRANSACTIONS on Information and Systems, E94-D , 12 (2011) pp. 2378-2388
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D13 Adaptive Prefetching Scheme for Peer-to-Peer Video-on-Demand Systems with a Media Server	Ryusuke Uedera Satoshi Fujita	IEICE Trans. on Information and Systems, E94-D , 12 (2011) pp. 2362-2369
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D17 A Branch-and-Bound Algorithm for Solving the Multiprocessor Scheduling Problem with Improved Lower Bounding Techniques	Satoshi Fujita	IEEE Trans. Computers, 60 , 7 (2011) pp. 1006-1016
D18 A Two-Level Caching Protocol for Hierarchical Peer-to-Peer File Sharing Systems	Qiyang Wei TingTing Qin Satoshi Fujita	Journal of Convergence, 2 , 1 (2011) pp. 11-16
D19 Load Balancing Schemes for a Hierarchical Peer-to-Peer File Search System	Qi Cao Satoshi Fujita	International Journal of Grid and Utility Computing, 2 , 2 (2011) pp. 164-171
D20 Resource Assignment in Distributed Networks Under Cyclic Constraint	Satoshi Fujita	Proc. the 6th International Conference on Ubiquitous Information Technologies & Applications (6th CUTE), (2011) pp. 138-141
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D27 On Connected Domatic Partition of Regular Graphs	Satoshi Fujita	Proc. 14th Korea-Japan Joint Workshop on Algorithms and Computation (WAAC 2011), (2011) pp. 164-169
D28 A Two-Level Caching Protocol for Hierarchical Peer-to-Peer File Sharing Systems	Qiyang Wei Tingting Qin Satoshi Fujita	Proc. The 9th IEEE International Symposium on Parallel and Distributed Processing with Applications (ISPA 2011), (2011) pp. 195-200
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D31 Asynchronous mobile robot gathering from symmetric configurations without global multiplicity detection	Sayaka Kamei Anissa Lamani Fukuhito Ooshita Sebastien Tixeuil	In Proceedings of the 18th International Colloquium on Structural Information and Communication Complexity (SIROCCO), (2011) pp. 150-161
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D33 Two Heuristic Algorithms for Minimizing Initial Markings of Timed Petri Nets	Satoru Ochiiwa Satoshi Taoka Toshimasa Watanabe	The 26th International Technical Conference on Circuits/Systems, Computers and Communications (ITC-CSCC), (2011) pp. 27-30
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D36 Some fully nonlinear elliptic boundary value problems with ellipsoidal free boundaries	Shigeru Sakaguchi Cristian Enache	Mathematische Nachrichten, 284 , 14,15 (2011) pp. 1872-1879
D37 Optimization problems on general classes of rearrangements	Shigeru Sakaguchi Fabrizio Cuccu Giovanni Porru	Nonlinear Analysis Theory, Methods Applications, 74 , 16 (2011) pp. 5554-5565
D38 GPU-based SoftAssign for Maximizing Image Utilization in Photomosaics	Marcos Slomp Michihiro Mikamo Bisser Raytchev Toru Tamaki Kazufumi Kaneda	International Journal of Networking and Computing, 1 , 2 (2011) pp. 211-229
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D40 POSE ESTIMATION BY LOCAL PROCRUSTES REGRESSION	Bisser Raytchev Kazuya Terakado Toru Tamaki Kazufumi Kaneda	The International Conference on Image Processing, (2011) pp. 3646-3649
D41 Realistic Image Synthesis Considering Spectral Distribution of Light	Kazufumi Kaneda	China-Japan Symposium on Visual Computing, (2011)
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D45 Diagnosable Concept Map toward Group Formation and Peer Help	Tsukasa Hirashima Kazuya Yamasaki Hiroyuki Fukuda Hideo Funaoi	Proc. of CSCL2011, (2011) pp. 880-881
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D48 Kit-Build External Expression of Problem Solving Process in Physics Learning	Tomoya Shinohara Sho Yamamoto Tsukasa Hirashima	Proc. of The 19th International Conference on Computers in Education, ICCE 2011, (2011) pp. 70-75
D49 Support for Concept Map Building based on Learner Building History	Youhei Mizuta Tsukasa Hirashima Hideo Funaoi	Proc. of The 19th International Conference on Computers in Education, ICCE 2011, (2011) pp. 76-80
D50 Development of Computer based Learning in School	Tsukasa Hirashima	Proc. of Seminar on Strengthening the ICT learning Resources for Increasing Learners' Learning, (2011)
D51 Comparison of Kit-Build and Scratch-Build Concept Mapping Methods on Memory Retention	Hideo Funaoi Kouhei Ishida Tsukasa Hirashima	Proc. of The 19th International Conference on Computers in Education, ICCE 2011, (2011) pp. 539-546
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D54 Simulating reversible Turing machines and cyclic tag systems by one-dimensional reversible cellular automata	Kenichi Morita	Theoretical Computer Science, 412 , 30 (2011) pp. 3856-3865
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D58 Relationship between Depth and Nondeterministic Gates in Nondeterministic Circuit Families	Chuzo Iwamoto Yusuke Ono Kenichi Morita Katsunobu Imai	IPSJ Journal, 52 , 4 (2011) pp. 1667-1677
D59 A Polynomial-Time Reduction from the SAT Problem to the Generalized One-Person Last-and-First Game	Chuzo Iwamoto Yusuke Sumida	Advances in Computer Science and Engineering, 6 , 2 (2011) pp. 105-114
D60 A Transferring Protocol with Local Information on an Ad-Hoc Sensor Network	Dansaku Nakayama Naoshi Sakamoto Katsunobu Imai	Proceedings of 2nd International Workshop on Advances in Networking and Computing (WANC), (2011) pp. 291-293
D61 On 1-resilient, radius 2 elementary CA rules	Enrico Formenti Katsunobu Imai Bruno Martin Jean-Baptiste Yunès	Proceedings of 17th International Workshop on Cellular Automata and Discrete Complex Systems (AUTOMATA 2011), (2011) pp. 41-54
D62 Large deviations on Markov towers	Yong Moo Chung	Nonlinearity, 24 , 4 (2011) pp. 1229-1252

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D66 A refined EM algorithm for PH distributions	H. Okamura T. Dohi K. S. Trivedi	Performance Evaluation, 68 , 10 (2011) pp. 938-954
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D73 A route discovery method for alleviating traffic congestion based on VANETs in urban transportations considering a relation between vehicle density and average velocity	M. Kimura S. Inoue Y. Kakuda T. Dohi	Proceedings of the 10th International Symposium on Autonomous Decentralized Systems (ISADS-2011), (2011) pp. 299-302
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D103 Information Filtering by Using Materialized Skyline Views	Yasuhiko Morimoto Md. Shumsul Arefin Md. Anisuzzaman Siddique	International Workshop on Databases in Networked Information System, Springer LNCS 7108 (2011) pp. 179-189
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E2 Oxidation Behavior of Copper Nanoparticles at Low Temperature	A. Yabuki S. Tanaka	Materials Research Bulletin, 46 , 12 (2011) pp. 2322-2327
E3 Self-healing capability of porous polymer film with corrosion inhibitor inserted for corrosion protection	A. Yabuki T. Nishisaka	Corrosion Science, 53 , 12 (2011) pp. 4118-4123
E4 Low-temperature synthesis of copper conductive film by thermal decomposition of copper-amine complexes	A. Yabuki N. Arriffin M. Yanase	Thin Solid Films, 519 (2011) pp. 6530-6533
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E6 Particle-Induced Damage and Subsequent Healing of Materials: Erosion, Corrosion and Self-healing Coatings	A. Yabuki	Advanced Powder Technology, 22 , 3 (2011) pp. 303-310
E7 Enhanced photoluminescence of ZnO-SiO ₂ nanocomposite particles and the analyses of structure and composition	N. Hagura T. Takeuchi S. Takayama F. Iskandar K. Okuyama	Journal of Luminescence, 131 , 1 (2011) pp. 138-146
E8 Progress in Developing Spray-drying Methods for the Production of Controlled Morphology Particles: From the Nanometer to Submicrometer Size Ranges	Nandiyanto, A.B.D. K. Okuyama	Advanced Powder Technology, 62 , 10 (2011) pp. 907-912
E9 Highly Ordered Porous Monolayer Generation by Dual-Speed Spin-Coating with Colloidal Templates	Nandiyanto, A.B.D. T. Ogi F. Iskandar K. Okuyama	Chemical Engineering Journal, 167 (2011) pp. 409-415
E10 Role of Particle Size for Platinum-Loaded Tungsten Oxide Nanoparticles during Dye Photodegradation under Solar-Simulated Irradiation	A. Purwanto H. Widiyandari T. Ogi K. Okuyama	Catalysis Communications, 12 (2011) pp. 525-529
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E12 Direct room-temperature synthesis of a highly dispersed Pd nanoparticle catalyst and its electrical properties in a fuel cell	T. Ogi R. Honda K. Tamaoki N. Saitoh Y. Konishi	Powder Technology, 36 , 4 (2011) pp. 288-292
E13 Novel Rare-Earth-Free Tunable-Color-Emitting BCNO Phosphors	W.-N. Wang T. Ogi Y. Kaihatsu F. Iskandar K. Okuyama	Journal of Materials Chemistry, 21 (2011) pp. 5183-5189
E14 Synthesis of Uniformly Porous NiO/ZrO ₂ Particles	R. Balgis F. Iskandar T. Ogi A. Purwanto K. Okuyama	Materials Research Bulletin, 46 , 5 (2011) pp. 708-715

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E16 Intense green and yellow emissions from electrospun BCNO phosphor nanofibers	A.B. Suryamas M.M. Munir T. Ogi Khairurrijal K. Okuyama	Journal of Materials Chemistry, 21 (2011) pp. 12629-12631
E17 Surface functionalization for dispersing and stabilizing hexagonal boron nitride nanoparticle by bead milling	I. M. Joni R. Balgis T. Ogi K. Okuyama	Colloids and Surfaces A: Physicochemical and Engineering Aspects, 388 , 1-3 (2011) pp. 49-58
E18 Perpendicular easy axis alignment of FePt nanoparticles on a platinum-(001) substrate for high -density magnetic recording	I. Matsui T. Ogi F. Iskandar K. Okuyama	Journal of Applied Physics, 110 (2011) pp. 083906
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E20 Solubility of beta-diketonate complexes of copper(II) and cobalt(II) in supercritical carbon dioxide	Masahi Haruki Fumiya Kobayashi Shin-ichi Kihara Shigeki Takishima	Journal of Chemical and Engineering Data, 56 , 5 (2011) pp. 2230-2235
E21 Effect of molecular weight distribution on the liquid-liquid phase separation behavior of polydispersed polyethylene solutions at high temperatures	Masahi Haruki Kunio Nakanishi Shigemitsu Mano Shin-ichi Kihara Shigeki Takishima	Fluid Phase Equilibria, 305 , 2 (2011) pp. 152-160
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E25 Development of Polymer/Nanoparticle composite Materials Using High Pressure Fluids	Shin-ichi Kihara Masaaki Okamoto Ai Nagira Masashi Haruki Shigeki Takishima	Asian Joint Conference on Advanced Polymer Processing, (2011)
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E33 2-step plasma-enhanced CVD for low-temperature fabrication of silica membranes with high gas-separation performance	T. Tsuru H. Shigemoto M. Kanezashi T. Yoshioka	Chem. Commun., 47 (2011) pp. 8070-8072
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E39 Preparation of organic-inorganic hybrid silica membranes using organoalkoxysilanes: effect of pendant groups	G. Li M. Kanezashi T. Tsuru	J. Membr. Sci., 379 (2011) pp. 287-295
E40 Spacer technique for pore-size-controlled silica membranes with disiloxane alkoxides	H. R. Lee T. Shibata M. Kanezashi T. Mizumo J. Ohsita T. Tsuru	J. Membr. Sci., 383 (2011) pp. 152-158
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E42 Cobalt-doped silica membranes for pervaporation dehydration of ethanol/water solutions	J. Wang T. Tsuru	J. Membr. Sci., 369 (2011) pp. 13-19
E43 Synthesis and characterization of microporous ZrO ₂ membranes for gas permeation at 200°C	C. Casado T. Yokoo T. Yoshioka T. Tsuru M. Asaeda	Sep. Sci. and Technol., 46 (2011) pp. 1224-1230

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E45 Development of metal-doped silica membranes for increased hydrothermal stability and their applications to membrane reaction of steam reforming of methane	T. Tsuru	Journal of the Japan Petroleum Institute, 54 (2011) pp. 277-286
E46 Classification of Particles by Centrifugal Separator and Analysis of the Fluid Behavior	Tetsuya Yamamoto Tomohiko Shinya Kunihiro Fukui Hideto Yoshida	Advanced Powder Technology, 22 (2011) pp. 294-299
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E48 Investigation of Low-angle Laser Light Scattering Patterns Using the Modified Twomey Iterative Method for Particle Sizing	Tatsuo Igushi Hideto Yoshida	Review of Science Instruments, 82 (2011) pp. 015111
E49 Recent Particle Classification Technology in Wet Process by Electrical Potential	Hideto Yoshida	The 3rd Japan-Korea Joint Symposium on Powder Technology & ICRA Asian Workshop, (2011) pp. 21-32
E50 Theoretical Calculation of Uncertainty Region Based on the General Size Distribution in the Preparation of Standard Reference Particles for Particle Size Measurement	Hideto Yoshida Tetsuya Yamamoto Kunihiro Fukui	Particulate Systems Analysis, PSA-2011, (2011) pp. 1-6
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E52 Evaluation of erosion resistance for metal-ceramic composites and cermets using a water-jet	Yoshinori Isomoto Oka Hidenori Hayashi	Wear, 271 (2011) pp. 1397-1403
E53 Dynamic mechanical properties of oxide films formed on metallic surfaces as measured using a tribological approach at high temperature	Yoshinori Isomoto Oka Toshinori Tsumura	Advance in tribology (Hindavi Publishing Corporation), 2011 , Article 974065 (2011) pp. 1-12
E54 Monitoring of C60 Aerosol Concentrations During 4-week Inhalation Study Using a Carbon Aerosol Analyzer with Adjusted Analytical Protocol	T. Myojo T. Oyabu A. Ogami M. Hirohashi M. Murakami M. Yamamoto M. Todoroki C. Kadoya K. Nishi S. Yamasaki Y. Morimoto I. Tanaka M. Shimada S. Endoh	Journal of Nanoparticle Research, 13 , 5 (2011) pp. 2063-2071
E55 Investigation of Gene Expression of MMP-2 and TIMP-2 mRNA in Rat Lung in Inhaled Nickel Oxide and Titanium Dioxide Nanoparticles	Y. Morimoto T. Oyabu A. Ogami T. Myojo E. Kuroda M. Hirohashi M. Shimada W. Lenggoro K. Okuyama I. Tanaka	Industrial Health, 49 , 3 (2011) pp. 344-352

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E58 First evidence of microbial estrogen dehydration during 17 β -estradiol degradation by <i>Nitrosomonas europaea</i>	Satoshi Nakai Jianghong Shi Megumi Nishikawa Anri Yamamura Yutaka Nakashimada Masaaki Hosomi	Environmental Chemistry Letters, 9 , 1 (2011) pp. 1-6
E59 Polyphenols and fatty acids responsible for anti-cyanobacterial allelopathic effects of a submerged macrophyte <i>Myriophyllum spicatum</i>	Satoshi Nakai Norihiko Seto Tetsuji Okuda Wataru Nishijima Masaaki Hosomi Mitsumasa Okada	14th World Lake Conference, (2011)
E60 Feasibility of using the allelopathic effect of <i>Myriophyllum spicatum</i> for control of cyanobacterial growth	Satoshi Nakai Norihiko Seto Tetsuji Okuda Wataru Nishijima Masaaki Hosomi Mitsumasa Okada	The 4th IWA-ASPIRE Conference & Exhibition, (2011)
E61 Dissolved Organic Matter Consuming Chlorine in Water Distribution	Tetsuji Okuda Yuuki Hayashi Kousuke Ishikawa Satoshi Nakai Wataru Nishijima Naohiro Kishida Michihiro Akiba Mitsumasa Okada	The 4th IWA-ASPIRE Conference & Exhibition, October (2011) pp. 3-5

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E64 RECYCLING OF WASTE FRP AS FILLER FOR NEW FRP PRODUCTS	S. Nakai Y. Tokumou S. Tsukawaki T. Okuda W. Nishijima M. Okada	Proceedings of ISFR2011, (2011) pp. 165-166
E65 Use of waste gypsum for shear thickening of dredged soil by decarburization slag	Satoshi Nakai Masayuki Ozaki Tetsuji Okuda Wataru Nishijima Mitsumasa Okada	The 6th Joint China/Japan Chemical Engineering Symposium Open access (http://www.scej.org/content/view/1286/11/), (2011)
E66 HYBRID DEGRADATION of ALKYL-PHENOL ETHOXYLATE by OZONATION and BIODEGRADATION	Tetsuji Okuda Daisuke Okajima Masashi Hirosaki Tomoyuki Takeda Kenji Oda Satoshi Nakai Wataru Nishijima Mitsumasa Okada	IOA World Congress - IUVA World Congress 2011, (2011) pp. 317
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E68 Mapping water quality using satellite remote sensing technique in eutrophic Ozama-Isabela and Haina rivers of Dominican Republic	Yuji Sakuno Esteban R. Mi Satoshi Nakai Hidemi Mutsuda Tetsuji Okuda Wataru Nishijima Rolando Castro Amarilis Garcia Rosanna Pe Marcos Rodriguez Conrado Depratt G	VII International Interdisciplinary Scientific Research Congress, 81 (2011)
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G18 An Evaluation Method for the Remaining Strength of a Plate Girder with Local Corrosion under Sleepers	Mitsuo Fukuda Katashi Fujii Taishi Nakayama Shigeyuki Matsui	Proc. of The Twelfth East Asia-Pacific Conference on Structural Engineering and Construction (EASEC-12), 12 (2011)
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G32 Study on Landslide Risk Assessment of Valleys and Slopes during Heavy Rain Based on In-site Penetration Tests and Analysis	Shouichi Kawabata Takashi Tsuchida Shouta Nakagawa Takashi Hanaoka	10th 2011 International Conference on Civil and Environmental Engineering, ICCEE, (2011)
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I14 Finite element model of steel-concrete composite beam for high-precision seismic response analysis of four-story steel frame	Takuzo Yamashita Makoto Ohsaki Tomoshi Miyamura Masayoshi Kohiyama	Proc. Int. Symp. on Disaster Simulation & Structural Safety in the Next Generation (DS11), (2011)
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