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Published Papers

A. Mechanical System Engineering

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A1 Cracking and local melting in Mg-alloy and Al-alloy during friction stir spot welding	M. Yamamoto K. Shinozaki A. Gerlich T.H. North	Welding in the World, 52 , 9/10 (2008)
A2 Selection of Welding Parameter during Friction Stir Spot Welding	A. Gerlich M. Yamamoto T. Shibayanagi T. H. North	SAE-2008-01-0146, (2008)
A3 Prediction of Hot Cracking Initiation during Dissimilar Laser Welding	Peng Wen Kenji Shinozaki Motomichi Yamamoto Yusuke Kouno Yasutaka Senda	2008 KWJS Asian Symposium : Trend of Welding Mechanics, (2008)
A4 Cracking in dissimilar Mg alloy friction stir spot welds	M. Yamamoto A. Gerlich T. H. North K. Shinozaki	Science Technology of Welding and Joining, 13 , 7 (2008) pp. 583-592
A5 Study of Solidification Cracking in Laser Dissimilar Welded Joint by using In-situ Observation and 3D FEM-Analysis	Peng Wen Motomichi Yamamoto Yasutaka Senda Tomoko Tamura Kenji Shinozaki Norio Nemoto	IIW-DOC-IX-H-697-08, (2008)
A6 Low-pressure infiltration of molten metal to porous FeCrSi preform	Y. B. Choi K. Matsugi G. Sasaki S. Kondoh	Materials Transactions, 49 , 2 (2008) pp. 390-392
A7 Aging behaviors in AZ91D/Al18B4O33w composite fabricated by squeeze casting	W.G. Wang K. C. Chang K. Matsugi G. Sasaki	Materials Transactions, 49 , 3 (2008) pp. 637-642
A8 Effects of aging treatment on the bending strength in AZ91D/ Al18B4O33w composite	W.G. Wang W. L. Li K. C. Chang K. Matsugi G. Sasaki	Materials Transactions, 49 , 4 (2008) pp. 850-853
A9 Melting and solidification of TiNi alloys by cold crucible levitation method, and evaluation of their characteristics	K. Matsugi H. Mamiya Y. B. Choi G. Sasaki O. Yanagisawa	International Journal of Cast Metals Research, 21 , 1-4 (2008) pp. 156-161
A10 Effect of fiber surface structure on interfacial reaction for vapor grow carbon fiber reinforced aluminum matrix composite	G. Sasaki K. C. Chang Y. B. Choi K. Mastugi	Proc. of US-Japan Conf. on Composite Materials 2008, (2008) pp. HTC-6-1-HTC-6-5
A11 Electrical resistivity of carbon nanofiber/aluminum matrix composites	Z. F. Xu Y. B. Choi K. Matsugi D. C. Li G. Sasaki	ICCHT2008-4th Int. Conf. on Cooling and Heating Technologies, (2008) pp. 311-317
A12 Investigation on infiltration of molten aluminum into a metal fiber preform	Y. B. Choi K. Matsugi G. Sasaki S. H. Park W. J. Park	16th Annual Int. Conf. on Composites /Nano Engineering, (2008)

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A13 Infiltration analysis of molten metal to fibrous preform by low pressure casting and experimental evaluation	Y. B. Choi G. Sasaki K. Matsugi N. Sorida	3rd Int. Conf. on Materials and Processing, (2008) pp. MSEC_ICM & P2008-72157-72162
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A23 Double beta decay experiments and ν -mass sensitivities	H. Ejiri K. Fushimi Ryuta Hazama H. Nakamura T. Shima	Journal of Physics: Conference Series, 120 (2008) pp. 052050-052052
A24 Study of Double Beta Decay of ^{48}Ca with CANDLES	Y. Hirano T. Kishimoto I. Ogawa Ryuta Hazama S. Umehara K. Matsuoka G. Ito Y. Tsubota	Journal of Physics: Conference Series, 120 (2008) pp. 052053-052055
A25 MOON for next-generation neutrino-less double-beta decay experiment	T. Shima P. J. Doe H. Ejiri S. R. Elliot J. Engel M. Finger M. Finger Jr. K. Fushimi V. M. Gehman M. B. Greenfield Ryuta Hazama et al.	Journal of Physics: Conference Series, 120 (2008) pp. 052055-052057
A26 Double beta decay of ^{48}Ca studied by $\text{CaF}_2(\text{Eu})$ scintillators	S. Umehara T. Kishimoto I. Ogawa Ryuta Hazama H. Miyawaki S. Yoshida K. Matsuoka K. Kishimoto A. Katsuki H. Sakai D. Yokoyama K. Mukaida S. Tomii Y. Tatewaki T. Kobayashi A. Yanagisawa	Journal of Physics: Conference Series, 120 (2008) pp. 052058-052060
A27 Study of Design for CANDLES Trigger System	G. Ito T. Kishimoto I. Ogawa S. Umehara Y. Hirano Y. Tsubota K. Matsuoka Ryuta Hazama	Journal of Physics: Conference Series, 120 (2008) pp. 052061-052062
A28 Neutrino-less double- β decay of ^{48}Ca studied by $\text{CaF}_2(\text{Eu})$ scintillators	S. Umehara T. Kishimoto I. Ogawa Ryuta Hazama H. Miyawaki S. Yoshida K. Matsuoka K. Kishimoto A. Katsuki H. Sakai D. Yokoyama K. Mukaida S. Tomii Y. Tatewaki T. Kobayashi A. Yanagisawa	Physical Review, C, 78 (2008) pp. 058501-1-058501-4

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A29 Online International Community and Alumni Database by Free Open Source Software	Ryuta Hazama Yasuhide Ito Zhenisbek Assylbekov	2008 JSEE Annual Conference International Session Proceedings, (2008) pp. 76-79
A30 Molecular dynamics simulation of metal coating on single-walled carbon nanotube	Shuhei Inoue Yukihiko Matsumura	Chemical Physics Letters, 464 (2008) pp. 160-165
A31 Effect of catalyst combination on growth of single-walled carbon nanotubes	Shuhei Inoue Yoshihiro Kikuchi Yukihiko Matsumura	Diamond & Related Materials, 17 (2008) pp. 1888-1890
A32 Mass Spectroscopy of Chemical Reaction of 3d Metal Clusters Involved in Chemical Vapor Deposition Synthesis of Carbon Nanotubes	Shuhei Inoue Shigeo Maruyama	Japanese Journal of Applied Physics, 47 , 4 (2008) pp. 1931-1936
A33 Molecular dynamics simulation of physical vapor deposition of metals onto a vertically aligned single-walled carbon nanotube surface	Shuhei Inoue Yukihiko Matsumura	Carbon, 46 (2008) pp. 2046-2052
A34 Molecular Dynamics Simulation for Metal Deposition Process on Vertically Aligned Single-walled Carbon Nanotubes Film	Shuhei Inoue Yukihiko Matsumura	Proc of 7th JSME-KSME Thermal and Fluid Engineering Conference, (2008)
A35 Elucidation of Catalytic Pyrolysis for Synthesizing Single-walled Carbon Nanotubes by Using Local Heating Process	Kazuma Yamada Shuhei Inoue Yukihiko Matsumura	Proc of 14th International Congress on Catalysis, (2008)
A36 Effects of Catalyst Supporters for Synthesizing single-walled Carbon Nanotubes in Catalytic Pyrolysis Process	Kazuya Nomura Shuhei Inoue Yoshihiro Kikuchi Yukihiko Matsumura	Proc of 14th International Congress on Catalysis, (2008)
A37 Behavior of 5-HMF in Subcritical and Supercritical Water	Athika Chuntanapum Tau Len-Kelly Yong Shigeru Miyake Yukihiko Matsumura	Ind. Eng. Chem. Res., 47 (2008) pp. 2956-2962
A38 Gasification of Catalyst-Suspended Chicken Manure in Supercritical Water	Akifumi Nakamura Eiji Kiyonaga Yukimasa Yamamura Yoshihisa Shimizu Tomoaki Minowa Yoji Noda Yukihiko Matsumura	J. Chem. Eng. Jpn., 41 , 5 (2008) pp. 433-440
A39 Detailed Analysis of Heat and Mass Balance for Supercritical Water Gasification	Akifumi Nakamura Eiji Kiyonaga Yukimasa Yamamura Yoshihisa Shimizu Tomoaki Minowa Yoji Noda Yukihiko Matsumura	J. Chem. Eng. Jpn., 41 , 8 (2008) pp. 817-828
A40 Behavior of inorganic elements in poultry manure during supercritical water gasification	Takashi Yanagida Tomoaki Minowa Akifumi Nakamura Yukihiko Matsumura Yuji Noda	J. Jpn. Inst. Energy, 87 , 9 (2008) pp. 731-736
A41 A novel method to determine the heat of reaction for supercritical water gasification	Yukihiko Matsumura Taichi Horimoto	16th European Biomass Conference & Exhibition: From Research to Industry and Markets, Jun. 2-6, 2008, Feria Valencia, Spain, (2008)
A42 Reaction modeling on supercritical water gasification with suspended activated carbon catalyst	Yukihiko Matsumura Shotaro Hara Shuhei Inoue Tomoaki Minowa Yoji Noda Yoshihisa Shimizu	16th European Biomass Conference & Exhibition: From Research to Industry and Markets, Jun. 2-6, 2008, Feria Valencia, Spain, (2008)

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A43 Rheological behavior of chicken manure with suspended activated carbon as a feedstock of supercritical water gasification	Yukihiko Matsumura Yuji Kitagawa Shuhei Inoue Tomoaki Minowa Takashi Noguchi Yoji Noda Yoshihisa Shimizu	16th European Biomass Conference & Exhibition: From Research to Industry and Markets, Jun. 2-6, 2008, Feria Valencia, Spain, (2008)
A44 Material recovery from solid and liquid residue of supercritical water gasification with chicken manure as by-product utilization	Takashi Yanagida Tomoaki Minowa Akifumi Nakamura Yukihiko Matsumura Yoji Noda	16th European Biomass Conference & Exhibition: From Research to Industry and Markets, Jun. 2-6, 2008, Feria Valencia, Spain, (2008)
A45 Optimization of hydrothermal pretreatment of lignocellulosic materials for 2nd generation bioethanol production	Yukihiko Matsumura Daisuke Ikahisa Phacharakamol Petchpradab Koichi Yoshino Tawatchai Charinpanitkul	16th European Biomass Conference & Exhibition: From Research to Industry and Markets, Jun. 2-6, 2008, Feria Valencia, Spain, (2008)
A46 Aspects important to Asian biomass utilization and activities of Asia Biomass Association	Yukihiko Matsumura	Proc. Int. Seminar on Rural Biomass Energy & ASEAN Plus Three (China, Japan and Korea) Forum on Biomass Energy, Jun. 18-21, Beijing, China, (2008) pp. 122-127
A47 Saccharification of rubber wood residue by hydrothermal pretreatment	Phacharakamol Petchpradab Tawatchai Charinpanitkul Nara Suankaew Yoshida Takuya Yukihiko Matsumura	Prep. International Symposium on Environmental Management: Hazardous Environmental Management toward Sustainability Sep. 22-23, 2008, Nakorn Nayok, Thailand., (2008) pp. 52
A48 Comparative Study on Contact Devices used in the Chemical Humidity Conditioning System	Risa Aikawa Yukihiko Matsumura Hiroyuki Kitahara	The 7th KSME-JSME Thermal and Fluids Engineering Conference, Oct. 13-16, 2008, Sapporo, Japan., (2008)
A49 Heat of Reaction of Methanol Oxidation in Supercritical Water	GoTsujiimoto Yukihiko Matsumura	Proc. 7th KSME-JSME Thermal and Fluids Engineering Conference, Oct. 13-16, 2008, Sapporo, Japan, (2008)
A50 Hydrothermal pretreatment of rubber wood for ethanol production	Yukihiko Matsumura Takuya Yoshida Minoru Nakashima Phacharakamol Petchpradab Tawatchai Charinpanitkul	AICHE 2008 100th Anniversary Meeting, Nov. 16-21, 2008, Pennsylvania, USA., (2008)
A51 Hydrothermal pretreatment of Eucalyptus globules	Yukihiko Matsumura Takuya Yoshida Minoru Nakashima	5th Biomass Asia Workshop, Dec. 4-6, 2008, Guangzhou, China, (2008)
A52 Hydrothermal Treatment of Biomass for Sustainable Development	Yukihiko Matsumura	International Conference on Environment 2008, Dec. 15-17, 2008, Penan, Malaysia, (2008)
A53 NO Reduction in Rapidly-Mixed Tubular Flame Combustion	Daisuke Shimokuri Satoru Ishizuka	Proceedings of the 7th JSME-KSME Thermal and Fluids Engineering Conference, JSME, 08-211 , GST10-3 (2008) pp. D213-1-D213-4
A54 Spray and Mixture Properties of Evaporating Fuel Spray Injected by Hole-Type Direct Injection Diesel Injector	Keiya Nishida Jian Gao Tetsuya Manabe Yuyin Zhang	International Journal of Engine Research, 9 , 4 (2008) pp. 347-360

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A55 An Experimental Study on Flat-Wall-Impinging Spray of Microhole Nozzles under Ultra-High Injection Pressures	Wu Zhang Keiya Nishida Jian Gao Daisuke Miura	Proceedings of Institute of Mechanical Engineers, Part D: Journal of Automobile Engineering, 222 , 9 (2008) pp. 1731-1741
A56 An Experimental Study on Mixture Formation Process of Flat Wall Impinging Spray Injected by Micro-Hole Nozzle under Ultra-High Injection Pressure	Wu Zhang Keiya Nishida Jian Gao Daisuke Miura	SAE Technical Paper, No.2008-01-1601 (2008) pp. 1-7
A57 Ignition and Combustion Characteristics of Wall-Impinging Sprays Injected by Group-Hole Nozzles for Direct-Injection Diesel Engines	Seoksu Moon Jian Gao Yuyin Zhang Keiya Nishida Yuhei Matsumoto	SAE Technical Paper, No.2008-01-2469 (2008) pp. 1-15
A58 Spray Evaporation and Combustion Characteristics of Group-Hole Nozzle for D.I. Diesel Engines	Yuhei Matsumoto Jian Gao Makoto Namba Keiya Nishida	Proceedings of the Seventh International Conference on Modeling and Diagnostics for Advanced Engine Systems, SC1-4 (2008) pp. 383-390
A59 Mixture Formation Process of Wall-Impinging Spray by D.I. Gasoline Injector (Comparison between Experiment and CFD Calculation)	Kiyotaka Sato Tadashi Tadokoro Hideaki Yokohata Masahisa Yamakawa Keiya Nishida	Proceedings of the Seventh International Conference on Modeling and Diagnostics for Advanced Engine Systems, SC3-3 (2008) pp. 437-444
A60 Effect of Temporal and Spatial Splitting of Fuel Injection on Mixture Formation in D.I. Diesel Spray	Keiya Nishida Yuhei Matsumoto Seoksu Moon Jian Gao	CD-ROM Proceedings of the 3rd International Symposium on Clean and High-Efficiency Combustion in Engines, ISCE 2008, (2008)
A61 Photoionized Xenon Cluster Plasmas Generated by a Soft X-ray Laser Pulse	S. Namba K. Takiyama N. Hasegawa M. Kishimoto M. Nishikino T. Kawachi K. Sukegawa H. Yamatani M. Tanaka Y. Ochi K. Nagashima	J. Phys. Conf. Series, 112 (2008) pp. 042057
A62 Characterization of out-of-band radiation and plasma parameters in laser-produced Sn plasmas for extreme ultraviolet lithography light sources	S. Namba S. Fujioka H. Sagaguchi H. Nishimura Y. Yasuda K. Nagai N. Miyanaga Y. Izawa K. Mima K. Sato K. Takiyama	J. Appl. Phys., 104 (2008) pp. 013305
A63 Effect of Disalignment due to Electron Collision on Laser-Induced Fluorescence Polarization Spectroscopy for Measuring Electric Field in Plasmas	S. Furukawa S. Namba K. Takiyama T. Oda	Jpn. J. Appl. Phys., 47 (2008) pp. 8570-8575

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A64 Absolute evaluation of out-of-band radiation from laser produced Sn plasma for extreme ultraviolet lithography application	H. Sagaguchi S. Fujioka S. Namba H. Tanuma H. Ohashi S. Suda M. Shimomura Y. Nagai Y. Kimura Y. Yasuda H. Nishimura T. Norimatsu K. Nishihara N. Miyanaga Y. Izawa K. Mima A. Sunahara	Appl. Phys. Lett., 92 (2008) pp. 111503
A65 A preliminary study on the use of ^{10}Be in forensic radioecology	N.E. Whitehead S. Endo K. Tanaka T. Takatsuji M. Hoshi S. Fukutani R.G. Ditchburn A.Zondervan	J. Environ. Radio. Act. , 99 (2008) pp. 260-270
A66 Iodine-129 measurement in soil samples from Dolon village near the Semi-palatinsk nuclear test site,	S. Endo J. Tomita K. Tanaka M. Yamamoto S. Fukutani T. Imanaka A. Sakaguchi H. Amano H. Kawamura H. Kawamura K. N. Apsalikov B. I. Gusev N. E. Whitehead S. Shinkarev M. Hoshi	Radiat. Environm. Biophys. , 47 (2008) pp. 359-365
A67 Gamma-ray exposure from neutron-induced radionuclides in soil in Hiroshima and Nagasaki based on DS02 calculations	T. Imanaka S. Endo K. Tanaka K. Shizuma	Radiat. Environm. Biophys. , 47 (2008) pp. 323-330
A68 Growth retardation and death of rice plants irradiated with carbon ion beams is preceded by very early dose- and time-dependent gene expression changes	R. Rakwal S. Kimura J. Shibato K. Nojima Yeon-Ki Kim B. H. Nahm Nam-Soo Jwa S. Endo K. Tanaka H. Iwahashi	Mol. Cells 25 (2), 272-278, 2008., 25 (2008) pp. 272-278
A69 Intercomparison study on ^{152}Eu gamma ray and ^{36}Cl AMS measurements for development of the new Hiroshima-Nagasaki atomic bomb dosimetry system 2002 (DS02)	M. Hoshi S. Endo K. Tanaka M. Ishikawa T. Straume K. Komura W. Ruehm E. Nolte T. Huber Y. Nagashima R. Seki K. Sasa K. Sueki H. Fukushima S. D. Egbert T. Imanaka	Radiat Environ Biophys. , 47 (2008) pp. 313-322

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A70 Skin dose from neutron-activated soil for early entrants following the A-bomb detonation in Hiroshima: contribution from β and γ rays	K. Tanaka S. Endo T. Imanaka K. Shizuma H. Hasai M. Hoshi	Radiat Environ Biophys. , 47 (2008) pp. 331-336
A71 Measurement of absorbed doses from X-ray baggage examinations to tooth enamel by means of ESR and glass dosimetry	K. Zhumadilov V. Stepanenko A. Ivannikov Z. Zhumadilov D. Zharlyganova S. Toyoda K. Tanaka S. Endo M. Hoshi	Radiat. Environ. Biophys. , 47 (2008) pp. 541-545
A72 Experimental derivation of relative biological effectiveness of A-bomb neutrons in Hiroshima and Nagasaki and implications for risk assessment	M. S. Sasaki T. Nomura Y. Ejima H. Utsumi S. Endo I. Saito T. Itoh M. Hoshi	Radiat. Res. , 170 (2008) pp. 101-117
A73 Spatial distribution of soil contamination by ^{137}Cs and $^{239,240}\text{Pu}$ in the village of Dolon near the Semipalatinsk nuclear test site: New information on traces of the radioactive plume from the 29 August 1949 nuclear test	M. Yamamoto J. Tomita A. Sakaguchi T. Imanaka S. Fukutani S. Endo K. Tanaka M. Hoshi B. I. Gusev A. N. Apsalikov	Health Phys. , 94 , 4 (2008) pp. 328-337
A74 Q_{β} measurements of $^{158,159}\text{Pm}$, $^{159,161}\text{Sm}$, $^{160-165}\text{Eu}$, ^{163}Gd and ^{166}Tb using a total absorption	H. Hayashi Y. Akita O. Suematsu M. Shibata M. Asai T.K. Sato S. Ichikawa I. Nishinaka Y. Nagame A. Osa K. Tsukada T. Ishii Y. Kojima A. Taniguchi	Eur. Phys. J. A, 34 (2008) pp. 363-370
A75 Search for isomeric transitions in fission products around mass number 150	Y. Kojima M. Shibata A. Taniguchi A. Murataka K. Ota K. Shizuma	Proc. Int. Conf. on Nuclear Data for Science and Technology 2007, (2008) pp. 115-118
A76 Q_{β} measurements of neutron-rich isotopes with a total absorption type Ge detector using the KUR-ISOL	H. Hayashi Y. Akita I. Miyazaki M. Shibata Y. Kojima A. Taniguchi	Proc. Int. Conf. on Nuclear Data for Science and Technology 2007, (2008) pp. 131-134

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A77 Volatile elements production rates in a proton-irradiated molten lead-bismuth target	Y. Tall S. Cormon M. Fallo Y. Foucher A. Guertin T. Kirchner L. Zanini M. Andersson K. Berg H. Franberg F. Groschel E. Manfrin W. Wagner M. Wohlmuther P. Everaerts U. Koester H. Ravn E. Noah Messomo C. Jost Y. Kojima	Proc. Int. Conf. on Nuclear Data for Science and Technology, (2008) pp. 1069-1072
A78 3-D FEM Stress Analysis and Strength of Adhesive-Rivets Combination Joints under Static and Impact In-plane Bending Moments	Ryo Nogaito Toshiyuki SAWA Atsushi KARAMI	Proc. ASME International Mechanical Engineering Congress and Exposition 2008, (2008)
A79 A Study on Evaluation of Impact Strength of Adhesive Joints Subjected to Impact Shear Loadings	Toshimasa NAGAI Toshiyuki SAWA Takeshi IWAMOTO Hideaki KURAMOTO	Proc. ASME International Mechanical Engineering Congress and Exposition 2008, (2008)
A80 A Three-Dimensional Finite Element stress Analysis of Plane-Woven CFRP Adhesive Laminated Plates and Hollow Cylinder under Out-of-plane Loading	Yukiya NOSHITA Toshiyuki SAWA Takeshi IWAMOTO	Proc. ASME International Mechanical Engineering Congress and Exposition 2008, (2008)
A81 The Effect of Clamping Force and Material Properties on the Tightness Performance a Flexible Box-shaped Flange Bolted Joint	Ryo Kurosawa Toshiyuki SAWA Yasuaki TATSUMI Satoshi NAGATA	Proc. ASME PVP 2008 Pressure Vessels and Piping Conference, (2008)
A82 Stress Characteristics of Large Diameter Pipe Flange Connection with Non-asbestos Gasket under Elevated Temperature	Yoshio TAKAGI Toshiyuki SAWA Naoki KAWASAKI	Proc. ASME PVP 2008 Pressure Vessels and Piping Conference, (2008)
A83 Mechanical Behavior of Rotational screw Thread Loosening in Bolted Joints under Repeated Temperature Changes	Toshiyuki SAWA Yusuke FUKUBA Mitsutoshi ISHIMURA Yasumasa SHOJI	Proc. ASME PVP 2008 Pressure Vessels and Piping Conference, (2008)
A84 FEM Stress Analysis and Sealing Performance Evaluation in Pipe Flange Connections with Spiral Wound Gaskets subjected to External Bending Moments (Case Where Internal Fluid is Liquid)	Toshiyuki SAWA Takeshi IWAMOTO Kensuke FUNADA Yuya OMIYA	Proc. ASME PVP 2008 Pressure Vessels and Piping Conference, (2008)
A85 Stress Analysis and Sealing Performance Evaluation of Pipe Flange Connection at Evaluated Temperature	Yoshio TAKAGI Hiroyasu TORII Toshiyuki SAWA Naoki KAWASAKI	Proc. ASME PVP 2008 Pressure Vessels and Piping Conference, (2008)
A86 Effects of Temperature Change on Bolt Load and Gasket Load of Bolted Flange Connections	Satoshi NAGATA Toshiyuki SAWA	Proc. ASME PVP 2008 Pressure Vessels and Piping Conference, (2008)
A87 Self-Loosening Mechanism of Nuts due to Impacts	Yasumasa SHOJI Toshiyuki SAWA	Proc. ASME PVP 2008 Pressure Vessels and Piping Conference, (2008)
A88 Stress analyses and strength estimations of some adhesive joints	Toshiyuki SAWA	Proc. The International Conference on Advanced Computational Engineering and Experimenting 2008, (2008)
A89 Two-dimensional stress analysis of adhesive joints subjected to cleavage loads	Masahiko AMAKURA Toshiyuki SAWA Takeshi IWAMOTO	Proc. The International Conference on Advanced Computational Engineering and Experimenting 2008, (2008)

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A90 3-D FEM stress analysis of stepped-lap adhesive joint under static and impact tensile loadings	Kohei ICHIKAWA Yuichiro SHIN Toshiyuki SAWA	Proc. The International Conference on Advanced Computational Engineering and Experimenting 2008, (2008)
A91 A Numerical study of fibrous tissue formation type I collagen under mechanical stimuli by reaction – diffusion equations with motion of fibroblasts	Takeshi IWAMOTO Toshio TSUTA Toshiyuki SAWA	The Open Mechanics Journal, 2 (2008) pp. 47-56
A92 A Finite Element-based Level-set Method of an Interface Motion Driven by a Diffusion Field: Application to a Phase Transformation Problem	Takeshi IWAMOTO Mohammed Cherkaoui Esteban P. Busso	Computational Materials Science, 44, 2 (2008) pp. 792-801
A93 Dynamic Characteristics of Simple Cylindrical Hydraulic Engine Mount Utilizing Air Compressibility	Kzunari Nakahara Noritoshi Nakagawa Katsutoshi Ohta	Journal of System Design and Dynamics, 2, 5 (2008) pp. 1118-1136
A94 Eigenvalue Analysis for Structure of Centrifugal Fan	Takeo Fujii Ryuji Matsushita Noritoshi Nakagawa	Proc. of 15th International Congress on Sound and Vibration, (2008)
A95 Removal of Dust on Flat Board by Device of Focusing Ultrasonic Waves	Noritoshi Nakagawa Chaoqun Wu Yasuhisa Sekiguchi Yusuke Konishi	Proc. of the 9th International Congress on Motion and Vibration Control, (2008)
A96 Computational Simulation of Automotive Muffler Radiation Noise	Takashi Yasuda Noritoshi Nakagawa Chaoqun Wu Naoki Nakamura Masao Uchiyama	Proc. of 37th International Congress and Exposition on Noise Control Engineering (inter-noise 2008), (2008)
A97 Development of Damage Diagnosis on a Gear Tooth Surface by Using Laser Beam Reflection	Eiichirou Tanaka Kazuteru Nagamura Kiyotaka Ikejo Tatsuro Sugiyama Ryozo Nemoto	Proceeding of the International Conference on Noise and Vibration Engineering (ISMA2008), Leuven, Belgium, (2008)
A98 Autonomous Specialization in a Multi-Robot System based on Artificial Evolution	Toshiyuki Yasuda Tomoya Matsuda Yuichi Kawamatsu Yoshiyuki Matsumura Kazuhiro Ohkura	Proceedings of the 5th International Conference on Ubiquitous Robots and Ambient Intelligence, (2008) pp. 108-113
A99 Evolutionary Robotics Approach to Autonomous Task Allocation for a Multi-Robot System	Kazuhiro Ohkura Yoshiyuki Matsumura Toshiyuki Yasuda Tomoya Matsuda	Proceedings of Artificial Neural Networks in Engineering 2008, Intelligent Engineering Systems Through Artificial Neural Networks, 18 (2008) pp. 121-128
A100 Hybrid Optimization based on Fast Evolution Strategies and Particle Swarm Optimization”, Proceedings of the 3rd International Conference on Bioinspired Optimization Methods and their Applications	Chunshi Feng Yoshiyuki Matsumura Takahiro Hamashima Kazuhiro Ohkura Shuang Cong	Proceedings of the 3rd International Conference on Bioinspired Optimization Methods and their Applications, (2008) pp. 29-39
A101 Application of Grid Task Scheduling Algorithm to Evolutionary Multi-robotics Problems	Yoshiyuki Matsumura Masaki Matsuda Masashi Oiso Kazuhiro Ohkura Noriyuki Fujimoto	Proceedings of World Automation Congress 2008, (2008)
A102 Swarm Robot Control by Evolving Artificial Neural Networks with Small World Topologies	Kazuhiro Ohkura Tomoya Matsuda Toshiyuki Yasuda Yoshiyuki Matsumura	Proceedings of Joint 4th International Conference on Soft Computing and Intelligent Systems and 9th International Symposium on Advanced Intelligent Systems, (2008) pp. 1888-1893

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A103 Hybrid Optimization Based on (μ, λ) -Evolution Strategies and Particle Swarm Intelligence	Chunshi Feng Yoshiyuki Matsumura Takahiro Hamashima Kazuhiro Ohkura Shuang Cong	Proceedings of Joint 4th International Conference on Soft Computing and Intelligent Systems and 9th International Symposium on Advanced Intelligent Systems, (2008) pp. 849-854
A104 Hybrid Optimization based on Evolution Strategies and Particle Swarm Optimization	Takahiro Hamashima Yoshiyuki Matsumura Chunshi Feng Kazuhiro Ohkura Shuang Cong	Proceedings of China-Japan Joint Conference on Mechatronics, (2008) pp. 104-105
A105 Reinforcement Learning Technique with an Adaptive Action Generator for a Multi-Robot System	Toshiyuki Yasuda Kazuhiro Ohkura	Proceedings of From Animals to Animats 10, the 10th International Conference on Simulation of Adaptive Behavior, LNCS5040, (2008) pp. 250-259
A106 Application of Grid Task Scheduling Algorithm R3Q to Evolutionary Multi-robotics Problem	Masashi Oiso Yoshiyuki Matsumura Kazuhiro Ohkura Noriyuki Fujimoto	Proceedings of 2008 IEEE Congress on Evolutionary Computation, (2008) pp. 1520-1527
A107 A Robust Scheduling Rule using a Neural Network in Dynamically Changing Job Shop Environments	Toru Eguchi Fuminori Oba Satoru Toyooka	International Journal of Manufacturing Technology and Management, 14 , 3/4 (2008) pp. 266-288
A108 Bi-criteria Dynamic Job Shop Scheduling to Meet Due-dates and Minimize Setup Time	Toru Eguchi Hiroaki Kawai Takeshi Murayama Fuminori Oba	Proceedings of the 2008 International Symposium on Flexible Automation, (2008)
A109 Gain-Scheduled Controller Synthesis Based on New LMIs for Dissipativity of Descriptor LPV Systems	Izumi Masubuchi Atsushi Suzuki	Proceedings of the 17th IFAC World Congress, (2008) pp. 9993-9998
A110 An LMI based scheduling algorithm for constrained stabilization problems	Nobutaka Wada Masami Saeki	Systems and Control Letters, 57 (2008) pp. 255-261
A111 Tracking Control with Saturating Actuators: A Method Based on State-Dependent Gain-Scheduling and Reference Management	Nobutaka Wada Masami Saeki	Proceedings of the 17th IFAC World Congress, (2008)
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A120 A new algorithm for reduction of number of press-forming stages in forging processes using numerical optimization and FE simulation	Ryutaro Hino Akihiko Sasaki Fusahito Yoshida Vassili V. Toropov	International Journal of Mechanical Sciences, 50 , 5 (2008) pp. 974-983
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B6 A fuzzy DEA model and its application to bank efficiency evaluation	Yoshiki Uemura Kosuke Kato Masatoshi Sakawa	Proceedings of Joint 4th International Conference on Soft Computing and Intelligent Systems and 9th International Symposium on advanced Intelligent Systems, (2008) pp. 959-962
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B16 Network formation analysis with general allocation procedures of the link costs	Tomohiro Hayashida Ichiro Nishizaki Hideki Katagiri	The Open Cybernetics and Systemics Journal, 2 (2008) pp. 263-268
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B34 Optimal synthesis of state-estimate feedback controllers with minimum l2-sensitivity	Takao Hinamoto Takuro Kawagoe	IEEE Trans. on Circuits and Systems I: Regular Papers, 55 , 10 (2008) pp. 2032-2040

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B37 Tracking analysis of an adaptive IIR notch filter using gradient-based algorithm	Aloys Mvuma Shotaro Nishimura Takao Hinamoto	Proc. 2008 IEEE Int. Symp. on Circuits and Systems, (2008) pp. 1148-1151
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B39 Design for IIR digital filters with discrete coefficients using weighted modified least-square criterion	Masayoshi Nakamoto Yuuki Hayakawa Yutaka Kurumaji Takao Hinamoto	Proc. 23rd Int. Tech. Conf. on Circuits/Systems, Computers and Communications, (2008) pp. 1049-1052
B40 Minimization of frequency-weighted l2-sensitivity subject to l2-scaling constraints for MIMO linear discrete-time systems using quasi-Newton algorithm	Takao Hinamoto Osamu Tanaka Akimitsu Doi	Proc. 4th European Conf. on Circuits and Systems for Communications, (2008) pp. 46-49
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B42 Two-dimensional state-space digital filters with minimum frequency-weighted l2-sensitivity under l2-scaling constraints	Takao Hinamoto Toru Oumi Osemekhian I. Omoifo Wu-Sheng Lu	Proc. 51th 2008 IEEE Int. Midwest Symp. on Circuits and Systems, (2008) pp. 850-853
B43 Tracking characteristics of an adaptive IIR notch filter for sinusoidal frequency variation	Aloys Mvuma Shotaro Nishimura Takao Hinamoto	Proc. 51th 2008 IEEE Int. Midwest Symp. on Circuits and Systems, (2008) pp. 858-861
B44 Jointly optimized error-feedback and realization for roundoff noise minimization in state-estimate feedback digital controllers	Takao Hinamoto Kejiro Kawai Masayoshi Nakamoto Wu-Sheng Lu	Proc. 16th European Signal Processing Conf., (2008)
B45 Minimization of L2-sensitivity for state-estimate feedback controllers subject to L2-scaling constraints using quasi-Newton method	Takao Hinamoto Takuro Kawagoe	Proc. 2008 Int. Symp. On Non-linear Theory and its Applications, (2008) pp. 33-36
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B52 Inventory Control in a two-echelon dual-channel supply chain with setup of production and delivery	Takahiro Aoi Daisuke Hirofani Katsumi Morikawa Katsuhiko Takahashi	Proceeding of the 15th International Symposium on Inventories, (2008)

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B63 Asymptotic expansion formula for the maximum of solutions to diffusive logistic equation	Tetsutaro Shibata	Electronic Journal of Differential Equations, 2008 , 161 (2008) pp. 1-7
B64 Asymptotic behavior of bifurcation branch of positive solutions for semilinear Sturm-Liouville problems	Tetsutaro Shibata	Annales Henri Poincare, 9 (2008) pp. 1217-1227
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B66 Multi-load level reactive power planning considering slow and fast VAR devices by means of particle swarm optimization	Mehdi Eghbal Naoto Yorino E.E. El-Araby Yoshifumi Zoka	IET Generation, Transmission & Distribution, 2 , 5 (2008) pp. 743-751
B67 Application and Comparison of Metaheuristic Techniques to Reactive Power Planning	Mehdi Eghbal Naoto Yorino Yoshifumi Zoka E.E. El-Araby	IEEJ Transactions on Electrical and Engineering, 3 , 6 (2008) pp. 721-730

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B69 Application of Evolutionary Multi Objective Optimization Algorithm to Optimal VAR Expansion and ATC Enhancement Problems	Mehdi Eghbal Naoto Yorino Yoshifumi Zoka E.E. El-Araby	International Journal of Innovations in Energy Systems and Power, 3 , 2 (2008) pp. 6-11
B70 Dynamic Security Constrained VAR Planning for Competitive Environments	Naoto Yorino Mehdi Eghbal E.E. El-Araby Yoshifumi Zoka	Proc. of Power and Energy Society General Meeting, (2008) pp. 1-8
B71 Application of Evolutionary Multiobjective Optimization Algorithm to Optimal VAR Expansion and ATC Enhancement Problem	Mehdi Eghbal Naoto Yorino E.E. El-Araby Yoshifumi Zoka	Proc. of 16th Power System Computation Conference 2008, (2008) pp. 14-18
B72 Transient Stability Assessment as Boundary Value Problem	Ardyono Priyadi Naoto Yorino Mehdi Eghbal Yoshifumi Zoka Yutaka Sasaki Hajime Yasuda Hironori Kakui	Proc. of Electrical Power and Energy Conference (EPEC2008), (2008) pp. 6-7
B73 Optimal VAR Expansion Considering ATC Using Strength Pareto Evolutionary Algorithm	Mehdi Eghbal Naoto Yorino E.E. El-Araby Yoshifumi Zoka	Proc. of North American Power Symposium 2008 (NAPS2008), (2008)
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B85 Bio-mimetic Impedance Control of Robotic Manipulator for Dynamic Contact Tasks	Toshio Tsuji Yoshiyuki Tanaka	Robotics and Autonomous Systems, 56 , 4 (2008) pp. 306-316
B86 Energy Transmission Transformer for a Wireless Capsule Endoscope: Analysis of Specific Absorption Rate and Current Density in Biological Tissue	Kenji Shiba Tomohiro Nagato Toshio Tsuji Kohji Koshiji	IEEE Transactions on Biomedical Engineering, 55 , 7 (2008) pp. 1864-1871
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B93 A SPEECH SYNTHESIZER USING FACIAL EMG SIGNALS	Toshio Tsuji Nan Bu Jun Arita Makoto Ohga	International Journal of Computational Intelligence and Applications, 7, 1 (2008) pp. 1-15
B94 Parameter Estimation of Paramecium Model using Real-coded Genetic Algorithm	Akira Hirano Zu Soh Toshio Tsuji Noboru Takiguchi Hisao Ohtake	The 13th International Symposium on Artificial Life and Robotics, (2008) pp. 35-40
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B107 EMG Pattern Classification using Hierarchical Network based on Boosting Approach	Masaru Okamoto Yukihiro Matsubara Keisuke Shima Toshio Tsuji	2008 International Symposium on Intelligent Informatics (ISII2008), (2008)
B108 Neuro-based Pattern Classification Method for EMG Signals not Belonging to Predefined Classes	Masaru Okamoto Yukihiro Matsubara Nan Bu Toshio Tsuji	Proceedings of 11th International Conference on Human and Computers (HC-2008), (2008) pp. 163-168
B109 Development of a Training-Assist Robotic System Adapting to Individual Motor Abilities in Virtual Tennis Task	Masataka Ishii Yoshiyuki Tanaka Toshio Tsuji Nobuaki Imamura	Proceedings of the 4th International Workshop on Computational Intelligence and Applications 2008 (IWCIA 2008), (2008) pp. 179-184
B110 Automatic Scratching Pattern Detection for Laboratory Mice Using High-Speed Video Images	Idaku Ishii Shogo Kurozumi Kensuke Orito Hiroshi Matsuda	IEEE Transactions on Automation Science and Engineering, 5 , 1 (2008) pp. 176-182
B111 High-speed Video Analysis of Laboratory Rats Behaviors in Forced Swim Test	Yuman Nie Idaku Ishii Kenkichi Yamamoto Takeshi Takaki Kensuke Orito Hiroshi Matsuda	IEEE Conference on Automation Science and Engineering, (2008)

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C2 Optimal Initialization for the 1-Dimensional Reconfigurable Mesh	Koji Nakano	Proc. of International Conference on Applications and Principles of Information Science, (2008) pp. 322-325

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C4 Component Labeling for k-Concave Binary Images Using an FPGA	Yasuaki Ito Koji Nakano	Proc. of Workshop on Advances in Parallel and Distributed Computational Models, (2008)
C5 Optimized Component Labeling Algorithm for using in Medium Sized FPGAs	Yasuaki Ito Koji Nakano	Proc. of International Conference on Parallel and Distributed Computing, Applications and Technologies, (2008) pp. 171-176
C6 An Error Diffusion Based Algorithm for Hiding an Image in Distinct Two Images	Xia Zhuge Koji Nakano	Proc of Internatinal Conference on Computer Science and Software Engineering, (2008) pp. 684-687
C7 Processor, Assembler, and Compiler Design Education using an FPGA	Koji Nakano Yasuaki Ito	Proc. of International Conference on Parallel and Distributed Systems, (2008) pp. 723-728
C8 The Impact of Backup Routes on the Routing and Wavelength Assignment Problem	Simone Chagas Eber Cayo Koji Nakano Jacir Bordim	Proc. of Network Centric Ubiquitous Systems , (2008) pp. 519-523
C9 MAC Layer Misbehavior on Ad Hoc Networks	Nicole Nagel Ruzbeh Shokranian Jacir Bordim Koji Nakano	Proc. of Network Centric Ubiquitous Systems, 538 , 542 (2008)
C10 A Tiny Processing System for Education and Small Embedded Systems on the FPGAs	Koji Nakano Kensuke Kawakami Koji Shigemoto Yuki Kamada Yasuaki Ito	Proc. of Embedded Software Optimization, (2008) pp. 472-479
C11 Accelerating Montgomery Modulo Multiplication for Redundant Radix-64k Number System on the FPGA using Dual-Port Block RAMs	Koji Shigemoto Kensuke Kawakami Koji Nakano	Proc. of International Conference on Embedded and Ubiquitous Computing, (2008) pp. 44-51
C12 Redundant Radix-2 ^r Number System for Accelerating Arithmetic Operations on the FPGAs	Kensuke Kawakami Koji Shigemoto Koji Nakano	Proc. of International Conference on Parallel and Distributed Computing, Applications and Technologies, (2008) pp. 370-377
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C14 A New Caching Technique to Support Conjunctive Queries in P2P DHT	Koji Kobatake Shigeaki Tagashira Satoshi Fujita	IEICE Trans. Information and Systems, E91-D , 4 (2008) pp. 1023-1031
C15 Dense Skip Graphs as an Overlay for P2p Networks	Satoshi Fujita	Proc. International Conference on Parallel and Distributed Computing and Systems (PDCS2008), (2008) pp. 303-306
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C19 Dynamic and Secure User Management in Networked Consumer Electronics	Tatsuya Tokunaga Satoshi Fujita	Proc. the 2008 International Conference on Parallel and Distributed Processing Techniques and Applications (PDPTA 2008), 2 (2008) pp. 451-457
C20 Maximum Connected Domatic Partition of Directed Path Graphs with Single Junction	Masaya Mito Satoshi Fujita	Computing and Combinatorics, 14th Annual International Conference, COCOON 2008, LNCS, 5092 (20

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C33 Experimental study on performance of view-based pose estimation	Toru Tamaki Hiroyuki Okugawa Toshiyuki Amano Kazufumi Kaneda	Proc. of FCV2008 ; the 14th Korea-Japan Joint Workshop on Frontiers of Computer Vision, (2008) pp. 428-433
C34 Comparative study of path normalization for path prediction	Yuji Shinomura Tomotaka Harano Toru Tamaki Toshiyuki Amano Kazufumi Kaneda Seiichi Uchida	Proc. of FCV2008 ; the 14th Korea-Japan Joint Workshop on Frontiers of Computer Vision, (2008) pp. 284-289
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C36 Non-rigid Image Registration for Medical Diagnosis Using Free-form Deformation with Multiple Grids	Toru Higaki Kazufumi Kaneda Toru Tamaki Nobutaka Date Shogo Azemoto	Journal of the IIEEJ, 37 , 3 (2008) pp. 286-292
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C47 A Recursive Padding Technique on Nondeterministic Cellular Automata	Chuzo Iwamoto Harumasa Yoneda Kenichi Morita Katsunobu Imai	IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, E91-A , 9 (2008) pp. 2335-2340
C48 Reversible computing and cellular automata - A survey	Kenichi Morita	Theoretical Computer Science, 395 , 1 (2008) pp. 101-131
C49 A 24-state universal one-dimensional reversible cellular automaton	Kenichi Morita	Proc. AUTOMATA 2008, Luniver Press, (2008) pp. 106-112
C50 Computing by swarm network	Teijiro Isokawa Ferdinand Peper Masahiko Mitsui Jian-Qin Liu Kenichi Morita Hiroshi Umeo Naotake Kamiura Nobuyuki Matsui	Proc. 8th Int. Conf. on Cellular Automata for Research and Industry, Springer-Verlag, LNCS 5191 (2008) pp. 50-59
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C52 A construction method of Moore neighborhood number-conserving cellular automata	Naonori Tanimoto Katsunobu Imai	Proc. 8th Int. Conf. on Cellular Automata for Research and Industry, Springer-Verlag, LNCS 5191 (2008) pp. 244-251
C53 Simulations between triangular and hexagonal number-conserving cellular automata	Katsunobu Imai Bruno Martin	Proc. 3rd International Workshop on Natural Computing, IWNC 2008, Yokohama, (2008) pp. 16-26
C54 Calabi-Yau threefolds arising from fiber products of rational quasi-elliptic surfaces, II	Masayuki Hirokado Hiroyuki Ito Natsuo Saito	Manuscripta Math., 125 , 3 (2008) pp. 325-343
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C57 A structure of $\text{Hom}_g(\mathfrak{g} \otimes \mathfrak{g})$ and an application	Fujio Kubo	Proc. 23rd Summer Seminar on Lie Algebras and Related topics, (2008) pp. 19-25
C58 Estimating periodic software rejuvenation schedule in discrete operational circumstance	K. Iwamoto T. Dohi N. Kaio	IEICE Transactions on Information & Systems (D), E91-D , 1 (2008) pp. 23-31
C59 Bivariate extension of discrete software reliability modeling with number of test cases	T. Ishii T. Fujiwara Tadashi Dohi	International Journal of Reliability, Quality and Safety Engineering, 15 , 1 (2008) pp. 1-17
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C62 Optimizing security measures in an intrusion tolerant database system	T. Uemura T. Dohi	Service Availability: 5th International Service Availability Symposium (ISAS 2008), Lecture Notes in Computer Science, 5017 (2008) pp. 26-42
C63 Analysis of a software system with rejuvenation, restoration and checkpointing	H. Okamura T. Dohi	Service Availability: 5th International Service Availability Symposium (ISAS 2008), Lecture Notes in Computer Science, 5017 (2008) pp. 110-128
C64 Simulation-based optimization approach for software cost model with rejuvenation	H. Eto T. Dohi J. Ma	The 5th International Conference on Autonomic and Trusted Computing (ATC 2008), Lecture Notes in Computer Science, 5060 (2008) pp. 206-218
C65 Latent class analysis model for cyber-attack detection	Y. Sakai K. Rinsaka T. Dohi	Proceedings of 2008 Asian International Workshop on Advanced Reliability Modeling (AIWARM 2008), (2008) pp. 79-86
C66 Estimating an economic testing policy in discrete-time burn-in circumstance	T. Dohi N. Shibata N. Kaio	Proceedings of 2008 Asian International Workshop on Advanced Reliability Modeling (AIWARM 2008), (2008) pp. 273-280
C67 A repair-limit replacement policy with retry	H. Okamura T. Dohi	Proceedings of 2008 Asian International Workshop on Advanced Reliability Modeling (AIWARM 2008), (2008) pp. 289-296
C68 Estimating renewal functions: a neural network-based approach	T. Dohi S. Osaki	Proceedings of 2008 Asian International Workshop on Advanced Reliability Modeling (AIWARM 2008), (2008) pp. 414-421
C69 How good is gamma process modeling for software reliability assessment	L. Z. Jin T. Dohi	Proceedings of 2008 Asian International Workshop on Advanced Reliability Modeling (AIWARM 2008), (2008) pp. 567-574
C70 Adaptive software rejuvenation schedule based on non-parametric predictive inference: an expected cost model	K. Rinsaka T. Dohi	Proceedings of 2008 Asian International Workshop on Advanced Reliability Modeling (AIWARM 2008), (2008) pp. 591-598
C71 Estimating a mixture of Erlang distributions based on variational Bayes	Y. Yamaguchi H. Okamura T. Dohi	Proceedings of 2008 Asian International Workshop on Advanced Reliability Modeling (AIWARM 2008), (2008) pp. 619-626
C72 Availability modeling of an intrusion tolerant system with preventive maintenance	T. Uemura T. Dohi N. Kaio	Proceedings of 2008 Asian International Workshop on Advanced Reliability Modeling (AIWARM 2008), (2008) pp. 655-662
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C90 A computer-aided diagnosis system to screen for osteoporosis using dental panoramic radiographs	Takashi Nakamoto Akira Taguchi Masahiko Ohtsuka Yoshikazu Suei Mikio Tsuda Mitsuhiro Sanada Yoshiki Kudo Akira Asano Keiji Tanimoto	Dentomaxillofacial Radiology, 37 , 5 (2008) pp. 274-281
C91 Measurement of surface property using a special sensor developed for pile materials	Takako Fujimoto Mathew R. Sunderland Surrinder K. Tandon Chie Muraki Asano Akira Asano Choji Murata Hiroaki Fukuyama	Indian Journal of Fibre & Textile Research, 33 , 3 (2008) pp. 253-257
C92 Evaluation of Human Visual Impressions in Gray Scale Textures Using Morphological Manipulation	Liang Li Akira Asano Chie Muraki Asano	Proc. 8th International Conference on Hybrid Intelligent Systems (HIS2008), (2008) pp. 114-119
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C95 A dynamical approach to asymptotic solutions of Hamilton-Jacobi equations	Naoyuki Ichihara	Proceedings of the International Conference for the 25th Anniversary of Viscosity Solution, (2008) pp. 107-115
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C97 Attribute Selection for Numerical Databases that Contain Correlations	Taufik Djatna Yasuhiko Morimoto	International Journal of Software Informatics, 2 , 2 (2008) pp. 125-140
C98 Feature Selection for Databases that Contain Correlated Attributes by Using Two Dimensional Rules	Taufik Djatna Yasuhiko Morimoto	International Workshop on Data-Mining and Statistical Science, (2008) pp. 48-51
C99 Algorithm for Computing Skyline ObjectSet on Numerical Databases	Md. Anisuzzaman Sidique Taufik Djatna Yasuhiko Morimoto	International Workshop on Data-Mining and Statistical Science, (2008) pp. 40-43

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D2 High Luminance YAG:Ce nanoparticles Fabricated from Urea Added Aqueous Precursor by Flame Process	A. Purwanto W.-N. Wang T. Ogi I. W. Lenggoro E. Tanabe K. Okuyama	J. Alloys Compd, 463 (2008) pp. 350-357
D3 Investigation on the Correlation Between Droplet and Particle Size Distribution in Ultrasonic Spray Pyrolysis	W. N. Wnag A. Purwanto I. W. Lenggoro K. Okuyama H. Chang H. D. Jang	Ind. Eng. Chem. Res., 47 , 5 (2008) pp. 1650-1659
D4 Preparation and Characterization of Nano-Pigment - Poly(Styrene-Co-n-Butyl Acrylate-Co-Methacrylic Acid) Composite Particles by High Speed Homogenization-Assisted Suspension Polymerization	H. Widiyandari F. Iskandar N. Hagura K. Okuyama	J. Appl. Polym. Sci., 108 , 2 (2008) pp. 1288-1297
D5 High Performance of GaN Thin Films Grown on Sapphire Substrates Coated with a Silica-Submicron-Sphere Monolayer Film	K. Ueda Y. Tsuchida N. Hagura F. Iskandar K. Okuyama Y. Endo	Appl. Phys. Lett., 92 , 10 (2008) pp. 101101
D6 Optical and electrical properties of indium tin oxide nanofibers prepared by electrospinning	M. M. Munir F. Iskandar K. M. Yun K. Okuyama M. Abdullah	Nanotechnology, 19 (2008) pp. 145603
D7 Beads Mill-Assisted Synthesis of Poly Methyl Methacrylate (PMMA)-TiO ₂ Nanoparticle Composites	M. Inkyo Y. Tokunaga T. Tahara T. Iwaki F. Iskandar C. J. Hogan K. Okuyama	Ind. Eng. Chem. Res., 47 (2008) pp. 2597-2604
D8 Role of Urea Addition in the Preparation of Tetragonal BaTiO ₃ Nanoparticles using Flame Assisted Spray Pyrolysis	Y. Terashi A. Purwanto W. N. Wang F. Iskandar K. Okuyama	J. Eur. Ceram. Soc., 28 (2008) pp. 2573-2580
D9 Rapid Synthesis of Non-aggregated Fine Chloroapatite Blue Phosphors with High Quantum Efficiency	W.-N. Wnag F. Iskandar K. Okuyama Y. Shinomiya	Adv. Mater., 20 , 18 (2008) pp. 3422-3426
D10 Multilayer film deposition of Ag and SiO ₂ nanoparticles using a spin coating process	S.-G. Kim N. Hagura F. Iskandar A. Yabuki K. Okuyama	Thin Solid Films, 516 , 23 (2008) pp. 8721-8725
D11 Breakaway properties of film formed on copper and copper alloys in erosion-corrosion by mass transfer equation	A. Yabuki M. Murakami	Materials and Corrosion, 59 , 1 (2008) pp. 25-31

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D13 Photoluminescence Properties of Sub-micrometer Phosphors with Different Particle/Crystallite Sizes	T. Minami W.-N. Wang F. Iskandar K. Okuyama	Jpn. J. Appl. Phys., 47 , 9 (2008) pp. 7220-7223
D14 Pore size-controlled synthesis and characterization of nanostructured silica particles	H. Chang S.-J. Kim H.-D. Jang T.-O. Kim K. Okuyama	Ultramicroscopy, 108 (2008) pp. 1260-1265
D15 Fabrication of porous nanostructured TiO ₂ particles by an aerosol templating method	H.-D. Jang H. Chang K. Cho S.-J. Kim J.-H. Park J.-W. Choi K. Okuyama	Ultramicroscopy, 108 (2008) pp. 1241-1245
D16 Patterned indium tin oxide nanofiber films and its electrical and optical performance	M. M. Munir H. Widiyandari F. Iskandar K. Okuyama	Nanotechnology, 19 (2008) pp. 375601
D17 Nano-sized Polymer Particle-Facilitated Preparation of Mesoporous Silica Particles Using a Spray Method	A. B. D. Nandiyanto F. Iskandar K. Okuyama	Chemistry Letters, 37 , 10 (2008) pp. 1040-1041
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D19 Single crystal ZnO:Al nanoparticles directly synthesized using low-pressure spray pyrolysis	D. Hidayat T. Ogi F. Iskandar K. Okuyama	Mater. Sci. Eng. B, 151 (2008) pp. 231-237
D20 Synthesis of Monophasic Ca _x Ba _(1-x) TiO ₃ Nanoparticles with High Ca content (x > 23%) and Their Photoluminescence Properties	A. Purwanto D. Hidayat Y. Terashi K. Okuyama	Chem. Mater., 20 , 24 (2008) pp. 7440-7446
D21 Phase behavior for the supercritical ethylene + hexane + polyethylene systems	Masashi Haruki Yuboku Takakura Hiroaki Sugiura Shin-ichi Kihara Shigeki Takishima	J. Supercritical Fluids, 44 (2008) pp. 284-293
D22 Preparation of molecular imprinted thermosensitive gels grafted onto polypropylene by plasma-initiated graft polymerization	Hideaki Tokuyama Shinji Naohara Masaru Fujioka Shuji Sakohara	Reactive and Functional Polymers, 68 , 1 (2008) pp. 182-188
D23 Preparation of ZnO nanoparticles in amphiphilic gel network	Shuji Sakohara Kazuya Mori	J. Nanoparticle Research, 10 , 2 (2008) pp. 297-305
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D25 Compaction of TiO ₂ suspension by using dual ionic thermosensitive polymers	Shuji Sakohara Ryosuke Hinago Hidenori Ueda	Separation and Purification Technology, 63 , 2 (2008) pp. 319-323
D26 Novel pH-thermosensitive gel adsorbents for phosphoric acid	Takehiko Gotoh Takuya Arase Shuji Sakohara	2008 MRS Fall Meeting, Symposium BB, (2008)

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D29 Characterization of Co-Doped Silica for Improved Hydrothermal Stability and Application to Hydrogen Separation Membranes at High Temperatures	R. Igi T. Yoshioka Y. H. Ikuhara Y. Iwamoto T. Tsuru	Journal of American Ceramic Society, 91 (2008) pp. 2975-2981
D30 Nano/subnano-tuning of porous ceramic membranes for molecular separation	T. Tsuru	Sol-Gel Science and Technology, 46 (2008) pp. 349-361
D31 Membrane Reactor Performance of Steam Reforming of Methane Using Hydrogen-Permeable Catalytic SiO ₂ Membranes	T. Tsuru T. Morita H. Shintani T. Yoshioka M. Asaeda	Journal of Membrane Science, 316 (2008) pp. 53-62
D32 MD simulation studies for effect of membrane structures and dynamics on gas permeation properties through microporous amorphous silica membranes	T. Yoshioka A. Yasumoto K. Kishi T. Tsuru	Desalination, 233 (2008) pp. 333-341
D33 Nanoporous titania membranes for permeation and filtration of organic solutions	T. Tsuru, M. Narita R. Shinagawa T. Yoshioka	Desalination, 233 (2008) pp. 1-9
D34 Effect of multi-inlet flow on particle classification performance of hydro-cyclones	Yoshida, H. S. Yoshikawa K. Fukui T. Yamamoto	Powder Technology, 184 (2008) pp. 352-360
D35 Molecular-scale investigation of polymerization, nucleation, and growth of polystyrene particle by atomic force microscopy	Tetsuya Yamamoto Ko Higashitani	Asia-Pacific Journal of Chemical Engineering, 3 (2008) pp. 239-249
D36 Development of particle size distribution measurement method at high temperature by use of classification during sampling	Tsuji, H. H. Makino H. Yoshida	Powder Technology, 180 (2008) pp. 190-195
D37 Round robin test results of reference particle candidates of sub-micrometer size range	Mori, Y. H. Yoshida H. Masuda	Particle Systems Analysis 2008, (2008)
D38 Influence of the Synthesis Conditions on the Characteristics of Nanoparticles Produced in a Nonequilibrium Plasma Field	Yutaka Hayashi Manabu Shimada Kikuo Okuyama	Journal of Chemical Engineering of Japan, 41 , 2 (2008) pp. 62-68
D39 Synthesis and Characterization of N-Acyl-substituted PyrroloTTF Derivatives and Improved Air-stability of PyrroloTTF-based OFETs	Iori Doi Eigo Miyazaki Kazuo Takimiya	Chem. Lett., 37 , 10 (2008) pp. 1088-1089
D40 Raman Spectroscopy Shows Inter-chain through Space Charge Delocalization in a Mixed Valence Oligothiophene Cation and in Its pi-Dimeric Biradicaloid Dication	Casado Juan Kazuo Takimiya Tetsuo Otsubo Ramirez Francisco J. Quirante J. Joaquin Ortiz Rocio Ponce Gonzalez Sandra R. Oliva Maria Moreno Navarrete Juan T. Lopez	J. Am. Chem. Soc., 130 , 43 (2008) pp. 14028-14029
D41 Molecular ordering of high-performance soluble molecular semiconductors and re-evaluation of their field-effect transistor characteristics	Takafumi Izawa Eigo Miyazaki Kazuo Takimiya	Adv. Mater., 20 , 18 (2008) pp. 3388-3392

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D42 Antiferromagnetic ordering of the incommensurate organic superconductor (MDT-TS)(AuI ₂)(0.441) with a high spin-flop field	Tadashi Kawamoto Yoshimasa Bando Takehiko Mori Takako Konoike Yamaguchi Takahide Taichi Terashima Shinya Uji Kazuo Takimiya Tetsuo Otsubo	Phys. Rev. B, 77 , 22 (2008) pp. 2245061-2245065
D43 Electrical characteristics of single-component ambipolar organic field-effect transistors and effects of air exposure on them	Tomo Sakanoue Masayuki Yahiro Chihaya Adachi Kazuo Takimiya Akio Toshimitsu	J. Appl. Phys., 103 , 9 (2008) pp. 0945091-0945096
D44 2,6-dialkylbenzo[1,2-b : 4,5-b']dithiophenes (C-n-BDTs) as soluble organic semiconductors for solution-processed organic field-effect transistors	Tomoya Kashiki Eigo Miyazaki Kazuo Takimiya	Chem. Lett., 37 , 3 (2008) pp. 284-285
D45 Isotropic uniaxial strain effect on the incommensurate organic superconductor: (MDT-TS)(AuI ₂)(0.441)	Yoshimasa Bando Tadashi Kawamoto Takehiko Mori Kazuo Takimiya Tetsuo Otsubo	J. Phys. Soc. Jpn., 77 , 1 (2008)
D46 Giant nonlinear conductivity and spontaneous current oscillation in an incommensurate organic superconductor	Takehiko Mori Yoshimasa Bando Tadashi Kawamoto Ichiro Terasaki Kazuo Takimiya Tetsuo Otsubo	Phys. Rev. Lett., 100 , 3 (2008) pp. 0370011-0370014
D47 Fluorescence up-conversion study of excitation energy transport dynamics in oligothiophene-fullerene linked dyads	Takumi Nakamura Yasuyuki Araki Osamu Ito Kazuo Takimiya Tetsuo Otsubo	J. Phys. Chem. A, 112 , 6 (2008) pp. 1125-1132
D48 A high mobility ambipolar field effect transistor using a 2,6-diphenylbenzo[1,2-b : 4,5-b']diselenophene/fullerene double layer	Shohei Kinoshita Tomo Sakanoue Masayuki Yahiro Kazuo Takimiya Hideaki Ebata Masaaki Ikeda Hirokazu Kuwabara Chihaya Adachi	Solid State Commun., 145 , 3 (2008) pp. 114-117
D49 Structural Aspects of Iodine-Promoted One-Pot Cyclization Of o-Bis(methylthio)stilbenes to Thieno[3,2-b]thiophene Derivatives: Synthetic Trials of Tetrathienoacenes from 1,2-Bis(3-methylthiothiophene-2-yl)ethenes	Tatsuya Yamamoto Eigo Miyazaki Kazuo Takimiya	Heterocycles, 76 , 1 (2008) pp. 583-593
D50 Attachment of Disilanylene-Oligothiénylene Polymers on TiO ₂ Surface by Photochemical Cleavage of the Si-Si Bonds	J. Ohshita J. Matsukawa M. Hara A. Kunai S. Kajiwara Y. Ooyama Y. Harima M. Kakimoto	Chem. Lett., 37 (2008) pp. 316-317
D51 Ring Flipping of Seven-membered and Eight-membered Dithienodisila-heterocycles	I.-S. Lee Y.-W. Kwak M. K. Ghosh J. Ohshita C. H. Choi	Bull. Kor. Chem. Soc., 29 (2008) pp. 377-380
D52 Selective Formation of Rearranged Silenes from Polysilylenone via 1,3- and 1,5-Silyl Migration	J. Ohshita J. Morioka H. Kawamoto H. Kobayashi A. Kunai A. Naka	Organometallics, 27 (2008) pp. 5423-5425

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D53 Disilane- and siloxane-bridged biphenyl and bithiophene derivatives as electron-transporting materials in OLEDs	H. Kai J. Ohshita S. Ohara N. Nakayama A. Kunai I.-S. Lee Y.-W. Kwak	J. Organomet. Chem., 693 (2008) pp. 3490-3494
D54 Synthesis of E-alkenylsilanes with dithienosilole and their electrochemical and optical properties	I-S. Lee Y.-W. Kwak D.-H. Kim Y. Cho J. Ohshita	J. Organomet. Chem., 693 (2008) pp. 3233-3239
D55 Silicon-carbon unsaturated compounds. 75. Thermal isomerization of 2-alkyl- and 2-aryl-2-trimethylsiloxy-1,1-bis(trimethylsilyl)-1-silacyclohex-4-enes	A. Naka S. Ueda J. Ohshita A. Kunai T. Miura H. Kobayashi M. Ishikawa	Organometalics, 27 (2008) pp. 2922-2928
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D66 Highly active copolymerization of ethylene and dicyclopentadiene with $[(\eta^1-t\text{-BuN})\text{SiMe}_2(\eta^1\text{-C}_{29}\text{H}_{36})]\text{TiMe}_2(\text{THF})$ complex	Kei Nishii Shigetaka Hayano Yasuo Tsunogae Zhengguo Cai Yuushou Nakayama Takeshi Shiono	Chem. Lett., 37 , 6 (2008) pp. 590-591
D67 Precise control of microstructure of functionalized polypropylene synthesized by the <i>ansa</i> -zirconocene/MAO catalysts	Hideaki Hagihara Takeshi Ishihara Hoang The Ban Takeshi Shiono	J. Polym. Sci., Part A: Polym. Chem., 46 , 5 (2008) pp. 1738-1748
D68 Ring-opening metathesis polymerization of norbornene catalyzed by tantalum and niobium complexes with chelating O-donor ligands	Yuushou Nakayama Naoaki Maeda Hajime Yasuda Takeshi Shiono	Polym. Int., 57 , 7 (2008) pp. 950-956
D69 Synthesis of poly(ester-urethane)s from hydroxytelechelic polylactide: Effect of initiators on their physical and degradation properties	Yuushou Nakayama Ryo Yamaguchi Chikara Tsutsumi Takeshi Shiono	Polym. Degrad. Stab., 03 , 1 (2008) pp. 117-124
D70 Synthesis, characterization, and thermal properties of ring-opening metathesis polynorbornenes and their hydrogenated derivatives bearing various ester and cyano groups	Yasushi Nishihara Seisuke Izawa Yoshiaki Inoue Yuushou Nakayama Takeshi Shiono Kentarō Takagi	J. Polym. Sci., Part A: Polym. Chem., 46 , 10 (2008) pp. 3314-3325
D71 Bismuth-catalyzed intramolecular hydro-oxycarbonylation of alkynes	Kimihiro Komeyama Keita Takahashi Ken Takaki	Chemistry Letters, 38 (2008) pp. 602-603
D72 Bismuth-catalyzed cyclization of amino-1,6-enynes	Kimihiro Komeyama Motoyoshi Miyagi Ken Takaki	Heteroatom Chemistry, 19 (2008) pp. 644-648
D73 Bismuth-catalyzed intramolecular carbo-oxycarbonylation of 3-alkynyl esters	Kimihiro Komeyama Keita Takahashi Ken Takaki	Organic Letters, 10 (2008) pp. 5119-5122
D74 Study of a novel sample injection method (floating electrokinetic supercharging) for high-performance microchip electrophoresis of DNA fragments	Takeshi Hirokawa Yoichi Takayama Akihiro Arai Zhongqi Xu	Electrophoresis, 29 (2008) pp. 1829-1835
D75 Sensitive determination of anions in saliva using capillary electrophoresis after transient isotachopheric preconcentration	Zhongqi Xu Takayuki Doi Andrei R. Timerbaev Takeshi Hirokawa	Talanta, 77 (2008) pp. 278-281
D76 Electrokinetic sample injection for high-sensitive capillary zone electrophoresis (1): Electrode configuration and setting for high-sensitive analysis	Takeshi Hirokawa Eiji Koshimidzu Zhongqi Xu	Electrophoresis, 29 (2008) pp. 3786-3793
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D78 Interference and electro-optical Kerr effects responsible for electroabsorption spectra of transparent	Y. Harima T. Hashiguchi Y. Fujikawa K. Komaguchi Y. Ooyama I. Imae	Chem. Phys. Lett., 457 (2008) pp. 115-118
D79 Drastic enhancement of cycle lifetime of electrochromic devices using polysilsesquioxane as an anchoring agent	I. Imae Y. Takenaka D. Tokita Y. Ooyama K. Komaguchi Y. Harima	Chem. Lett., 37 (2008) pp. 964-965

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D81 Topochemical 3D polymerization of C ₆₀ under high pressure at elevated temperatures	Shoji Yamanaka Nagesh S. Kini Akira Kubo Saeko Jida Hideaki KURamoto	J. Amer. Chem. Soc., 130 (2008) pp. 4303-4309
D82 ternary compound B ₄ CN ₄ prepared by direct nitridation of B ₄ C	Fei Zhuge Shoji Yamanaka	J. Alloys Comp., 466 (2008) pp. 299-303
D83 High-pressure synthesis and structure of new filled skutterudite compounds with Ge-substituted host network; LnRh ₄ Sb ₉ Ge ₃ , Ln=La, Ce, Pr, and Nd	Hiroshi Fukuoka Shoji Yamanaka	Journal of Alloys and Compounds, 461 (2008) pp. 547-550
D84 Reversible emergence of a self-assembled layered structure from three-dimensional isotropic ionic crystal of a cluster compound (4-HNC ₅ H ₄ OH) ₂ Mo ₆ Cl ₁₄ driven by absorption of water and alcohols	Kei Inumaru Takashi Kikudome Hiroshi Fukuoka Shoji Yamanaka	J. Am. Chem. Soc., 130 (2008) pp. 10038-10039
D85 High-pressure synthesis of superconducting molybdenum nitride δ-MoN by in situ nitridation	Kei Inumaru Takanori Nishikawa Kazuharu Nakamura Shoji Yamanaka	Chem. Mater., 20 (2008) pp. 4756-4761
D86 Magnetoresistance of ferromagnetic Cr _x Ti _{1-x} N solid solution nitride	Kei Inumaru Yuji Miyaki Kazuma Tanaka Kunihiko Koyama Shoji Yamanaka	Phys. Rev. B, 78 (2008) pp. 052406/1-4
D87 Partial suppression of structural distortion in epitaxially grown BaBiO ₃ thin films	Kei Inumaru Hajime Miyata Shoji Yamanaka	Phys. Rev. B., 78 (2008) pp. 132507/1-4
D88 Effects of noble metal-doping on Cu/ZnO/Al ₂ O ₃ catalysts for water-gas shift reaction -Catalyst preparation by adopting "memory effect" of hydrotalcite-	K. Nishida I. Atake D. Li T. Shishido Y. Oumi T. Sano K. Takehira	Appl. Catal. A, 337 (2008) pp. 48 -57
D89 Preparation and crystal structure of RUB-18 modified for synthesis of zeolite RWR by topotactic conversion	T. Ikeda Y. Oumi T. Takeoka T. Yokoyama T. Sano T. Hanaoka	Microporous Mesoporous Mater., 110 (2008) pp. 488-500
D90 Hydrothermal conversion of FAU zeolite into RUT zeolite in TMAOH system	H. Jon T. Takahashi H. Sasaki Y. Oumi T. Sano	Microporous Mesoporous Mater., 113 (2008) pp. 56-63
D91 Synthesis of lamellar mesostructured calcium phosphates using n-alkylamines as structure-directing agents in alcohol/water mixed solvent systems	N. Ikawa Y. Oumi T. Kimura T. Ikeda T. Sano	J. Mater. Sci., 43 (2008) pp. 4198-4207
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D93 Synthesis of high-silica CHA zeolite from FAU zeolite in the presence of benzyltrimethylammonium hydroxide	M. Itakura T. Inoue A. Takahashi Y. Oumi T. Sano	Chem. Lett., 37 (2008) pp. 908-909
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D95 Superior catalytic behavior of trace Pt-doped Ni/Mg(Al)O in methane reforming under daily start-up and shut-down operation	D. Li K. Nishida Y. Zhan T. Shishido Y. Oumi T. Sano K. Takehira	Appl. Catal. A, 350 (2008) pp. 225 -236
D96 Templating route for mesostructured calcium phosphates with carboxylic acid- and amine-type surfactants	N. Ikawa H. Hori T. Kimura Y. Oumi T. Sano	Langmuir, 24 (2008) pp. 13113 -13120
D97 Lead immobilization in mechanochemical fly ash recycling	Yugo NOMURA Kazuo FUJIWARA Makoto TAKADA Satoshi NAKAI Masaaki HOSOMI	J. Material Cycles and Waste Management, 10 (2008) pp. 14-18
D98 Photodegradation fates of cis-chlordane, trans-chlordane, and heptachlor in ethanol	Shingo YAMADA Yuta NAITO Masafumi FUNAKAWA Satoshi NAKAI Masaaki HOSOMI	Chemosphere, 70 , 9 (2008) pp. 1669-1675
D99 Photodegradation of hexachlorobenzene and theoretical prediction of its degradation pathways using quantum chemical calculation	Shingo YAMADA Yuta NAITO Makoto TAKADA Satoshi NAKAI Masaaki HOSOMI	Chemosphere, 70 , 4 (2008) pp. 731-736
D100 Photodechlorination of octachlorodibenzothiophene and octachlorodibenzofuran: Comparison of experimental degradation pathways with degradation pathways predicted by DFT	Shingo YAMADA Saeko KISHITA Satoshi NAKAI Makoto TAKADA Masaaki HOSOMI	Chemosphere, 73 , 6 (2008) pp. 1005-1010
D101 Release of anti-cyanobacterial allelochemicals from aquatic and terrestrial plants applicable for artificial floating islands	Satoshi NAKAI Guoyan ZOU Xianfu SONG Qiao PAN Sheng ZHOU Masaaki HOSOMI	Journal of Water and Environment Technology, 6 , 1 (2008) pp. 55-63
D102 Benthic ecosystem developed in artificial tidal flat constructed with dredged soil	Ryo ISHII Yoichi NAKANO Satoshi NAKAI Wataru NISHIJIMA Mitsumasa OKADA	Marine Pollution Bulletin, 56 , 12 (2008) pp. 2059-2066
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D104 Ozonation of trichloroethylene in acetic acid solution with soluble and solid humic acid	Alcantara-Garduno Martha E. Okuda, Tetsuji Nishijima, Wataru Okada, Mitsumasa	Journal of Hazardous Materials , 160 , 2-3 (2008) pp. 662-667

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D106 Selective recovery of PVC free polymers from ASR polymers by ozonation and froth flotation	Srinivasa Reddy Mal-lampati Keisuke Kurose Tetsuji Okuda Wataru Nishijima Mitsumasa Okada	Resources, Conservation & Recycling, 52 , 6 (2008) pp. 941-946
D107 A novel polymer recycling system for the effective recovery of chloride free polymers from automobile shredder residue	Mallampati Srinivasa Reddy Keisuke Kurose Tetsuji Okuda Wataru Nishijima Mitsumasa Okada	Proceedings of 8th International Automobile Recycling Congress, (2008)

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E2 Effective steel-ratio and size effect in shear sensitive HSC beams subjected to high-shrinkage	Hajime Kawakane Takuto Kawamoto Takuma Oga Ryoichi Sato	Proceedings of the Second International Symposium on Ultra High Performance Concrete, Kas-sel, Germany, (2008) pp. 311-318
E3 Self-induced stress in reinforced ultra-high strength concrete	Ippei Maruyama Masahiro Suzuki Ryoichi Sato	Proceedings of 8th International Conference on Creep, Shrinkage and Durability of Concrete and Concrete Structures, Ise-Shima, 1 (2008) pp. 365-372
E4 Reduction of restrained stress in ultra-high strength concrete using porous ceramic for internal curing	Masahiro Suzuki Hirokazu Nakase Ippei Maruyama Ryoichi Sato	Proceedings of 8th International Conference on Creep, Shrinkage and Durability of Concrete and Concrete Structures, Ise-Shima, 2 (2008) pp. 839-846
E5 Autogenous deformation and resultant induced stress in low-shrinkage high-strength concrete	Makoto Tanimura Ippei Maruyama Ryoichi Sato	Proceedings of 8th International Conference on Creep, Shrinkage and Durability of Concrete and Concrete Structures, Ise-Shima, 2 (2008) pp. 855-862
E6 Shrinkage dependent diagonal cracking strength and size effect of reinforced HSC beams	Hajime Kawakane Ryoichi Sato	Proceedings of 8th International Conference on Creep, Shrinkage and Durability of Concrete and Concrete Structures, Ise-Shima, 2 (2008) pp. 1343-1350
E7 Durability mechanics of concrete and concrete structures - Re-definition and a new approach - (JCI committee report)	Ryoichi Sato Takumi Shimomura Ippei Maruyama Kenichiro Nakarai	Proceedings of 8th International Conference on Creep, Shrinkage and Durability of Concrete and Concrete Structures, Ise-Shima, 2 (2008) pp. 1073-1098

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E24 A Practical Method for Identifying Parameters on the Seismic Design of Embankments	Yoshiya Hata Koji Ichii Takashi Tsuchida Seiji Kano Norihiko Yamashita	Georisk, 2, 1 (2008) pp. 28-40
E25 Characteristics of uplifting velocity of a buried pipe in liquefied ground	Koji Ichii Nobuyasu Seto Hiroshi Kidera	Geotechnical Earthquake Engineering and Soil Dynamics IV (GEESD IV), (2008)
E26 Applicability of newly-developed Instrument for microtremor measurements to estimate the loosened zone in shallow ground	Taiji Hanakawa Seiji Kano Toshikazu Sawamatsu Koji Ichii	Proceedings of the 2nd International conference on Geotechnical Engineering for disaster mitigation and rehabilitation (GEDMAR08), (2008)
E27 Evaluation of simultaneous failure probability for two quay walls in different sites considering the distance	Koji Ichii Yutaka Yamamoto Ryoichi Shibasaki	Proceedings of the 14th World Conference on Earthquake Engineering, (2008)
E28 A study on the seismic response of embankments based on the estimation of the natural frequency in the vertical direction	Yoshiya Hata Koji Ichii Seiji Kano Takashi Tsuchida	Proceedings of 4th international disaster and risk conference, (2008)
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E33 Boundary Effects on the Three Dimensional Seismic Responses of Embankments	Seiji Kano Yoshiteru Yokoi Yasushi Sasaki Yoshiya Hata	Proceedings of International Conference of Civil and Environmental Engineering (ICCEE-2008), (2008)
E34 A New Method to Predict Landslide Disaster Using an Odor Sensor	Hiroki Yuri Seiji Kano Takashi Tsuchida Thiha	Proceedings of International Conference of Civil and Environmental Engineering (ICCEE-2008), (2008)
E35 Improved Assesment of Liquefaction Potential against Earthquake Motions with Long Durations	Kazuaki Uemura Koji Ichii	Proceedings of International Conference of Civil and Environmental Engineering (ICCEE-2008), (2008)
E36 Modeling household discrete choice behavior incorporating heterogeneous group decision-making mechanisms	Zhang, J. Kuвано, M Lee, B. Fujiwara, A	Transportation Research Part B, (2008)
E37 haracteristic of temporal demand distribution decomposed by independent component analysis	Inoue, S. Tsukai, M. Kuвано, M. Okuruma, M.	Proceedings of International Conference on Civil and Environmental Engineering, (2008)

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E40 <i>Syntrophorhabdus aromaticivorans</i> gen.nov.,sp.nov.,the First Cultured Anaerobe Capable of Degrading Phenol to Acetate in Obligate Syntrophic Associations with a Hydrogenotrophic Methanogen	Yan-Ling Que Satoshi Hanada Akiyoshi Ohashi Hideki Harada Yoichi Kamagata Yuji Sekiguchi	APPLIED AND ENVIRONMENTAL MICROBIOLOGY, 74 , 7 (2008) pp. 2051-2058
E41 Changes of microbial characteristics of retained sludge during low-temperature operation of an EGSB reactor for low-strength wastewater treatment	K.Syutubo W.Yoochatchaval H.Yoshida K.Nishiyama M.Okawara H.Sumino N.Araki H.Harada A.Ohashi	Water Science & Technology-WST, 57 , 2 (2008) pp. 277-281
E42 Influence of effluent-recirculation condition on the process performance of expanded granular sludge bed reactor for treating low strength wastewater	W.Yoochatchaval K.Nishiyama M.Okawara A.Ohashi H.Harada K.Shutsubo	Water Science & Technology-WST, 57 , 6 (2008) pp. 869-873
E43 Production of biologically safe digested manure for land application by a full - scale biogas plant with heat - inactivation	S.Uemura A.Ohashi H.Harada T.Hoak T.Tomozawa T.Ohara R.Ojima T.Ishida	Waste Management & Research, 26 , 3 (2008) pp. 256-260
E44 Characteristics of Granular Sludge in an EGSB Reactor for Treating low Strength Wastewater	W.Yoochatchaval A.Ohashi H.Harada T.Yamaguchi K.Syutubo	Int.J.Environ.Res, 2 , 4 (2008) pp. 319-328
E45 Intermittent Effluent Recirculation for the Efficient Treatment of Low Strength Wastewater by an EGSB Reactor	W.Yoochatchaval A.Ohashi H.Harada T.Yamaguchi K.Syutubo	International Journal of Environmental Res, 2 , 3 (2008) pp. 231-238
E46 <i>Thermodesulfovibrio aggregans</i> sp. nov. and thermophilic, sulfate-reducing bacteria isolated from thermophilic methanogenic sludge, and emended description of the genus <i>Thermodesulfovibrio</i>	Yuji Sekiguchi Mizuho Muramatsu Hiroyuki Imachi Takashi Narihiro Akiyoshi Ohashi Hideki Harada Satoshi Hanada Yoichi Kamagata	International Journal of Systematic and Evolutionary Microbiology, 58 (2008) pp. 2541-2548
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E50 Community structure and function of candidate division TM7 in a wastewater treatment plant	T.Kindaichi H.Kajihar T.Yamamoto N.Ozaki A.Ohashi S.Okabe	12th International symposium on MICRIBIAL ECOLOGY ISME12, (2008)
E51 Distinctive microbes are involved in butyrate and palmitate degradation under methanogenic conditions	M.Hatamoto H.Imachi A.Ohashi H.Harada	12th International symposium on MICRIBIAL ECOLOGY ISME12, (2008)
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E53 Detection of chromosome-encoded genes by TWO-Pass TSR-Fish with single oligonucleotide probe	S.Kawakami K.Kubota H.Imachi T.Yamaguchi H.Harada A.Ohashi	12th International symposium on MICRIBIAL ECOLOGY ISME12, (2008)
E54 Estimation of the River Discharge Loadings of PAHs in a Suburban River in Hiroshima Prefecture	N.Ozaki K.Iwasaki K.Kojima T.Kindaichi	"The 12th International conference on Integrated Diffuse Pollution Management IWA DIPCON 2008, (2008)
E55 Diverse Microorganisms Involved in Butyrate Degradation in Methanogenic Sludges Revealed by RNA-based Stable Isotope Probind	Masashi Hatamoto Hiroyuki Imachi Akiyoshi Ohashi Hideki Harada	Proceedings of International Conference on Civil and Environmental Engineering ICCEE-2008, (2008) pp. 27
E56 Establishment of a One-Stage Nitrogen-Removal Process in a Down-Flow Hanging Sponge (DHS) Reactor	Hui-Ping Chuang Akiyoshi Ohashi	Proceedings of International Conference on Civil and Environmental Engineering ICCEE-2008, (2008) pp. 28
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E64 Integrated modeling for inundation flows in urban areas	Yoshihisa Kawahara Tatsuhiko Uchida	Proc. of World Environmental & Water Resource Congress 2008, ASCE/EWRI, (2008)
E65 Unsteady flow pattern in a doubly meandering compound channel	G. M. Tarekul Islam Yoshihisa Kawahara Nobuyuki Tamai	International Conference on Fluvial Hydraulics (River Flow 2008), (2008) pp. 499-507
E66 Prediction of water surface elevation in a doubly meandering compound channel using CIP-based scheme	G. M. Tarekul Islam Yoshihisa Kawahara Tatsuhiko Uchida Yu Morishita	International Conference on Fluvial Hydraulics (River Flow 2008), (2008) pp. 2043-2050
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E98 Maneuvering Motions of KVLCC1 and KVLCC2 using MMG Model	Masaaki Sano Hironori Yasukawa	Workshop on Verification and Validation of Ship Manoeuvring Methods (SIMMAN 2008), Copenhagen, Denmark, (2008)
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E139 Calculation method for loads of hot water demand with the hot water storage tank system in houses	Hiroshi Takata Saburo Murakawa Naoki Yamamoto Hiroki Kitayama Yasuhiro Hamada Minako Nabeshima	Proceedings of the 34th International Symposium on CIB W062 Water Supply and Drainage for Buildings, (2008) pp. 23-35
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