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Published Papers

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A1 Analysis on Thermal Efficiency of Non-Compressor Type Pulse Detonation Turbine Engines	Shinichi Maeda Jiro Kasahara Akiko Matsuo Takuma Endo	Transactions of the Japan Society for Aeronautical and Space Sciences, 53 , 181 (2010) pp. 192-206
A2 Stress analysis and strength evaluation of scarf adhesive joints subjected to static tensile loadings	He Dan Toshiyuki Sawa Takeshi Iwamoto Yuya Hirayama	International Journal of Adhesion & Adhesives, 30 (2010) pp. 387-392
A3 A three-dimensional finite element stress analysis and strength prediction of stepped-lap adhesive joints of dissimilar adherends subjected to bending moments	Toshiyuki Sawa Kohei Ichikawa Yuichiro Shin Takeshi Iwamoto	International Journal of Adhesion & Adhesives, 30 (2010) pp. 298-305
A4 Experimental and computational investigations on strain rate sensitivity and deformation behavior of bulk materials made of epoxy resin structural adhesive	Takeshi IWAMOTO Toshimasa Nagai Toshiyuki Sawa	International Journal of Solids and Structures, 47 , 2 (2010) pp. 175-185
A5 A finite element simulation on creep behavior in welded Joint of chromemolybdenum steel including interaction between void evolution and dislocation dynamics	Takeshi IWAMOTO Eiji Murakami Toshiyuki Sawa	Technische Mechanik, 30 , 1-3 (2010) pp. 157-168
A6 Non-linear dynamic responses of elastic two-story structures with partially filled liquid tanks	Takashi Ikeda	Int. J. Non-Linear Mech., 45 , 3 (2010) pp. 263-278
A7 Bifurcation phenomena caused by multiple nonlinear vibration absorbers	Takashi Ikeda	Trans. ASME, J. Computational and Nonlinear Dynamics, 5 , 2 (2010) pp. 021012-1-021012-15
A8 Vibration suppression of elastic structures utilizing internal resonance of liquid sloshing in a rectangular tank	Takashi Ikeda	Proceedings of the ASME 2010 Pressure Vessels & Piping Division / K-PVP Conference (PVP2010), (2010)
A9 Design of perforated open end for the reduction of resonance sound in acoustic tube	Satoshi Tejima Yasuhisa Sekiguchi	Proceedings of the 2nd International Conference on Design Engineering and Science, (2010) pp. 273-277
A10 Predictions and experimental studies of the tail pipe noise of an automotive muffler using a one dimensional CFD model	Takashi Yasuda Chaoqun Wu Noritoshi Nakagawa Kazuteru Nagamura	Applied Acoustics, 71 (2010) pp. 701-707
A11 Development of a Closed-Fitting-Type Walking Assistance Device on Leg with a Self-Contained Control System	Tadaaki Ikehara Eiichirou Tanaka Kazuteru Nagamura Takanobu Tamiya Takuro Ushida Kenichi Hashimoto Sho Kojima Kiyotaka Ikejo Louis Yuge	Journal of Robotics and Mechatronics, 22 , 3 (2010) pp. 380-390

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A12 Wear Test and Calculation of the Involute and Cycloid Spur Gear	Natsuhiko Seyama Kazuteru Nagamura Kiyotaka Ikejo	Proceedings of International Conference on Gears Europe invites the World, October 4th to 6th, 2010, Technical University of Munich (TUM) Garhing (near Munich), Germany, VDI-Berichte 2108.2 (2010) pp. 1409-1503
A13 Vibration and Noise Analysis of Elliptical Gears	Xing Liu Kazuteru Nagamura Kiyotaka Ikejo	Proceedings of The 2nd International Conference on Design Engineering and Science (ICDES2010) Morito Memorial Hall, Tokyo University of Science, Tokyo, JAPAN, November 17-19, (2010) pp. 262-267
A14 Sound Transmission Loss of Polycarbonate Window Pane with Damped Sandwich Structure for Automobile	Shen Min Kazuteru Nagamura Noritoshi Nakagawa Masaharu Okamura	Proceedings of The 2nd International Conference on Design Engineering and Science (ICDES2010) Morito Memorial Hall, Tokyo University of Science, Tokyo, JAPAN, November 17-19, (2010) pp. 268-272
A15 Job Shop Scheduling Using Continuous EDAs	Masahiro Fujimoto Toru Eguchi	Proceedings of the 2010 International Symposium on Flexible Automation, (2010)
A16 A Release Time Determination Method To Meet Due-dates and Minimize Lead-times in Job Shops	Shinji Hirano Toru Eguchi	Proceedings of the 2010 International Symposium on Flexible Automation, (2010)
A17 Improvement of the sound absorption performance of polycarbonate automobile window pane using micro-perforated membrane absorber	Shen Min Kazuteru Nagamura Noritoshi Nakagawa Masaharu Okamura	Proceedings of the 2010 International Conference on Mechatronics and Automation (ICMA), Xian, CHINA, August 4-7, 2010, (2010) pp. 1466-1471
A18 Multidimensional kinetic approach for rarefied and transitional flows by the CIP method	Takashi Yabe Youichi Ogata	International Journal for Numerical Methods in Fluids, A special issue of ASME 2009, 65 (2010) pp. 191-206
A19 Conservative Semi-Lagrangian CIP to the Shallow Water Equations	Takashi Yabe Youichi Ogata	Computational Mechanics, A special issue of FEF09, 46 (2010) pp. 125-134
A20 DNS of Spatially Evolving Transitional/Turbulent Boundary Layer at $M=2.0$	Yousuke Tokura Hiroshi Maekawa Daisuke Watanabe Youichi Ogata	Proceedings of the 48th AIAA Aerospace Science Meeting, (2010)
A21 Coordinating the Adaptive Behavior for Swarm Robotic Systems by Using Topology and Weight Evolving Artificial Neural Networks	Kazuhiro Ohkura Toshiyuki Yasuda Yoshiyuki Matsumura	Proceedings of WCCI 2010 IEEE World Congress on Computational Intelligence, 2010 IEEE Congress on Evolutionary Computation, (2010) pp. 1788-1795
A22 A Swarm Robotics Approach to Cooperative Package-Pushing Problems with Evolving Recurrent Neural Networks	Kazuhiro Ohkura Toshiyuki Yasuda Yukihiko Kotani Yoshiyuki Matsumura	Proceedings of SICE Annual Conference 2010, (2010) pp. 706-711
A23 Collective Behavior Analysis Based on Clustering for Swarm Robotic Systems	Kazuhiro Ohkura Toshiyuki Yasuda Chikara Morishita Yoshiyuki Matsumura	Proceedings of International Conference on Innovative Technologies IN-TECH 2010, (2010) pp. 440-444
A24 Extended PSO with Partial Randomization for Large Scale Multimodal Problems	Toshiyuki Yasuda Kazuhiro Ohkura Yoshiyuki Matsumura	World Automation Congress WAC 2010 CD-ROM Proceedings, (2010)

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A39 Stabilization of time-varying stochastic port-Hamiltonian systems based on stochastic passivity	Satoshi Satoh Kenji Fujimoto	Proceedings of IFAC Symposium on Nonlinear Control Systems, (2010) pp. 611-616
A40 A symmetric structure of variational and adjoint systems of stochastic Hamiltonian systems	Satoshi Satoh Kenji Fujimoto	Proceedings of 49th IEEE Conference on Decision and Control, (2010) pp. 1423-1428
A41 Low-order H_∞ controller design on the frequency domain by partial optimization	Masami Saeki Masashi Ogawa Nobutaka Wada	International Journal of Robust and Nonlinear Control, 20 (2010) pp. 323-333
A42 A search method for a fixed-order controller of H_2/H_∞ control problems	Masami Saeki Keisuke Kawanishi Nobutaka Wada	SICE Annual Conference 2010, (2010) pp. 3024-3029
A43 Dynamic anti-windup compensator design considering behavior of controller state	Unggul Wasiwitono Shunsuke Takamatsu Masami Saeki Kiyoshi Ochi Nobutaka Wada	Journal of System Design and Dynamics, 4 , 4 (2010) pp. 601-615
A44 Forming of Microstructure on Hard Brittle Materials in Ductile Mode Cutting	Kunitaka Kuriyama Masahiko3-329Ikuta Katsuhiko3-32Sekiya Keiji Yamada Yasuo Yamane	Key Engineering Materials, 447-448 (2010) pp. 91-95

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B2 Experimental investigation of material flow during friction stir spot welding	Shohei Horie Kenji Shinozaki Motomichi Yamamoto Tom North	Science Technology of Welding and Joining, 15 , 8 (2010) pp. 666-670
B3 Melting phenomenon of hot-wire GTA and hot-wire laser welding process	K. Shinozaki M. Yamamoto K. Kadoi T. Nagashima T. Kanazawa	IIW-Doc-XII-1994-10 (IIW2010), (2010)
B4 Mechanical and thermal properties of vapor-grown carbon fiber reinforced aluminum matrix composites by plasma sintering	Z. F. Xu Y.B.Choi K. Matsugi D.C. Li G.Sasaki	Materials Transactions, 51 , 3 (2010) pp. 510-515
B5 Alloy design of Ti alloys using ubiquitous alloying elements and characteristics of their levitation-melted alloys	K. Matsugi T. Endo Y. B. Choi G.Sasaki	Materials Transactions, 51 , 4 (2010) pp. 740-748
B6 Preparation of unidirectional carbon fiber perform for Cf/Al composites	M. H. Lee Y. B. Choi K. Matsugi G. Sasaki	Proceedings of the 12th International Conference on Aluminium Alloys, (2010) pp. 867-872
B7 Fabrication and Characterization of Unidirectional Cf/Al Composites	M. H. Lee Y. B. Choi K. Sugio H. Fukushima K. Matsugi G. Sasaki	Proc. of 8th Joint Canada-Japan Workshop on Composites, (2010) pp. 173-180
B8 Effect of Microstructure on Thermal Properties for VGCF/ Aluminum Composites fabricated by Spark Sintering Process	Gen Sasaki Zhefeng Xu Kenji Sugio Yong-Bum Choi Kazuhiko Matsugi	Proceedings of the 12th International Conference on Aluminium Alloys, (2010) pp. 873-877
B9 Low Infiltration Process of Molten Aluminum Alloy to C/C Preform with Nickel Coating	G. Sasaki M. Morioka K. Sugio H. Fukushima Y. B. Choi K. Matsugi	Proc. of 8th Joint Canada-Japan Workshop on Composites, (2010)
B10 Properties of Small Rotary Engine Housing Fabricated by Aluminum Alloy Matrix Composites	Nobuyuki Fuyama Akira Terayama Toshio Fujii Hajime Tani Shinji Danjo Gen Sasaki	Materials Science Forum, 638-642 (2010) pp. 933-938
B11 Effect of Interfacial Reaction on High Temperature Properties of Fe-Cr-Si Fiber Reinforced AC8A Aluminum Composites	N. Fuyama A. Terayama T. Fujii T. Shiraishi Y. Miyake G. Sasaki	Materials Science Forum, 654-656 (2010) pp. 2696-2699

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B12 Fabrication of Carbon Nano-Fiber / Aluminum Composites by Low-Pressure Infiltration Method	G. Sasaki Y. Hara Z. F. Xu K. Sugio H. Fukushima Y. B. Choi K. Matsugi	Materials Science Forum, 654-656 (2010) pp. 2692-2695
B13 Searches for High Frequency Variations in the ^8B Solar Neutrino Flux at the Sudbury Neutrino Observatory	B. Aharmim Ryuta Hazama et al.	Astrophysical Journal, 710 (2010) pp. 540-548
B14 Development of a new rectangular NaI(Tl) scintillator and spectroscopy of low-energy charged particles	H. Nakamura H. Kitamura Ryuta Hazama	Review of Scientific Instruments, 81 (2010) pp. 013104-1-013104-4
B15 Low energy threshold analysis of the Phase I and Phase II data sets of the Sudbury Neutrino Observatory	B. Aharmim Ryuta Hazama et al.	Physical Review C, 81 (2010) pp. 055504-1-055504-49
B16 Radiation measurements with heat-proof polyethylene terephthalate bottles	H. Nakamura H. Kitamura Ryuta Hazama	Proceedings of the Royal Society A (Math, Phys. & Eng. Sci.), 466 (2010) pp. 2847-2856
B17 Solubility, Light Output and Energy Resolution Studies of Molybdenum-Loaded Liquid Scintillators	V.M. Gehman P.J. Doe R.G.H. Robertson D.I. Will H. Ejiri Ryuta Hazama	Nuclear Instruments and Methods in Physics Research A, 622 (2010) pp. 602-607
B18 Light output response of KamLAND liquid scintillator for protons and ^{12}C nuclei	S. Yoshida T. Ebihara T. Yano A. Kozlov T. Kishimoto I. Ogawa Ryuta Hazama, et al.	Nuclear Instruments and Methods in Physics Research A, 622 (2010) pp. 574-582
B19 Dark matter search by means of segmented scintillator (PICO-LON)	K. Fushimi Ryuta Hazama et al.	J. Phys. Conf. Ser., 203 (2010) pp. 012046-1-012046-3
B20 The MAJORANA Project	C.E. Aalseth Ryuta Hazama et al.	J. Phys. Conf. Ser., 203 (2010) pp. 012057-1-012057-3
B21 MOON for Double-Beta Decays and Neutrino Nuclear Responses	K. Fushimi Ryuta Hazama et al.	J. Phys. Conf. Ser., 203 (2010) pp. 012064-1-012064-3
B22 Study of ^{48}Ca double beta decay with CANDLES	I. Ogawa Ryuta Hazama et al.	J. Phys. Conf. Ser., 203 (2010) pp. 012073-1-012073-3
B23 Metal coating effect on thermal diffusivity of single-walled carbon nanotube	Shuhei Inoue Yukihiko Matsumura	CHEMICAL PHYSICS LETTERS, 495 , 1-3 (2010) pp. 80-83
B24 Prospective growth region for chemical vapor deposition synthesis of carbon nanotube on C-H-O ternary diagram	Takashi Tomie Shuhei Inoue Masamichi Kohno Yukihiko Matsumura	DIAMOND AND RELATED MATERIALS, 19 , 11 (2010) pp. 1401-1404
B25 Synthesis of Single-walled Carbon Nanotube	Kyohei Ito Shuhei Inoue Yukihiko Matsumura	Proceedings of International Conference on Science and Technology of Synthetic Metals 2010, (2010)
B26 MD Study for Functionalized Single-Walled Carbon Nanotube	Shuhei Inoue Yukihiko Matsumura	Proceedings of International Conference on Flow Dynamics 2010, (2010)
B27 Molecular Dynamic Simulation for Metal � Carbon Nanotube Composite Materials	Shuhei Inoue Yukihiko Matsumura	Proceedings of International Conference on Science and Technology of Synthetic Metals 2010, (2010)

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B28 A Fundamental Investigation on the Effect of the Ejection Velocity Ratio on the Characteristics of the Rapidly Mixed Tubular Flame Combustion	Daisuke Shimokuri Daisuke Watanabe Yoshiro Eto Yanlei Wang Baolu Shi Satoru Ishizuka	Proceedings of the Eighth Asia-Pacific Conference on Combustion, (2010)
B29 Characteristics of the Ignition and Combustion of Bio-Diesel Fuel Spray Injected by a Common Rail Injection System for a Direct-Injection Diesel Engine	Olawole Abiola Kuti Xiangang Wang Wu Zhang Keiya Nishida Zuohua Huang	Journal of Automobile Engineering, Part D, Institution of Mechanical Engineers, 224 (2010) pp. 1581-1596
B30 Effect of Injection Pressure on Flame and Soon Characteristics of the Biodiesel Spray	Xiangang Wang Olawole Abiola Kuti Wu Zhang Keiya Nishida Zuohua Huang	Combustion Science and Technology, 182 , 10 (2010) pp. 1369-1390
B31 An Experimental Investigation on Spray, Ignition and Combustion Characteristics of Biodiesels	Xiangang Wang Zuohua Huang Olawole Abiola Kuti Wu Zhang Keiya Nishida	Proceedings of the Thirty Third Symposium (International) on Combustion, 33 , 2011 (2010) pp. 2071-2077
B32 Gas Entrainment Characteristics of Diesel Spray Injected by a Group-Hole Nozzle	Seoksu Moon Yuhei Matsumoto Keiya Nishida Jian Gao	Fuel, 89 (2010) pp. 3287-3299
B33 Improving Diesel Mixture Preparation by Optimization of Orifice Arrangements in a Group-Hole Nozzle	Seoksu Moon Yuhei Matsumoto Keiya Nishida Jia Gao	International Journal of Engine Research, 11 , 2 (2010) pp. 109-126
B34 Experimental and Analytical Study on Biodiesel and Diesel Spray Characteristics under Ultra-High Injection Pressure	Xiangang Wang Zuohua Huang Olawole Abiola Kuti Wu Zhang Keiya Nishida	International Journal of Heat and Fluid Flow, 31 , 4 (2010) pp. 659-666
B35 Effect of Injection Pressure on Ignition, Flame Development and Soot Formation Processes of Biodiesel Fuel Spray	Olawole Abiola Kuti Wu Zhang Keiya Nishida Xiangang Wang Zuohua Huang	SAE International Journal of Fuels and Lubricants, 3 , 2 (2010) pp. 1057-1070
B36 Mixture Formation and Combustion of Diesel Sprays from Micro-Hole Nozzle under Ultra-High Injection Pressure	Wu Zhang Keiya Nishida	CD-ROM Proceedings of THIESEL 2010 Conference on Thermo-and Fluid Dynamic Processes in Diesel Engines, (2010) pp. 1-14
B37 Effect of Injection Pressure on Ignition, Flame Development and Soot Formation Processes of Biodiesel Fuel Spray	Olawole Abiola Kuti Keiya Nishida Jingyu Zhu Wu Zhang Xiangang Wang Zuohua Huang	CD-ROM Proceedings of 2010 Small Engine Technology Conference, SAE Paper No. 2010-32-0053/ JSAE Paper No. 20109053 (2010) pp. 1-14
B38 Effects of Ultra-High Injection Pressure and Microhole Nozzle on Flame Structure and Soot Formation of Impinging Diesel Spray	Xiangang Wang Zuohua Huang Wu Zhang Olawole Abiola Kuti Keiya Nishida	Proceedings of the 10th International Conference on Combustion and Energy Utilization, (2010) pp. 1-10
B39 Spray and Flame Characteristics of Biodiesel Fuel Injected by Common Rail Injection System for D.I. Diesel Engine	Olawole Abiola Kuti Keiya Nishida Jingyu Zhu Wu Zhang Xiangang Wang Zuohua Huang	CD-ROM Proceedings of 8th ASPACC-10, Asia Pacific Conference on Combustion, (2010) pp. 1-8
B40 Laser Absorption-Scattering Technique Applied to Asymmetric Evaporating Fuel Sprays for Simultaneous Measurement of Vapor/Liquid Mass Distributions	Jian Gao Keiya Nishida	Applied Physics B, 101 (2010) pp. 433-443

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B41 Simultion and Analysis of Group-Hole Nozzle Sprays Using a Gas Jet Superposition Model	Jian Gao Sung Wook Park Yue Wang Rolf D. Reitz Seoksu Moon Keiya Nishida	Fuel, 89 (2010) pp. 3758-3772
B42 Research on Combustion System of DISC Gasoline Engines II: Mixture Formation Process in the Spark-Chamber	Jiang-Ping Tian Wu-Qiang Long Keiya Nishida Wu Zhang	Transactions of CSICE, 28 , 4 (2010) pp. 309-315
B43 Spectroscopic Investigations on OH Radicals Generated in He/Water and Air/Water Mixtures by an Atmospheric Pressure Surface Discharge Micro Plasma Device	Ken Takiyama Hideo Nojima Tsuyoshi Noi Shinichi Namba Tsutomu Yamasaki	Proceedings of the 7th International Conference on Reactive Plasmas, (2010)
B44 Spatially Resolved Spectroscopic Study of Arcjet Helium Plasma Expanding through a Rectangular Converging and Diverging Nozzle	S. Namba N. Yashio K. Kozue K. Nakamura K. Takiyama K. Sato	Annual report of national institute for fusion science, 2010 (2010) pp. 319
B45 Practical Qbeta analysis method based on the Fermi-Kurie plot for spectra measured with total absorption BGO detector	H. Hayashi Y. Kojima M. Shibata K. Kawade	Nucl. Instruments and Methods A, 613 (2010) pp. 79-89
B46 Measurements of neutron distribution in neutrons-gamma rays mixed field using imaging plate for neutron capture therapy	K. Tanaka S. Endo M. Hoshi	Appl. Radiat. Isot. 68, 207-210, 68 (2010) pp. 207-210
B47 Dose Rate Estimation around a ⁶⁰ Co Gamma-ray Irradiation Source by means of ¹¹⁵ In Photoactivation	A. Murataka S. Endo Y. Kojima K. Shizuma	J. Radiat. Res., 51 (2010) pp. 197-203
B48 Measurement of Neutron and Photon Microdosimetric Spectra produced from 290 MeV/A Spread Out Bragg Peak Carbon beam	S. Endo M. Takada H. Tanaka Y. Onizuka K. Tanaka N. Miyahara M. Ishikawa M. Hoshi S. Kimura K. Shizuma	Radiat Environ Biophys, 49 (2010) pp. 469-475
B49 Genome-Wide Expression Changes in Saccharomyces cerevisiae in Response to High-LET Ionizing Radiation	S. Mizukami-Murata H. Iwahashi S. Kimura K. Nojima Yo. Sakurai T. Saitou N. Fujii Y. Murata S. Suga K. Kitagawa K. Tanaka S. Endo M. Hoshi	Appl Biochem Biotechnol, 162 (2010) pp. 855-870
B50 Dosimetric verification of the anisotropic analytical algorithm in lung equivalent heterogeneities with and without bone equivalent heterogeneities	K. Ono S. Endo K. Tanaka M. Hoshi Y. Hirokawa	Med. Phys, 37 , 8 (2010) pp. 4456-4463

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B51 Feasibility using ^{236}U to reconstruct close-in fallout deposition from the Hiroshima Atomic Bomb	A. Sakaguchi K. Kawai P. Steier T. Imanaka M. Hoshi S. Endo K. Zhumadilov M. Yamamoto	Sci. Tot. Environm, 408 (2010) pp. 5392-5398
B52 Measurements of ^{60}Co in massive steel samples exposed to the Hiroshima atomic bomb explosion	J. Gasparro M. Hult G. Marissens M. Hoshi K. Tanaka S. Endo M. Laubenstein	JRC scientific and Technical report La-NA-24146-EN-C, (2010) pp. 1-13
B53 Air bending and springback of stainless steel clad aluminum sheet	Kerim Yilamu Ryutaro Hino Hiroshi Hamasaki Fusahito Yoshida	Journal of Materials Processing Technology, 210 , 2 (2010) pp. 272-278
B54 Bauschinger Effect on Springback of Clad Sheet Metals in Draw Bending	Kerim Yilamu Ryutaro Hino Hiroshi Hamasaki Fusahito Yoshida	Materials Transactions, 51 , 7 (2010) pp. 1364-1366
B55 Springback simulation of high strength steel sheets calculated by Yoshida-Uemori model	Takeshi Uemori Satoshi Sumikawa Shohei Tamura Hiroyuki Akagi Tetsuo Naka Fusahito Yoshida	Steel Research International, 81 , 9 (2010) pp. 825-828
B56 Prediction of fracture for high strength steel sheets under stretch bending	Tetsuo Naka Takanori Kurose Takeshi Uemori Ryutaro Hino Fusahito Yoshida	Steel Research International, 81 , 9 (2010) pp. 841-844
B57 Reduction of springback by bottoming and ironing on high strength steel sheet	Takayuki Ogawa Atsushi Hirahara Fusahito Yoshida	Steel Research International, 81 , 9 (2010) pp. 845-848
B58 Incremental forming with local heating for aluminum-magnesium alloy sheet	Ryutaro Hino Naoaki Nagaishi Yuki Yamamoto Tetsuo Naka Fusahito Yoshida	Steel Research International, 81 , 9 (2010) pp. 946-949
B59 Elasto-Plasticity Behavior of High Strength Steel Sheet in Biaxial Stress Path Change	Takeshi Uemori Tohru Kuramitsu Yuji Mito Ryutaro Hino Tetsuo Naka Fusahito Yoshida	Materials Transactions, 51 , 10 (2010) pp. 1814-1818
B60 CONSTITUTIVE MODELING FOR HIGH-TEMPERATURE VISCOPLASTIC BEHAVIOUR OF BETA TITANIUM ALLOY SHEET	Hiroshi Hamasaki Xiaoteng Wang Ryota Yamauchi Michio Yamamura Takashi Maeda Yoshihisa Shirai Fusahito Yoshida	Proceedings of The 16th International Symposium on Plasticity and Its Current Applications (CD-ROM), 2010 (2010)
B61 ELASTO-PLASTICITY BEHAVIOR OF HIGH STRENGTH STEEL SHEET IN BIAXIAL STRESS PATH CHANGE	Takeshi Uemori Yuji Mito Satoshi Sumikawa Fusahito Yoshida	Proceedings of The 16th International Symposium on Plasticity and Its Current Applications (CD-ROM), (2010)
B62 Reliable Process Design of Tension Leveling Process by Means of Taguchi's Method and Stochastic Optimization	Hiroshi Hamasaki Kenko Gejima Fusahito Yoshida Vassili V. Toropov	Proceedings of CJK-OSM6: 6th China-Japan-Korea Joint Symposium on Optimization of Structural and Mechanical Systems (CD-ROM), (2010)

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B63 Material models for accurate simulation of sheet metal forming and springback	Fusahito Yoshida	Proceedings of the 10th International Conference on Numerical Methods in Industrial Forming Processes (NUMIFORM 2010), (2010) pp. 71-78
B64 Elasto-plasticity behavior of type 5000 and 6000 aluminum alloy sheets and its constitutive modeling	Shohei Tamura Satoshi Sumikawa Hiroshi Hamasaki Takeshi Uemori Fusahito Yoshida	Proceedings of the 10th International Conference on Numerical Methods in Industrial Forming Processes (NUMIFORM 2010), (2010) pp. 630-637
B65 Reduction of springback of sheet metals by bottoming	Takayuki Ogawa Atsushi Hirahara Fusahito Yoshida	Proceedings of the 10th International Conference on Numerical Methods in Industrial Forming Processes (NUMIFORM 2010), (2010) pp. 919-926
B66 Experimental Observation of Elasto-Plasticity Behavior of Type 5000 and 6000 Aluminium Alloy Sheets	Shohei Tamura Satoshi Sumikawa Takeshi Uemori Hiroshi Hamasaki Fusahito Yoshida	Proceedings of the 12th International Conference on Aluminium Alloys (ICAA12), (2010) pp. 2090-2095
B67 Springback Analysis of Aluminium Alloy Sheet with Special Reference to Effect of Planar Anisotropy	Takeshi Uemori Satoshi Sumikawa Shohei Tamura Hiroyuki Akagi Fusahito Yoshida	Proceedings of the 12th International Conference on Aluminium Alloys (ICAA12), (2010) pp. 2102-2107
B68 Prediction of Anisotropy and Yield Surface of Aluminium Sheet by Polycrystal Plasticity Theory	Koshiro Kitayama Takumi Kobayashi Takeshi Uemori Fusahito Yoshida	Proceedings of the 12th International Conference on Aluminium Alloys (ICAA12), (2010) pp. 2180-2185
B69 Effects of Rehydration on Dentin Strengthened by Heating or UV Irradiation	Mikako Hayashi K. Okamura E.V. Koychev Y. Furuya A. Sugeta T. Ota S. Ebisu	Journal of Dental Research, 82 , 2 (2010) pp. 154-158
B70 Coating of TiB ₂ dispersed Ti50Ni50 superelastic alloy layer onto Ti-6Al-4V alloy by spark and resistance sintering	Longxian Ding Keijiro Nakasa Masahiko Kato Taiga Inoue	Surface & Coatings Technology, 204 (2010) pp. 1738-1748
B71 Measurement of Delamination Energy of Sputtered SiC Film Coated on Tool Steel Substrate	Masahiko KATO Koumei FUJIOKA Hiroyuki AKEBONO Atsushi SUGETA	Journal of JSEM, 10 (2010) pp. 141-145
B72 Effect of Intermediate Layer on Wear-delamination Life of Low-frictional SiC-2.6mass% Ti Film Sputter-deposited on Titanium Substrate	Jin-Hua Zheng Masahiko Kato Keijiro Nakasa	Surface & Coatings Technology, 205 (2010) pp. 2532-2537
B73 Influence of Vacuum Pressure on Friction Coefficient of Sputtered SiC Film	Masahiko KATO Kohei KUROSE Hiroyuki AKEBONO Atsushi SUGETA	Proceedings of the 5th International Symposium on Advanced Science and Technology in Experimental Mechanics, CD-ROM (2010)

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C1 Long-term operation planning of district heating and cooling plants considering contract violation penalties	Masatoshi Sakawa Hideki Katagiri Takeshi Matsui Keiichi Ishimaru Satoshi Ushiro	Scientiae Mathematicae Japonicae, 72 , 2 (2010) pp. 185-194
C2 An interactive fuzzy satisficing method for multiobjective operation planning of district heating and cooling plants considering contract violation penalties	Masatoshi Sakawa Takeshi Matsui Keiichi Ishimaru Satoshi Ushiro	IAENG International Journal of Applied Mathematics, 40 , 3-11 (2010) pp. 1-9
C3 Heat load prediction in district heating and cooling systems through a recurrent neural network with data characteristics	Masatoshi Sakawa Hideki Katagiri Takeshi Matsui Keiichi Ishimaru Satoshi Ushiro	Scientiae Mathematicae Japonicae, e-2010 (2010) pp. 449-464
C4 Non-linear integer programming based on particle swarm optimisation combining diversification and intensification	Takeshi Matsui Masatoshi Sakawa Kosuke Kato Koichi Matsumoto	International Journal of Knowledge Engineering and Soft Data Paradigms, 2 , 3 (2010) pp. 251-262
C5 Interactive fuzzy programming based on fractile criterion optimization model for two-level stochastic linear programming problems	Masatoshi Sakawa Hideki Katagiri	Cybernetics and Systems, 41 , 7 (2010) pp. 508-521
C6 An Interactive Fuzzy Satisficing Method for Multiobjective Operation Planning of District Heating and Cooling Plants Considering Various Penalties for Violation of Contract	Masatoshi Sakawa Takeshi Matsui Keiichi Ishimaru Satoshi Ushiro	Proceedings of the International MultiConference of Engineers and Computer Scientists 2010 Vol. III, IMECS2010, (2010) pp. 2127-2133
C7 Stackelberg solutions for fuzzy random two-level linear programming through level sets and expectation optimization	Masatoshi Sakawa Hideki Katagiri Takeshi Matsui	Proceedings of Joint 5th International Conference on Soft Computing and Intelligent Systems and 11th International Symposium on Advanced Intelligent Systems, (2010) pp. 1056-1060
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D85 Dependability analysis of a scalable intrusion tolerant architecture with two detection modes	T. Uemura T. Dohi N. Kaio	Journal of Internet Technology, 11 , 2 (2010) pp. 289-298
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D124 An evolutionary approach for gene selection and classification of microarray data based on SVM error-bound theories	Rameswar Debnath Takio Kurita	BioSystems, 100 , 1 (2010) pp. 39-46
D125 Extraction of combined features from global/local statistics of visual words using relevant operations	Tetsu Matsukawa Takio Kurita	IEICE Trans. On Information and Systems, E93-D , 10 (2010) pp. 2870-2871
D126 Prediction of carcinogenicity for diverse chemicals based on substructure grouping and SVM modeling	Kazutoshi Tanabe Bono Lucic Dragan Amic Takio Kurita Mikio Kaihara Natsuo Onodera Takahiro Suzuki	Molecular Diversity, 14 , 4 (2010) pp. 789-802
D127 Combined Feature Extraction from Global/Local Statistics of Visual Words using Relevant Operations	Tetsu Matsukawa Takio Kurita	Proc. of the 16th Korea-Japan Joint Workshop on Frontiers of Computer Vision (FCV2010), (2010) pp. 492-497
D128 Finding a sub-optimal combination of the binary classifiers for multi-class classification problems	Yoshito Murayama Tetsu Matsukawa Takio Kurita	Proc. of the 16th Korea-Japan Joint Workshop on Frontiers of Computer Vision (FCV2010), (2010) pp. 336-341
D129 Online Selection of Discriminative Pixel-Pair Feature for Tracking	Kenji Nishida Takio Kurita Masaharu Higashikubo	Proc. of IASTED Conf. on Signal Processing, Pattern Recognition

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D137 Algorithm for Computing Convex Skyline Objectsets on Numerical Databases	Md. Anisuzzaman Siddique Yasuhiko Morimoto	IEICE Transactions on Information and Systems, E93-D , 10 (2010) pp. 2709-2716
D138 k-dominant and Extended k-dominant Skyline Computation by Using Statistics	Md. Anisuzzaman Siddique Yasuhiko Morimoto	International Journal on Computer Science and Engineering, 2 , 5 (2010) pp. 1934-1943
D139 Co-location Pattern Mining for Unevenly Distributed Data: Algorithm, Experiments	Yasuhiko Morimoto	International Journal of Computational Science and Engineering, 5 , 3/4 (2010) pp. 185-196
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E2 Characterization of Silica-coated Silver Nanoparticles Prepared by a Reverse Micelle and Hydrolysis-condensation Process	N. Hagura W. Widiyastuti F. Iskandar K. Okuyama	Chem. Eng. J., 156 , 1 (2010) pp. 200-205
E3 Indium Tin Oxide Nanofiber Film Electrode for High Performance Dye Sensitized Solar Cells	F. Iskandar A. B. Suryamas M. Kawabe M. M. Munir K. Okuyama T. Tarao T. Nishitani	Jpn. J. Appl. Phys., 49 (2010) pp. 10213-10215
E4 Preparation of size-controlled tungsten oxide nanoparticles and evaluation of their adsorption performance	D. Hidayat A. Purwanto W. N. Wang K. Okuyama	Mater. Res. Bull., 45 , 2 (2010) pp. 165-173
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E6 Droplet generation and nanoparticle formation in low-pressure spray pyrolysis	D. Hidayat W. Widiyastuti T. Ogi K. Okuyama	Aerosol Sci. Technol., 44 , 8 (2010) pp. 692-705
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E8 Formation of Highly Ordered Nanostructures by Drying Micrometer Colloidal Droplets	S.Y. Lee L. Gradon S. Janeczko F. Iskandar K. Okuyama	ACS Nano, 4 , 8 (2010) pp. 4717-4724
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E10 Experimental evaluation of the pressure and temperature dependence of ion-induced nucleation	M. M. Munir A. Suhendi T. Ogi F. Iskandar K. Okuyama	J. Chem. Phys., 133 (2010) pp. 124315-1-124315-8
E11 Nanoparticle Formation in Spray Pyrolysis Under Low-Pressure Conditions	W. Widiyastuti R. Balgis F. Iskandar K. Okuyama	Chem. Eng. Sci., 65 , 5 (2010) pp. 1846-1854
E12 Particle Dynamics Simulation of Nanoparticle Formation in a Flame Reactor using a Polydispersed Submicron-Sized Solid Precursor	W. Widiyastuti D. Hidayat A. Purwanto F. Iskandar K. Okuyama	Chem. Eng. J., 158 , 2 (2010) pp. 362-367

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E15 Enhancement of the thermal stability and the mechanical properties of a PMMA/aluminum trihydroxide composite synthesized via bead milling	I. M.Joni T. Nishiwaki K. Okuyama S. Isoi R. Kuribayashi	Powder Technology, 204 (2010) pp. 145-153
E16 Electrical conductivity of copper nanoparticle thin films annealed at low temperature	A. Yabuki N. Arriffin	Thin Solid Films, 518 , 23 (2010) pp. 7033-7037
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E20 Solubility of beta-Diketonate Complexes for Cobalt(III) and Chromium(III) in Supercritical Carbon Dioxide	Masashi Haruki Fumiya Kobayashi Masaaki Okamoto Shin-ichi Kihara Shigeki Takishima	Fluid Phase Equilibria, 297 (2010) pp. 155-161
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E28 "Pre-seeding"-assisted synthesis of high performance polyamide-zeolite nanocomposite membrane for water purification	C. Kong T. Shintani T. Tsuru	New Journal of Chemistry, 34 (2010) pp. 2101-2104
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E30 Zeolite nanocrystals prepared from zeolite microparticles by a centrifugation-assisted grinding method	C. Kong T. Tsuru	Chemical Engineering and Processing: Process Intensification, 46 (2010) pp. 809-814
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E36 Permeation characteristics of electrolytes and neutral solutes through titania nanofiltration membranes at high temperatures	T. Tsuru K. Ogawa M. Kanezashi T. Yoshioka	Langmuir, 26 (2010) pp. 10897-10925
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E49 Synthesis of Gallium Nitride Nanoparticles by Microwave Plasma Enhanced Chemical Vapor Deposition Method	M. Shimada W.-N. Wang K. Okuyama	Chem. Vap. Deposition, 16 , 4-6 (2010) pp. 151-156
E50 Inflammogenic Effect of Well-characterized Fullerene in Inhalation and Intratracheal Instillation Studies	Y. Morimoto M. Hirohashi A. Ogami T. Oyabu T. Myojo K. Nishi C. Kadoya M. Todoroki M. Yamamoto M. Murakami M. Shimada W.-N. Wang K. Yamamoto K. Fujita S. Endoh K. Uchida N. Shinohara J. Nakanishi I. Tanaka	Part. and Fibre Toxicol., 7 , 1 (2010) pp. 4
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E53 Surface ozonation of polyvinyl chloride for its separation from waste plastic mixture by froth floatation	Mallampati Srinivasa REDDY Tetsuji OKUDA Keisuke KUROSE Tung Yueh TSAI Satoshi NAKAI Wataru NISHIJIMA Mitsumasa OKADA	Journal of Material Cycles and Waste Management, 12 , 4 (2010) pp. 326-331
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E56 Food waste mineralization and accumulation in biological solubilization and composting process	Hazel B. Gonzales Hideki Sakashita Yoichi Nakano Wataru Nishijima Mitsumasa Okada	Chemosphere, 79 , 2 (2010) pp. 238-241
E57 Chemical stabilization of bottom ash from municipal solid waste incineration and prediction of DOC leaching in landfill sites	Andre L. Guimaraes Tetsuji Okuda Wataru Nishijima Mitsumasa Okada	Journal of Water and Environment Technology, 8 , 2 (2010) pp. 141-150
E58 Development of artificial basal media for sustainable eelgrass bed	Kazunori EMOTO Yoichi NAKANO Amelia B. HIZON- FRADEJAS Satoshi NAKAI Wataru NISHIJIMA Mitsumasa OKADA	Proceedings of the 19th Japan-Korea Symposium on Water Environment, (2010) pp. 173-182
E59 Polyphenols and fatty acids responsible for anti-cyanobacterial allelopathic effects of a submerged macrophyte <i>Myriophyllum spicatum</i>	Satoshi NAKAI Tetsuji OKUDA Wataru NISHIJIMA Masaaki HOSOMI Mitsumasa OKADA	IWA World Water Congress and Exhibition, (2010)
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E61 Effect of silt and clay addition on larval settlement of short-neck clam <i>Ruditapes philippinarum</i> onto coarse sand	Satoshi NAKAI Ryo ISHII Tsung-Yueh TSAI Tetsuji OKUDA Wataru NISHIJIMA Mitsumasa OKADA	Proceedings of the 9th Chin-Japan Symposium on Water Environment, (2010) pp. 15-20

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F2 OFET Characteristics of Stretched Poly(3-hexylthiophene) Films	Y. Kunugi Y. Yamada H. Horiuchi H. Hiratsuka J. Ohshita	Electrochemistry, 3 (2010) pp. 191-193
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J13 Endotoxin assay by bioluminescence using mutant firefly luciferase	K. Noda H. Goto Y. Murakami A. B. Ahmed A. Kuroda	Anal. Biochem., 397 , 2 (2010) pp. 152-155
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