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Y. Himeno, T. Shirafuji
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- P1002A **Effect of superposition of ultrasonic power on microwave plasma under water**
T. Takahashi, ¹N. Takada, ^{1,2}H. Toyoda
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- P1003A **Application of atmospheric pressure plasma in element analysis of agricultural products**
J. Kularatne, ²H. Kano, ³M. Ito, ³T. Ohta, ¹K. Takeda, ¹K. Ishikawa, ¹H. Kondo, ¹M. Sekine, ¹M. Hori
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- P1004A **Behavior of metastable He atom at middle pressure in micro hollow cathode discharge**
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- P1005A **MEMS plasma VUV light source**
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- P1007A **VUV emission from transportable micro plasma light source system**
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- P1008A **Influence of oxygen gas on the characteristics of self-organized luminaous pattern formation in atmospheric DC glow discharge with liquid electrode**
N. Shirai, S. Uchida, F. Tochikubo
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- P1009A **Temporal variation of alkaline metals in an atmospheric-pressure pulsed-plasma with liquid electrode**
¹H. Suzuki, ¹T. Takaba, ¹N. Takada, ^{1,2}H. Toyoda
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- P1010A **Time-resolved measurement of electric field in Ar and N₂ atmospheric-pressure microwave plasmas**
¹K. Egashira, ¹T. Murase, ^{1,2}H. Toyoda
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- P1011A **Development of large volume planar inductively coupled thermal plasma torch with current modulation**
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- P1012A **Measurement of hydroxyl radical in an atmospheric pressure plasma driven by nano-second pulsed discharge**
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- P1013A **High H radical density produced by 1-m-length atmospheric pressure microwave plasma system**
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- P1014A **Absolute O atom density measurement in surface wave plasma with a compact microwave plasma light source by vacuum ultraviolet absorption spectroscopy**
¹X. Chang, ²K. Sasaki, ¹M. Nagatsu
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- P1015A **Production of surface-wave excited plasma in low pressures**
T. Noda, M. Nakabo, H. Toyoda
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- P1016A **Decompositions of CO₂ and NO_x by large flow atmospheric microwave plasma LAMP -Industrial application to motorcar-**
S. Niwa, ¹Y. Morii, ¹A. Pandey, ¹S. Ikezawa, ²N. Nagase
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- P1017A **Development of LAMP (large flow atmospheric microwave plasma) system into motorcar**
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- P1018A **The atmospheric pressure plasmas**
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- P1019A **Photocatalytic destruction of ethylene using microwave discharge electrodeless plasma lamp**
¹S. Jung, ²D. Lee
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- P1020A **Control of helium jet trajectory by atmospheric pressure jet plasma**
S. Park, W. Choe
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- P1021A **Atmospheric pressure glow discharge in the frequency range based on the mechanism of ion capture**
L. Jia, W. Liu
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T. Hiraoka, ¹T. Tsutsumi, ²H. Kato, ¹K. Takeda, ²T. Ohta, ¹H. Kondo, ¹K. Ishikawa, ²M. Ito, ¹M. Sekine, ¹M. Hori
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- P1023A **Real time temperature measurements of film-covered-substrate employing fourier domain low coherence interferometer during plasma processes**
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- P1024A **Effects of configuration on resonance characteristics of plane-type microwave resonator probe**
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- P1025A **Thomson scattering diagnostics of pulsed filament discharges produced at near-atmospheric pressure**
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M. Aramaki, A. Kono
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- P1028A **Absolute density of fluorine atom in capacitively coupled plasma employing hydro-fluorocarbon gases for highly selective SiO₂ etching**
T. Komuro, K. Takeda, K. Ishikawa, M. Sekine, H. Kondo, M. Hori
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- P1030A **In-situ photo luminescence observation of GaN thin film exposed in inductively-coupled plasmas**
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- P1031A **Cavity ring down measurements of SiH₃-behavior in SiH₄/H₂ plasma**
Y. Abe, A. Fukushima, Y. Kim, K. Takeda, H. Kondo, K. Ishikawa, M. Sekine, M. Hori
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- P1032A **Absolute cross section measurement for electron-impact dissociation of CH₂F₂ into CH₂F**
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- P1033A **Measurement of species in non-equilibrium atmospheric pressure plasma using near infrared absorption spectroscopy with supercontinuum light**
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- P1034A **Stable molecules in N₂-H₂ plasmas measured by a quartz sensor**
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- P1035A **Improvement on quantification measurement of fly ash contents using laser induced breakdown spectroscopy**
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- P1036A **Spatial evolution study of EEDF and plasma parameters in RF-CCP stochastic regime by langmuir probe**
Withdrawn D. Mendil, ¹H. Lahmar, ²L. Boufendi
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- P1037A **Spectroscopic study of arc spot initiated on nanostructured tungsten**
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- P1038A **Infrared spectroscopic study on plasma induced reaction on Si surface**
Y. Takami, Y. Takaki, M. Shinohara, Y. Matsuda, H. Fujiyama
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- P1039A **Development of MIR-IRAS monitoring system for solution plasmas**
A. Fukae, K. Amano, Y. Takaki, Y. Takami, M. Shinohara, Y. Matsuda, H. Fujiyama
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- P1040A **Combination of methanol addition and collision cell technology for the trace analysis of arsenic in leachate containing high chlorine concentration by inductively coupled plasma mass spectrometer**
J. An, J. Kim, M. Kong, S. Choi, H. Yoon
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- P1041A **Sensitive measurement of trace elements using low pressure and short pulse laser-induced plasma**
^{1,2}Z. Wang, ²Y. Deguchi, ²M. Kuwahara, ^{1,2}X. Zhang, ¹J. Yan, ¹J. Liu
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- P1042A **$2p_{3/2}^{-1}3x^{-1}3x^{-1}4d^1$ high-energy X-Ray satellites spectra in the $L\beta_2$ region**
Withdrawn S. Poonia
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- P1043A **Ion assisted deposition of magnetron sputtering**
Withdrawn ¹R. Tadjine, ²M. Kechouane, ¹M. Alim
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- P1044C **Graphene synthesis by thermal chemical vapor deposition using solid precursor**
M. Ahmed, N. Kishi, T. Soga
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- P1045C **Use of diamond-like carbon (DLC) in engine components for ultra-low friction and environmentally friendly lubrication**
¹H. Tasdemir, ¹T. Tokoroyama, ¹H. Kousaka, ¹N. Umehara, ²Y. Mabuchi, ²T. Higuchi
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- P1046C **Tuning of magnetic properties of iron-filled carbon nanotubes**
A. Nagata, N. Kubonaka, H. Sato, Y. Fujiwara
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- P1047C **Effects of carbon nanowall scaffold and their chemical termination on cell culturing**
H. Watanabe, ¹H. Kondo, ¹Y. Okamoto, ¹M. Sekine, ²M. Hiramatsu, ¹Y. Baba, ¹M. Hori
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M. Inagaki, ¹K. Hata, ²K. Shiozawa, ²Y. Miyata, ¹Y. Ohno, ¹S. Kishimoto, ²H. Shinohara, ¹T. Mizutani
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Y. Lin, J. Lin
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- P1050C **Synthesis of $1L_1$ -ordered FePt nanoparticles encaged in carbon nanotubes**
K. Hori, ¹T. Kaneko, ¹Y. Fujiwara, ¹H. Sato, ¹K. Maeda, ²T. Kato, ¹T. Kobayashi, ²S. Iwata, ³M. Jimbo
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³Daido University, Japan
- P1051C **Tight-binding approach to C clustering at a step of SiC(001)**
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³NTT Corporation, Japan
- P1052C **High-performance, flexible, grid-structured carbon nanotube transparent conductive films**
N. Fukaya, ²Y. Kataoka, ^{2,3}D. Kim, ¹S. Kishimoto, ¹T. Mizutani, ^{2,3}S. Noda, ¹Y. Ohno
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- P1053C **Graphene growth by plasma CVD**
J. Kim, M. Ishihara, T. Yamada, Y. Koga, K. Tsugawa, M. Hasegawa, S. Iijima
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- P1054C **Electrical characteristics of UV/ozone-treated graphene**
Y. Mulyana, M. Horita, Y. Ishikawa, Y. Uraoka, S. Koh
Nara Institute of Science and Technology (NAIST), Japan
- P1055C **Fabrication of diamond/Heusler heterojunctions for spintronic applications**
T. Soumiya, K. Ueda, M. Nishiwaki, K. Kawamoto, N. Fukatani, H. Asano
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- P1056C **Synthesis of large area graphene by surface wave plasma CVD for transparent electrode application**
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Withdrawn D. Ghosh, P. Ghosh, T. Noda, M. Tanemura
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- P1058C **In-situ transmission electron microscopy observation of structural change during field emission process for Au-included carbon nanofibers**
¹C. Takahashi, ¹Y. Yaakob, ^{1,2}Z. Yusop, ¹M. Tanemura
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- P1059C **Diagnostics of particles in arc plasma for synthesizing single-wall carbon nanotubes**
¹A. Ando, ²K. Takeda, ¹T. Ohta, ¹M. Ito, ¹M. Hiramatsu, ³T. Suzuki, ³S. Inoue, ³Y. Ando, ²M. Hori
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³Meijo University, Japan

- P1060C **Formation and characteristics of Pt-Au nanoparticles supported on carbon nanowalls (CNWs) employing a supercritical fluid**
¹T. Horibe, ¹H. Kondo, ²H. Kano, ¹K. Ishikawa, ¹M. Sekine, ³M. Hiramatsu, ¹M. Hori
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- P1061C **Effects of morphological changes induced by hydrogen peroxide treatment on electrical properties of carbon nanowalls**
¹H. Shimoeda, ¹H. Kondo, ¹K. Takeda, ¹K. Ishikawa, ²M. Hiramatsu, ¹M. Sekine, ¹M. Hori
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- P1062C **Fabrication of carbon nanotube/zinc oxide composite films by microwave plasma jet chemical vapor deposition system**
C. Su, C. Huang
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- P1063C **Platelet adhesion on graphene containing carbon film prepared by pulsed plasma CVD**
¹T. Yoshida, ¹M. Matsushima, ²M. Noda, ¹T. Kizuki, ¹Y. Kodama, ¹H. Uchida, ¹M. Umeno, ¹K. Wakita
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- P1064C **Crystallographic and electrical properties of vertically-grown graphene sheets by CH₄/H₂ plasma**
¹H. Cho, ¹H. Kondo, ¹K. Ishikawa, ¹M. Sekine, ²M. Hiramatsu, ¹M. Hori
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- P1065C **Area-selective growth of carbon nanowall using plasma-enhanced CVD**
¹R. Tsukada, ¹M. Hiramatsu, ²H. Kondo, ²M. Hori
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- P1066C **Preparation of hydrogen-free DLC film on bottom of narrow hole by t-shape filtered-arc-deposition with pulse substrate bias**
Y. Morita, M. Hosoo, T. Kashiwagi, H. Tanoue, Y. Suda, H. Takikawa
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- P1067C **Effect of Ar gas addition on photoconductive characteristics of amorphous carbon films synthesized by plasma-enhanced chemical vapor deposition**
L. Yu, J. Kuki, H. Kondo, K. Ishikawa, M. Sekine, M. Hori
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- P1068C **Synthesis mechanism of carbon nanoparticle by solution plasma process in organic solutions**
¹O. Li, ^{2,3}J. Kang, ^{1,2,3}N. Saito
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- P1069C **Properties of iodine doped amorphous carbon thin film by thermal CVD**
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T. Maesaka, H. Sato, H. Miyake, K. Hiramatsu
Mie University, Japan
- P1071C **Room temperature fabrication of Au- and Ag- incorporated carbon nanofibers by ion irradiation and their field emission properties.**
^{1,2}Y. Yaakob, ^{1,3}M. Yusop, ¹C. Takahashi, ¹G. Kalita, ¹P. Ghosh, ¹Y. Hayashi, ¹M. Tanemura
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- P1072C **Superior properties of carbon nanowalls as cell scaffolds**
Y. Okamoto, H. Watanabe, K. Kubo, H. Kondo, N. Kaji, M. Tokeshi, M. Hori, Y. Baba
Nagoya University, Japan
- P1073C **Synthesis and FT-IR studies of ruthenium complexes in WO₃ nanocomposite**
¹H. Sung, ²T. Her, ²W. Su, ³C. Cheng
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²Lunghwa University of Science and Technology, Taiwan
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- P1074C **Surface-enhanced raman spectra of individual carbon nanowire**
¹X. Hou, ¹L. Sheng, ¹K. An, ¹L. Yu, ²Y. Ando, ¹X. Zhao
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- P1075C **Effects of surface structure on formation of graphene layer on nickel by pulse arc plasma deposition**
K. Banno, K. Fujita, T. Egawa, T. Soga
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- P1076C **Improvement of chemical vapor deposition for the purity of multi-walled carbon nanocoils**
¹Y. Suda, ¹S. Lim, ¹K. Maruyama, ¹H. Tanoue, ¹H. Takikawa, ²H. Ue, ³K. Shimizu
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- P1077C **Fabrication of carbon films using microwave plasma-enhanced CVD**
Y. Kashima, ¹M. Hiramatsu, ²H. Kondo, ²M. Hori
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- P1078C **Iodine doped carbon nanotubes obtained by electrochemical method**
¹H. Song, ¹Y. Ishii, ²T. Sakai, ¹S. Kawasaki
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²Toyota Motor Corporation, Japan
- P1079C **Electrochemical properties of carbon black nanoparticles by liquid phase plasma**
¹K. Yun, ¹B. Kim, ¹H. Jung, ²W. Kang, ³S. Jung, ¹S. Myung, ¹S. Kim
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- P1080C **Effect of ion acceleration onto the catalytic nanoparticles during the surface-wave plasma CVD on the low-temperature growth of carbon nanomaterials**
^{1,2}R. Bekarevich, ¹S. Miura, ¹A. Ogino, ²A. Rahachou, ¹M. Nagatsu
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- P1081C **Controllable graphene doping with plasma**
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- P1082C **Cu alloy film for reliable interconnects**
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Asia-Pacific Institute of Creativity, Taiwan
- P1083C **Thermal shock behaviour of ZrO₂/Ti functionally graded materials fabricated by spark plasma sintering**
H. Tsukamoto, Y. Komiya, H. Sato, Y. Watanabe
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- P1084C **Processing and characterization of carbon nanotube-exfoliated graphite nanoplatelet hybrid composites**
¹M. Kim, ¹B. Kim, ¹Y. Park, ²D. Son, ²D. Choi
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- P1085C **Development of PA6 - carbon nanotube composite for mechanical application**
T. Suzuki, ¹S. Inoue, ¹D. Tsuboi, ²K. Nojima, ²A. Tsuchimoto, ¹Y. Ando
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- P1086C **Field emission properties of carbon nanotube - zinc oxide films by microwave plasma chemical vapor deposition system**
C. Su, C. Huang
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- P1087C **Fabrication of Al-diamond grinding wheel using composite particles**
K. Taniguchi, ¹T. Kunimine, ¹H. Sato, ²K. Kurachi, ¹Y. Watanabe
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- P1088C **Novel diffraction gratings fabricated by plasma nano-technologies**
¹N. Ebizuka, ²M. Sasaki, ³A. Bianco, ³F. Zerbi, ⁴Y. Hirahara, ⁵W. Aoki, ¹M. Hori
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- P1089C **Resistive switching behaviors of Si-rich oxide with Ti-based electrodes**
¹A. Ohta, ²M. Fukusima, ²K. Makihara, ¹S. Higashi, ²S. Miyazaki
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- P1090C **Novel grain refiner with SUS304L stainless steel particles for Al casts**
N. Oshima, Y. Komiya, H. Tsukamoto, H. Sato, Y. Watanabe
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- P1091C **Development of Cu-based composites containing graphite particles by centrifugal mixed-powder method**
¹H. Sato, ¹K. Oguri, ¹M. Yamada, ^{1,2}Y. Oya, ¹T. Kunimine, ¹Y. Watanabe
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- P1092C **Microstructure of Cu/graphite composites formed by the addition of Ti**
¹W. Wei, ¹M. Yamada, ^{1,2}Y. Oya, ¹H. Sato, ¹Y. Watanabe
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- P1093C **Development of CrSiC/Cr/CrSiC three-layered strain sensitive films for high-temperature pressure sensors**
¹Y. Kakehi, ¹K. Satoh, ¹T. Matsunaga, ¹T. Kusaka, ²M. Matsumoto, ²H. Takenaka, ²M. Sawamura
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- P1094C **Anomalous phase transformation behavior induced by shot-peening for 304 type stainless steel**
A. Namba, H. Sato, Y. Watanabe
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- P1095C **Grain refinement of Al cast by reaction centrifugal mixed-powder method**
K. Yamauchi, T. Kunimine, H. Sato, Y. Watanabe
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- P1096C **Simultaneous deposition and photoresponse of PbSe/ZnSe composite thin film**
S. Abe
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- P1097C **Development of centrifugal caster for manufacturing of FGMs**
¹M. Setoguchi, ^{1,2}Y. Oya, ¹H. Sato, ¹Y. Watanabe
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- P1098C **Preparation of Ni(II) complexes with N,S-type macrocycle ligands and their reaction with hydride**
T. Ozawa, Y. Nodo, Z. Zhang, T. Inomata, Y. Funahashi, H. Masuda
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- P1099C **Effect of casting condition on particle distribution in diamond dispersed metal-based FGM fabricated by a centrifugal mixed-powder method**
¹E. Miura-Fujiwara, ²M. Yamada, ²H. Sato, ²T. Kunimine, ²Y. Watanabe
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- P1100C **Syntheses and characterizations of Co complexes with a neutral N₂S₂ donor ligand**
M. Shinmura, T. Inomata, Y. Funahashi, T. Ozawa, H. Masuda
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- P1101C **Effects of particles distribution on wear behavior of dispersion hardened alloys**
T. Tanaka, H. Sato, Y. Watanabe
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- P1102C **Selective hydroxylation of benzene to phenol using hydrophilic copper complex in presence of hydrogen peroxide**
M. Kamiya, T. Inomata, T. Ozawa, H. Masuda
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- P1103C **Machinability of CFRP plates by functionally graded grinding wheel with nano-composite abrasive grains fabricated by centrifugal sintered-casting method**
¹T. Kunimine, ²H. Tsuge, ³K. Kurachi, ¹M. Yamada, ¹H. Sato, ¹Y. Watanabe
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- P1104C **Structural and photoelectrical properties of Cu₂O and Cu₂O-Ag₂O layers synthesized by plasma oxidation**
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- P1105C **Mechanical properties of high-strength brass pipe fabricated by centrifugal casting with machining chips**
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- P1106C **Nanostructural characterization of GaBa₂Cu₃O_y containing nano-sized BaMO₃ (M: Hf, Zr, Sn) rods fabricated by pulsed laser deposition**
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- P1107C **Processing of SiC-particle-dispersed Al-matrix composites in solid-liquid co-existent state by SPS and their thermal properties**
¹K. Mizuuchi, ²K. Inoue, ¹Y. Agari, ¹J. Tani, ¹M. Sugioka, ¹M. Tanaka, ¹T. Takeuchi, ³M. Kawahara, ³Y. Makino, ⁴M. Ito
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- P1108C **Composition gradient in thick TiSiCN nanocomposites with plasma enhanced magnetron sputtering for mechanical strengthening**
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