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V. Shumova, D. Polyakov, L. Vasilyak
Joint Institute for High Temperatures, Russia
- 03pP02 **The Basic Study on Oxygen Radicals Generated in Solution with Atmospheric Pressure Plasma**
Y. Onishi, H. Matsuura, S. Komgmany, M. Furuta, K. Imamura, Y. Maeda, S. Okuda
Osaka Prefecture University, Japan
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- 03pP04 **Comparisons of Plasma Deposited Hexamethyldisiloxane and Tetramethyldisiloxane
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Plasma Dynamics in Detached Plasmas

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Dependence on Nitrogen Gas of Stable Molecules In N₂-H₂ Plasmas Measured by A Quartz Sensor

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Length Effect of Floating Wire Electrode In Transportable 144mhz Inductively Coupled Micro-Plasma Source

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Characteristics of Ferrite Core Material Properties in the 2 Mhz Ferrite Inductively Coupled Plasma

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- 03pP09 **Dependence of Detached Plasmas Formation on Magnetic Connection Length**
 ¹T. Yashiro, ¹N. Ohno, ²S. Kajita, ¹H. Kamaya, ¹A. Tamakoshi, ¹T. Onda
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- 03pP10 **Measurement of Density Change in Atmosphere Around Surface Discharge with Multi-Channel Optical Wave Microphones**
 ¹F. Mitsugi, ¹T. Ikegami, ²T. Nakamiya, ²Y. Sonoda
 ¹Kumamoto University, Japan
 ²Tokai University, Japan
- 03pP11 **Experimental Study of Helium-Based Round Atmospheric Pressure Plasma Jet with Dual Outer Electrodes**
 C. T. Liu, C. J. Wu, M. Wu, Y. W. Yang, Z. Lin, J. Wu
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Evaluation of Sensitivity Enhancement in WM-ICOS Using Numerical Analysis

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Spectral Analysis of the Emission and Evaluation of the Heat Load Characteristics in Nagdis-PG

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Effect of Ambient Air Engulfment on Generation of Activated Species in 60 Hz Non-Equilibrium Atmospheric Pressure Ar Plasma Jet

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- 03pP16 **Decomposition of Phenol by Pulsed Microwave Plasma Generated in The Vicinity of a Fluid Flow Path**
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- 03pP17 **LIF Monitoring of the Inward Plasma Etching**
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- 03pP18 **A New Method of Obtaining EEDF Using a Simple Numerical Approach**
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- 03pP19 **Development of the Temporal Multi-Scale Algorithm for Fluid Modeling of Low-Temperature Plasma**
B. R. Gu, C. C. Chiou, M. H. Hu, C. T. Hung, K. M. Lin, J. S. Wu
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- 03pP20 **Design of Meter-Scale Compact Microwave Antenna Structure by Electromagnetic Simulation**
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- 03pP21 **Influence of Discharge-Off Duration on the Plasma Density in An Atmospheric-Pressure Pulsed Microwave Discharge**
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- 03pP22 **Production of High-Uniform Microwave Line Plasma at Atmospheric Pressure**
 ¹H. Suzuki, ¹S. Nakano, ^{2,3}H. Itoh, ^{1,2}M. Sekine, ^{1,2}M. Hori, ^{1,2}H. Toyoda
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- 03pp23 **Spatiotemporal Resolved Investigations of Atmospheric Pressure Line Plasma**
 ¹S. Nakano, ¹H. Suzuki, ^{2,3}H. Itoh, ^{1,2}M. Sekine, ^{1,2}M. Hori, ^{1,2}H. Toyoda
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- 03pP24 **Effect of Outer Ground Electrode Arrangement on O/OH Radical Generation in a Helium-Based Atmospheric-Pressure Plasma Jet and its Application in Fibroblast Cell Culture**
 C. J. Wu, C. T. Liu, Y. W. Yang, Z. H. Lin, J. S. Wu
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- 03pP25 **Spatio-Temporal Behavior of Alkaline Metals in A DC Pulsed-Plasma with Liquid Electrode**
 ¹T. Takaba, ¹H. Suzuki, ¹N. Takada, ^{1,2}H. Toyoda
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- ~~03pP26 **Development of a Parallelized 2D/2D-Axisymmetric Hybrid Fluid Modeling and Gas Flow Solvers**~~
<Withdrawn> ~~M. H. Hu, C. C. Chiou, B. R. Gu, C. T. Hung, K. M. Lin, J. S. Wu~~
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- 03pP28 **A Novel Technique to Improve the Uniformity of Large-Area VHF Plasmas – Launching Two Specific Standing Waves Simultaneously**
 ¹H. L. Chen, ¹C. C. Hsieh, ¹D. L. Lin, ¹Y. C. Tu, ¹M. C. Yang, ¹C. F. Ai, ¹W. F. Tsai, ²K. C. Leou
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- 03pP29 **Measurement of Heat Fluxes of Si Substrate from Plasma by Using Frequency Low Coherence Interferometer**
 ¹T. Tsutsumi, ¹K. Ishikawa, ¹K. Takeda, ²T. Ohta, ²M. Ito, ¹H. Kondo, ¹M. Sekine, ²M. Hori
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- 03pP30 **Microplasma Jet in Vacuum between Orifice Anode And Hollow Cathode**
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X. Deng, H. Kousaka, T. Tokoroyama, N. Umehara
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- 03pP32 **Single-Wall Carbon Nanotube Produced by Arc Discharge Adding Mo to Fe Catalyst**
T. Suzuki, S. Inoue, T. Yanagi, T. Yamamoto, Y. Ando
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- 03pP33 **Localized Electron Emission of Single Layer Graphene Supported on One Dimensional Structures**
P. Y. Chen, T. H. Yang, J. M. Wu, Y. H. Lee, L. J. Chen
National Tsing Hua University, Taiwan
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M. Mizuno, K. Banno, T. Egawa, T. Kubo, M. Miyoshi, T. Soga
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- 03pP35 **Development of the Graphite Structure of Solution Plasma Synthesized Carbon by Halogenated**

Benzene Derivatives

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03pP36 **Growth of Single-Walled Carbon Nanotubes from Pt Catalysts by Hot-Filament Assisted Chemical Vapor Deposition**

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03pP37 **Molecular Simulation Study on Hydrogen Retention in Polycrystalline Graphite**

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03pP38 **Fabrication of Graphene Films on Ni Layer by Microwave Plasma-Enhanced CVD**

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Graphene Synthesis on SiO₂/Si(111) Via Agglomeration Phenomena of Catalytic Nickel Films

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Study on Synthesis of Single-Walled Carbon Nanotubes from Pt Catalysts by Gas Source Method Using Ethanol in High Vacuum

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Carbon Nanomaterials Synthesised by Electrochemical Technique at Room Temperature

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Nucleation Control of Carbon Nanowalls Using Plasma-Enhanced CVD with Reduced Ion

Bombardment

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Improvement of Chemical Vapor Deposition for the Purity of Carbon Nanocoils

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Growth of Graphene by Low-Pressure Alcohol Catalytic Chemical Vapor Deposition Method -Effect of Cooling Rate on the Domain Size-

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Activation of Carbon Nanotube Film for Improvement of Field Emission Properties

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Synthesis of Graphene Sheets from Graphite Electrode in Water Using Solution

Plasma Exfoliation

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Electrical Conductivity of Carbon Nanowall Films with Different Film Thickness

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Synthesis of Glassy Carbon Microspheres from Hydride Vapor Phase Epitaxy

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03pP49 **Rashba Spin-Orbit Coupling in Graphene Doped with Transition Metals**

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03pP50LN **Exploration of Surface Hydrophilic Properties against Aging after Reduced and Atmospheric Pressure Plasma Treatment on Stainless Steel and Silicon Wafer**

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03pP51LN **Biosensing Properties of Carbon Nanowalls Grown using Plasma Enhanced CVD**

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Fabrication of Carbon Nanowalls for Fuel Cell Application

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