

## Publications in Refereed Journals

### Jeništa, J.

Parameters of a Water-vortex Stabilized Electric arc Calculated by Using Different Radiation Models.

*Czechoslovak Journal of Physics*, **50** [S3] 281-2843 (2000).

[Symposium on Plasma Physics and Technology/19th./ Prague (CZ), 00.06.06-00.06.09]

Grant: GA AV ČR(CZ) KSK1043601; GA ČR(CZ) GA102/98/0813

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## Publications in Proceedings of International Conferences

### Gregor, J. - Jakubova, I. - Šenk, J. - Hrabovský, M. - Kolman, B. - Kopecký, V.

Production of Diamond Films in Atmospheric Pressure Argonhydrogen Thermal Plasma Jet.

In: *E-MRS IUMRS ICEM 2000, Book of Abstracts.* - -, E-MRS 2000. - S. A35.

[International Conference on Electronic Materials & European Materials Research Society Spring Meeting. Strasburg (FR), 00.05.30-00.06.02]

Grant: GA ČR(CZ) GV106/96/K245

### Hrabovský, M. - Konrád, M. - Kopecký, V.

Velocity of Plasma and Particle in Oxygen-Hydrogen Thermal Plasma Jet.

In: *E-MRS IUMRS ICEM 2000, Book of Abstracts.* - Strasburg, - 2000. - S. A8.

[International Conference on Electronic Materials & European Materials Research Society Spring Meeting. Strasburg (FR), 00.05.30-00.06.02]

Grant: GA AV ČR(CZ) IAA1043804; GA ČR(CZ) GA102/98/0813

### Hrabovský, M. - Konrád, M. - Kopecký, V.

Integral model of arc column stabilized by liquid vortex. (Ed. MacGregor, S.J.). - Glasgow, University of Strathclyde 2000. - 4 s.

[International Conference on Gas Discharges and their Applications /13./ Glasgow (GB), 00.09.03-00.09.08]

Grant: GA ČR(CZ) GA102/98/0813

### Hrabovský, M. - Konrád, M. - Kopecký, V. - Kotalík, P.

Effect of nozzle geometry of water plasma torch on plasma jet characteristics and velocity of injected particles. Minsk, Institute of Molecular and Atomic Physics NASB 2000. - 4 s.

[International Conference Plasma Physics and Plasma Technology/3./ Minsk (BY), 00.09.18-00.09.22]

Grant: GA AV ČR(CZ) IAA1043804; GA ČR(CZ) GA102/98/0813

### Hrabovský, M. - Kopecký, V. - Macura, P.

Investigation of Propagation of Perturbation in Thermal DC Arc Plasma Jet.

In: *E-MRS IUMRS ICEM 2000, Book of Abstracts.* - Strasbourg, - 2000. - S. A23.

[International Conference on Electronic Materials & European Materials Research Society Spring Meeting. Strasburg (FR), 00.05.30-00.06.02]

Grant: GA ČR(CZ) GV106/96/k245; GA ČR(CZ) IAA1043804

**Hrabovský, M. - Kopecký, V. - Macura, P.**

Production of Coherent Oscillations in Thermal Plasma Jet Generated in Water Stabilized Torch.

In: *ICOPS 2000 IEEE Conference Record-Abstracts*. - Piscataway, IEEE Service Center 2000. - S. 118.

[IEEE International Conference on PLasma Science/27th./. New Orleans (US), 00.06.04-00.06.07]

Grant: GA ČR(CZ) GA102/98/0813; GA ČR(CZ) IAA1043804

**Jeništa, J.**

Physical Properties of Water-vortex Stabilized Plasma arc Deduced from Similarity Numbers.

In: *Proceedings of the XIII International Conference on Gas Discharges and Their Applications(GD2000)*. - (Ed. MacGregor, S.J.). - Glasgow, LOC of GD2000 2000. - S. 150-153.

[International Conference on Gas Discharges and Their Applications/13./. Glasgow (GB), 00.09.03-00.09.08]

Grant: GA AV ČR(CZ) KSK1043601; GA ČR(CZ) GA102/98/0813

**Schwenk, A. - Sember, V. - Gravelle, D. - Boulos, M. I. - Nutsch, G.**

Enthalpy Probe Measurements in a Supersonic Induction Plasma Jet.

In: *Proceedings of the VIII. Workshop Plasmatechnik*. - Ilmenau, - 2000. - S. 36-43.

[Workshop Plasmatechnik/8./. Ilmenau (DE), 00.06.22-00.06.23 (WRD)]

**Sember, V. - Schwenk, A. - Selezneva, S. - Gravelle, D. V. - Boulos, M. I.**

Local Thermodynamic Equilibrium Analysis of the Supersonic Induction Plasma Jet.

In: *27th IEEE International Conference on Plasma Science*. - Danvers, Institute of Electrical and Electronics Engineers, Inc. 2000. - S. 117-0.

[IEEE International Conference on Plasma Science/27th./. New Orleans, Louisiana (US), 00.06.04-00.06.07 (WRD)]