

## Publications in Refereed Journals

### **Brožek, V. - Dufek, V. - Chráska, P.**

Plazmové nástřiky gradientových materiálů s boridovou mezivrstvou.  
*Pokroky práškové metalurgie*, **34** [4] 5-9 (1996).

### **Kotalík, P.**

A numerical solution of the Stefan problem.  
*Czechoslovak Journal of Physics*, **46** [9] 793-801 (1996).  
Grant: GA ČR(CZ) GA106/93/0638  
[Impact factor:0.344(91) 0.309(92) 0.351(93) 0.330(94) 0.310(95) 0.339(96) 0.212(97)  
0.348(98) 0.328(99) 0.298(00) 0.345(01) 0,311(02)]

## Publications in Proceedings of International Conferences

### **Brožek, V. - Dufek, V. - Chráska, P.**

Plasma Sprayed Gradient Materials with Boride Interlayer.  
In: *Advances in Hard Materials Production '1996*. - Stockholm, EPMA 1996. - 451+2 s. - ().  
[European Conference on Advances in Hard Materials Production /1996./. Stockholm (SE),  
96.05.27-96.05.29]  
Grant: GA MŠk(CZ) COST515.10

### **Brožek, V. - Hrabovský, M. - Kopecký, V. - Sember, V.**

Destruction and Oxidation of a Liquid Harmful Organic Waste in Hydrogen-Oxygen Thermal Plasma Jet.  
In: *4th Conference of Thermal Plasma Processes*. - Athens, - 1996. - - s.  
[European Conference on Thermal Plasma Processes /4./. Athens (GR), 96.07.15-96.07.18]  
Grant: GA ČR(CZ) GA104/94/0417

### **Brožek, V. - Hrabovský, M. - Kopecký, V.**

Plasmochemical reactor for decomposition of toxic and persistent compounds based on water stabilized plasma Torch.  
In: *Proceeding*. - Prague, - 1996. - 81 s.  
[International Congress of Chemical and Process Engineering /12./. Prague (CZ), 96.08.25-  
96.08.30]  
Grant: GA ČR(CZ) GA104/94/0417

### **Brožek, V. - Hrabovský, M. - Kopecký, V. - Lokajíček, T.**

Thermal plasma destruction of persistent polyhalogenide compounds.  
In: *Proceeding*. - Prague, - 1996. - 122 s.  
[International Congress of Chemical and Process Engineering /12./. Prague (CZ), 96.08.25-  
96.08.30]  
Grant: GA ČR(CZ) GA104/94/0417

### **Brožek, V. - Hrabovský, M. - Kopecký, V. - Lokajíček, T.**

Plazmochemická likvidace persistentních a toxických sloučenin.  
In: *Proceedings of 9th Regional Conference IUAPPA and 3rd International Conference on*

*Enviromental Impact Assessment*. - Praha, - 1996. - S. 464-468.  
[Regional Conference IUAPPA and 3rd International Conference on Environmental Impact Assessment /9./. Praha (CZ), 96.09.23-96.09.26]  
Grant: GA ČR(CZ) GA104/94/0417

**Brožek, V. - Kopecký, V. - Hrabovský, M.**

Decomposition and Oxidation of Persistent Compounds in Low Temperature Oxygen-Hydrogen Plasma.

In: *Abstracts of 6th Joint Seminary Development of Materials Science in Research and Education*. - Prague, MAXDORF,s.r.o. 1996. - S. 43-0.

[Joint Seminar Development of Material Science in Research and Education /6./. Karlštejn (CZ), 96.09.17-96.09.19]

Grant: GA ČR(CZ) GA104/94/0417

**Chráška, P. - Brožek, V. - Kolman, B. - Neufuss, K. - Voleník, K. - Dubský, J.**

Řízení porovitosti v plazmově deponovaných vrstvách. Praha, ÚFP AV ČR 1996. - 1-22 s.

Grant: GA MŠk(CZ) COST515.10

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

Investigation of Structure of Oxygen-hydrogen Thermal Plasma Jet using Electric Probes.

In: *Proceeding of ESCAMPIG 96*. - (Ed. Lukáč, P.; Košinár, I.; Skalný, J. D.). - Bratislava, European Physical Society 1996. - 277 s.

[ESCAMPIG 96. Poprad (SK), 96.08.27-96.08.30]

Grant: GA104/94/0417GA102/95/0592

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

Investigation of Anode Phenomena in Arc Plasma Torch.

In: *Book of Abstracts Thermal Plasma Processes*. - Athens, - 1996. - S. -.

[European Conference on Thermal Plasma Processes /4./. Athens (GR), 96.07.15-96.07.18]

Grant: GA ČR(CZ) GA102/95/0592; GA ČR(CZ) GA102/95/0059

**Šimek, M. - Sember, V. - Člupek, M.**

Characterization of Ar-N<sub>2</sub> DC gliding arc discharge.

In: *Proceeding of ECSAMPIG 96*. - (Ed. Lukáč, P.; Košinár, I.; Skalný, J. D.). - Bratislava, European Physical Society 1996. - 259+1 s.

[ESCAMPIG 96. Poprad (SK), 96.08.27-96.08.30]

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