

Publications in Refereed Journals

Brožek, V. - Prášil, Z. - Pokorný, V. - Sisrová, J.

Effect of gamma radiation on ultrafine grinding of various inorganic materials.

International Journal of Mechanochemistry and Mechanical Alloying, **1** [2] 180-185 (1994).

Jeništa, J.

Dynamic behaviour of electric arc gas discharge.

Czechoslovak Journal of Physics, **44** [1] 19-33 (1994).

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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.

Plasmové nástřiky karbidu boru pro difusní boridování.

In: *Sborník 3. mezinárodního metalurgického symposia Metal 94.* - Ostrava, TANGER a CSNMT 1994. - 240+2 s.

[Mezinárodní metalurgické symposium METAL `94 /3./. Ostrava (CZ), 94.05.10]

Brožek, V. - Dufek, V. - Neufuss, K.

Vlastnosti boridovaných vrstev připravených kombinovanou APS-DA technologií.

In: *5. mezinárodní symposium CONMET.* - Brno, CONMET 1994. - 101 s.

[Mezinárodní symposium CONMET /5./. Brno (CZ), 94.09.12-94.09.15]

Brožek, V. - Forman, J. - Kořínek, I.

Diffusion of steel oxidation products through plasma sprayed protective ceramic coatings into glass melt.

In: *9th Conference on Glass.* - Hradec Králové, Czech Glass Society 1994. - 117 s.

[Conference on Glass /9./. Hradec Králové (CZ), 94.05.03-94.05.04]

Brožek, V. - Kopecký, V.

Materials Problems of Plasma Guns Designated for Decomposition of Toxic and Persistent Compounds.

In: *Development of Materials Science in Research and Education.* - Praha, - 1994. - - s.

[Development of Materials Science in Research and Education. Dobřichovice (CZ), 94.09.19-94.09.21]

Grant: GA ČR(CZ) GA104/94/0417

Brožek, V. - Kopecký, V. - Neufuss, K. - Zelinka, T.

Oxidation of the persistent compounds in water stabilized plasma torch.

In: *Priemyselná toxikológia 94.* - Bratislava, SCHS-SAV 1994. - 97 s.

[Priemyselná toxikológia `94. Bratislava (SK), 94.06.21-94.06.24]

Grant: GA104/94/0417

Brožek, V. - Neufuss, K. - Chráska, P.

Depozice práškových rychlořezných ocelí plasmatronem s vodní stabilizací.

In: *Sborník 1. národní konference o žárových nástřicích*. - (Ed. Musil, J.; Kubíček, J.; Korčák, S.). - Brno, CONMET 1994. - 129+5 s.

[Národní konference o plasmových a žárových nástřicích /1./ Brno (CZ), 94.04.19-94.04.21]

Grant: GA ČR(CZ) GA106/93/0638

Brožek, V. - Neufuss, K. - Pokorný, V.

Abrasivní nástroje připravené technologií APS.

In: *Sborník 1. národní konference o plasmových a žárových nástřicích*. - (Ed. Musil, J.; Kubíček, J.; Korčák, S.). - Brno, CONMET 1994. - 167 s.

[Národní konference o plasmových a žárových nástřicích /1./ Brno (CZ), 94.04.19-94.04.21]

Brožek, V. - Dubský, J. - Kolman, B. - Neufuss, K. - Chráska, P.

Plasma Sprayed Coatings of Molybdenum Silicide.

In: *Proceedings of 8th International Conference of High Temperature Materials Chemistry*. - Vienna, University Wien 1994. - S. 99.

[HTMC - International Conference of High Temperature Materials Chemistry /8./ Vienna (AT), 94.04.04-94.04.09]

Grant: GA ČR(CZ) GA106/93/0638

Hrabovský, M.

Electric arcs in generators of thermal plasma.

In: *Proceedings of 11th Symposium on Physics of Switching Arc*. - (Ed. Vávra, Z.). - Brno, Fakulta elektrotechnická VUT 1994. - S. 20-28.

[Symposium on Physics of Switching Arc /11./ Brno (CZ), 94.09.26-94.09.30]

Grant: GA ČR(CZ) 14355

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

Electrical probe investigation of structure of dc arc plasma JET.

In: *Proceedings of International Symposium on Heat Mass Transfer under Plasma Conditions*. - (Ed. Fauchais, P.). - Izmir, International Centre for Heat and Mass Transfer 1994. - S. 61-66.

[International Symposium on Heat and Mass Transfer under Plasma Conditions. Cesme (TR), 94.07.04-94.07.08]

Grant: AV ČR(CZ) 143 55; GA ČR(CZ) GA104/94/0417

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Electrical Probe Investigation of Structure of DC Arc Plasma Jet.

In: *International Symposium on Heat and Mass Transfer under Plasma Conditions*. - (Ed. Fauchais, P.; Boulos, M.; Mullen van der, J.). - Cesme, Begell House 1994. - 61+7 s. - ().

[International Symposium on Heat and Mass Transfer under Plasma Conditions. Cesme (TR), 94.07.04-94.07.08]

Grant: GA104/94/0417IAA14355

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

Measurement of temperature and velocity in plasma JET.

In: *Proceedings of 11th Symposium on Physics of Switching Arc*. - (Ed. Vávra, Z.). - Brno, Fakulta elektrotechnická VUT 1994. - S. 29-32.

[Symposium on Physics of Switching Arc /11./ Brno (CZ), 94.09.26-94.09.30]

Grant: GA AV ČR(CZ) 143 55; GA ČR(CZ) GA104/94/0417

Hrabovský, M. - Kopecký, V. - Sember, V.

Water stabilized arc as a source of thermal plasma.

In: *Proceedings of International Symposium on Heat and Transfer under Plasma Conditions*. - (Ed. Fauchais, P.). - Izmir-New York, International Centre for Heat and Mass Transfer - Begell House 1994. - S. 91-98.

[International Symposium on Heat and Mass Transfer under Plasma Conditions. Cesme (TR), 94.07.04-94.07.08]

Grant: AV ČR(CZ) 143 55; GA ČR(CZ) GA104/94/0417

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Water stabilized Arc as a source of thermal plasma.

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[International Symposium on Heat and Mass Transfer under Plasma Conditions. Cesme (TR), 94.07.04-94.07.08]

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Sember, V.

Study of non-equilibrium effects in hydrogen-oxygen thermal plasma JET.

In: *Proceeding of International Symposium on Heat and Mass Transfer under Plasma Condition*. - (Ed. Arinc, F.). - Izmir, International Centre for Heat and Mass Transfer 1994. - - s.

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Sember, V.

Study of non-equilibrium effects in hydrogen-oxygen thermal plasma JET.

In: *International Symposium on Heat and Mass Transfer under Plasma Conditions*. - (Ed. Fauchais, P.; Boulos, M.; Mullen van der, J.). - New York, Begell House 1994. - 143+7 s. - ().
[International Symposium on Heat and Mass Transfer under Plasma Conditions. Cesme (TR), 94.07.04-94.07.08]

Grant: GA AV ČR(CZ) 102/95/0592; GA AV ČR(CZ) 104/94/0417

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DC glidarc discharge: Status Report 1994.

In: *IPPCZ 344, Research Report*. - Prague, ÚFP AV ČR 1994. - S. 1-22.

Grant: A102/93/1022