

DODATEK 1: SEZNAM PUBLIKACÍ

1. Články v impaktovaných časopisech (v anglickém jazyce)

- [1] **Badziak J., Kasperczuk A., Parys P., Pisarczyk T., Rosinski M., Ryč L., Wolowski J., Jablonski S., Suchanska R., Krouský E., Láška L., Mašek K., Pfeifer M., Ullschmied J., Dareshwar L.J., Foldes I., Torrisi L., Pisarczyk P.:** Production of high-current heavy ion jets at the short-wavelength subnanosecond laser-solid interaction. *Applied Physics Letters*. Roč. **91**, č. 8 (2007), 081502/1-081502/3. ISSN 0003-6951
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- [5] **Borisenko, N.G., Khalenkov, A.M., Kmetík V., Limpouch J., Merkuliev Y. A., Pimenov, V.G.:** Plastic Aerogel Targets and Optical Transparency of Undercritical Microheterogeneous Plasma. *Fusion Science and Technology*. Roč. **51**, č. 4 (2007), s. 655-664. ISSN 1536-1055
- [6] **Borodziuk S., Kasperczuk A., Pisarczyk T., Gus'kov S. Y., Ullschmied J., Krouský E., Mašek K., Pfeifer M., Rohlena K., Skála J., Kálal M., Limpouch J., Pisarczyk P.:** Study of the conditions for the effective energy transfer in a process of acceleration and collision of the thin metal disks with the massive target. *European Physical Journal D*. Roč. **41**, č. 2 (2007), s. 311-317. ISSN 1434-606
- [7] **Colas L., Gunn J. P., Nanobashvili I., Petržílka V., Goniche M., Ekedahl A., Heurax S., Joffrin E., Saint-Laurent F., Balorin C., Lowry C., Basiuk V.:** 2-D mapping of ICRF-induced SOL perturbations in. *Journal of Nuclear Materials*. 363-365, č. 4 (2007), s. 555-559. ISSN 0022-3115
- [8] **Ctibor P., Kraus L., Tuominen J., Vuoristo P., Chráska P. :** Improvement of mechanical properties of alumina and zirconia plasma sprayed coatings induced by laser post - treatment *Ceramics - Silikáty*. Roč. **51**, č. 4 (2007), s. 181-189. ISSN 0862-5468
- [9] **Ctibor P., Neufuss K., Zahálka F., Kolman B. J.:** Plasma sprayed ceramic coatings without and with epoxy resin sealing treatment and their wear resistance. *Wear*. Roč. **262**, 9-10 (2007), s. 1274-1280. ISSN 0043-1648
- [10] **De Baerdemaeker F., Šimek Milan., Leys, C.:** Hydrogen peroxide production in capillary underwater discharges. *Journal of Physics - D*. Roč. **40**, č. 9 (2007), s. 2801-2809. ISSN 0022-3727
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- [14] **Dejarnac R., Gunn J. P., Stöckel J., Adámek J., Brotánková J., Ionita C.:** Study of ion sheath expansion and anisotropy of the electron parallel energy distribution in the CASTOR tokamak. *Plasma Physics and Controlled Fusion*. Roč. 49, č. 10 (2007), s. 1791-1808. ISSN 0741-3335
- [15] **Ekedahl A., Goniche M., Balorin C., Basiuk V., Bibet Ph., Chantant M., Colas L., Delpech L., Desgranges C., Eriksson L. G., Joffrin E., Kazarian F., Lowry C., Moreau Ph., Petržílka V., Portafaix C., Prou M., Roche H.:** Thermal and non-thermal particle interaction with the LHCD launchers in Tore Supra. *Journal of Nuclear Materials*. 363-365, č. 8 (2007), s. 1329-1333. ISSN 0022-3115
- [16] **Fuchs V., Gunn J. P.:** Mach probe interpretation in the presence of supra-thermal electrons. *Physics of Plasmas*. Roč. 14, č. 3 (2007), 032501-1. ISSN 1070-664X
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- [20] **Chankin A.V., Coster D.P., Asakura N., Bonnin X., Conway G.D., Corrigan G., Erents S. K., Fundameski W., Horáček J., Kallenbach A., Kaufmann M., Konz C., Lackner K., Müller H. W., - Neuhauser J., Pitts R.A., Wischmeier M.:** Discrepancy between modelled and measured radial electric fields in the scrape-off layer divertor *Nuclear Fusion*. Roč. 47, č. 5 (2007), s. 479-489. ISSN 0029-5515
- [21] **Kasperczuk A., Pisarczyk T., Badziak J., Miklaszewski R., Parys P., Rosinski M., Wolowski J., Stenz C., Ullschmied J., Krouský E., Mašek K., Pfeifer M., Rohlena K., Skála J., Pisarczyk P.:** Influence of the focal point position on the properties of a laser-produced plasma. *Physics of Plasmas*. Roč. 14, č. 10 (2007), 102706-1-102706-8. ISSN 1070-664X
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- [28] **Labit B., Diallo A., Fasoli A., Furno I., Irají D., Muller S.H., Plyushchev G., Podesta M., Poli, F.M., Ricci P., Theiler C., Horáček J.:** Statistical properties of electrostatic turbulence in toroidal magnetized plasmas. *Plasma Physics and Controlled Fusion*. Roč. 49, 12B (2007), B281-B290. ISSN 0741-3335. European Physical Society Conference on Plasma Physics/34th./ Warsaw, 02.07.2007-06.07.2007
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[Plasma Surface Interactions in Controlled Fusion Devices/17th./ Hefei, 22.05.2007-26.05.2007]

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- [36] **Stahr C.Ch., Saaro S., Berger L. M., Herrmann M., Dubský J., Neufuss K.:** Alumina on the Spray Process. □Dependence of the Stabilization of Al₂O₃
Journal of Thermal Spray Technology. Roč. 16, 5-6 (2007), s. 822-830. ISSN 1059-9630
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2. Články v neimpaktovaných časopisech nebo ve sbornících konferencí (v anglickém jazyce)

Článek v neimpaktovaném odborném periodiku – anglicky

- [41] **Brožek V., Ctibor P., Matějčiček J., Rohan P., Janča J.:** Consolidation of tungsten disilicide by plasma spraying. *Acta Technica CSAV*. Roč. 52, č. 3 (2007), s. 311-320. ISSN 0001-7043
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- [43] **Ctibor P., Neufuss K., Coullomb S., Suszawalak N., Chráska P.:** Unconventional ways of testing of alumina plasma sprayed coatings by slurry abrasion response (SAR) test. *Acta Technica CSAV*. Roč. 52, č. 2 (2007), s. 163-172. ISSN 0001-7043
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- [54] **Van Oost G., Hrabovský M., Kopecký V., Konrád M., Hlína M., Kavka T., Beeckman E., Verstraeten J.:** Pyrolysis/gasification of biomass for synthetic fuel production using a hybrid gas-water stabilized plasma torch. *ADVANCES IN APPLIED PLASMA SCIENCE*. Roč. 6, č. 1 (2007), s. 9-12. ISBN 978-4-9900642-5-9

Abstrakta ze sborníků – anglicky:

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- [58] **Brotánková J., Martines E., Adámek J., Stöckel J., Popa G. Costin C., Schrittwieser R., Ionita C., Van Oost G.:** Novel technique for direct measurement of the plasma diffusion coefficient in magnetised plasma. *Book of Abstracts*. Praha, 2007. S. 40. International Workshop on Electric Probes in Magnetized . Plasmas/7th./ 22.7.2007-25.7.2007, Praha
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