

### **Selected Papers**

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2. Szépvölgyi J, Mohai I, Károly Z, Gál L: Synthesis of Nanosized Ceramic Powders in a Radiofrequency Thermal Plasma Reactor. *J. Eur. Ceram. Soc.* 28 (2008) 895-899.
3. Markovic Z, Todorovic-Markovic B, Mohai I, Szépvölgyi J, Farkas Zs, Kováts É, Scheier P, Feil S, Romcevic N: Comparative Process Analysis of Fullerene Production by the Arc and RF Discharge. *J. Nanosci. Nanotechn.* 7 (4-5) (2007) 1357-1369.
4. Szépvölgyi J (Ed.): Strategic Problems of the Chemical Industry (ISBN 963 508 487 0). Research Center for Social Studies HAS, Budapest, 2006. pp. 1-272.
5. Kovács T, Turányi T, Főglein K, Szépvölgyi J: Modelling of Carbon Tetrachloride Decomposition in Oxidative RF Thermal Plasma. *Plasma Chem. Plasma Process.* 26 (3) (2006) 293-318.
6. Todorovic-Markovic B, Markovic Z, Mohai I, Nikolic Z, Farkas Zs, Szépvölgyi J, Kováts É, Scheier P, Feil S: RF Thermal Plasma Processing of Fullerenes. *J. Phys. D. Appl. Phys.* 39 (2006) 320-326.
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8. Markovic Z, Todorovic-Markovic B, Mohai I, Károly Z, Farkas Zs, Nikolic Z, Szépvölgyi J.: Optical Emission Study of Fullerene Synthesis in RF Thermal Plasma Reactor. *Fullerenes, Nanotubes and Carbon Nanostructures* 13 (2005) 215-226. (1.117)
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10. Todorovic-Markovic B, Markovic Z, Mohai I, Szépvölgyi J: Optical Diagnostic of Carbon Arc and Induction Plasmas. *Mater. Sci. Forum* 453-454 (2004) 277-282.
11. Todorovic-Markovic B, Markovic Z, Mohai I, Károly Z, Gál L, Főglein K, Szabó PT, Szépvölgyi J: Efficient Synthesis of Fullerenes in RF Thermal Plasma Reactor. *Chem. Phys. Letters* 378 (2003) 434-439.
12. Károly Z, Szépvölgyi J: Hollow Alumina Microspheres Prepared by RF Thermal Plasma. *Powder Techn.* 132 (2003) 211-2165.
13. Mastalir Á, Notheisz F, Bartók M, Bertóti I, Szépvölgyi J: Investigation of the Morphology and the Catalytical Active Site Distribution of Rh-graphimet. *Applied Catal. A.* 229 (2002) 155-165.
14. Szépvölgyi J, Mohai I, Gubicza J: Atmospheric Ageing of Nanosized Silicon Nitride Powders. *J. Mater. Chem.* 11(3) (2001) 859-863.
15. Mohai I, Szépvölgyi J., Bertóti I, Mohai M, Gubicza J, Ungár T: Thermal Plasma Synthesis of Zinc Ferrite Nanopowders. *Solid State Ionics* 141-142 (2001) 163-168.