

# Listă de lucrări

## PEER-REVIEWED PAPERS

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### ISI – Red zone

1. Iuliana Motrescu, **Mihai Alexandru Ciolan**, Kazuya Sugiyama, Naohisa Kawamura, Masaaki Nagatsu “*Use of pre-ionization electrodes to produce large-volume, densely distributed filamentary dielectric barrier discharges for materials surface processing*” **Plasma Sources Science and Technology** 27(11) 2018 pp.115005, **IF 4.128**.
2. **Mihai Alexandru Ciolan**, Iuliana Motrescu, Kuniaki Sugiura, Dumitru Luca, Masaaki Nagatsu “*Tailoring the surface functionalities of radio frequency magnetron-sputtered ZnO thin films by Ar/NH<sub>3</sub> gas mixture surface-wave plasmas*”, **Langmuir** 34(38) 2018 pp.11253-11263, **IF 3.686**.
3. Hu Rui, **Mihai Alexandru Ciolan**, Wang Xiangke, Nagatsu Masaaki, “*Copper induced hollow carbon nanospheres by arc discharge method: controlled synthesis and formation mechanism*”, **Nanotechnology**, Vol.27, No. 33 (2016) 335602, **IF 3.440**

### ISI – Grey zone

4. Masaaki Nagatsu, Kazuyuya Sugiyama, Iuliana Motrescu, **Mihai Alexandru Ciolan**, Akihisa Ogino, Naohisa Kawamura “*Surface modification of fluorine contained resins using an elongated parallel plate electrode type dielectric barrier discharge device*” **Journal of Photopolymer Science and Technology** 31(3) 2018 pp.379-383, **IF 0.934**.
5. **Mihai Alexandru Ciolan**, Iuliana Motrescu, Dumitru Luca, Masaaki Nagatsu, “*Mass Spectrometric Study of Ar/NH<sub>3</sub> Surface Wave Plasma Utilized for Surface Functionalization of ZnO Nanoparticles*”, **Japanese Journal of Applied Physics**, vol. 53 (1), 010207, 2014, **IF 1.471**.
6. **Mihai Alexandru Ciolan**, Iuliana Motrescu, Dumitru Luca, Masaaki Nagatsu, “*Low Temperature Plasma Functionalization of ZnO with Amine Groups for Bioapplications*”, **Digest Journal of Nanomaterials and Biostructures**, vol. 9 (2), pp. 483-491, 2014, **IF 0.945**.