

**POSTER SESSION** Monday, 10.09.2018. 17:30-19:30h

- P1. Study of hydrogen interaction with  $Ti_{0.9}Zr_{0.1}Mn_{1.4}V_{0.5}$**   
Elena Anikina
- P2. NMC cathode material for Advanced Lithium Ion Battery**  
Krum Banov
- P3. Investigation of non-stoichiometric tungsten oxide supported Pt and Ru electrocatalysts for increased CO tolerance**  
Snežana M. Brković
- P4. Influence of platinization of mechanically activated nuclear grade graphite powders on the hydrogen adsorption process**  
Dragana Čekerevac Mirković
- P5. The influence of mechanical activation on nuclear grade graphite structure and hydrogen adsorption**  
Dragana Čekerevac Mirković
- P6. Activation Behavior of Nickel Hydroxide Positive Electrode in NiMH Batteries**  
Necdet Özgür Darıcioğlu
- P7.  $Na_{0.44}MnO_2$  as a cathode material for aqueous sodium-ion batteries**  
Aleksandra Gezović
- P8.  $LiAlH_4$ - pyrophyllite nanocomposite as potential material for solid state hydrogen storage**  
Jasmina Grbović Novaković
- P9. Mg-V-H air exposed thin films for solid state hydrogen storage upon hydrogen irradiation**  
Jasmina Grbović Novaković
- P10. Hydrogen sorption properties of 80wt.%  $MgH_2$ -15 wt. %Ni- 5wt.% POW and  $MgH_2$ :Ni mixtures prepared by high energy ball milling in argon atmosphere**  
Eli Grigorova
- P11.  $FeF_3$  assisted dehydrogenation of  $MgH_2$  and  $LiAlH_4$**   
Sandra Kurko
- P12. Investigation of interactions in the PANI- $TiO_2$  system**  
Bojana Kuzmanović
- P13. Electrochemical sensor based on Pt-MWCNT for determination of pesticide clomazone**  
Jelena S. Milićević

- P14. Electrochemical behaviour of pyrophyllite carbon paste composite electrode**  
Jelena S. Milićević
- P15. Combined effects of mechanical milling and addition of  $WO_3$  on hydrogen desorption from  $MgH_2$**   
Sanja Milošević Govedarović
- P16. Fluorination of sodium cobalt oxide: effects on structure and electrochemical performance**  
Miloš Milović
- P17. Development of a gas-flow electrochemical half-cell to be used for an *in-situ* investigation of hydrogen fuel cell electrodes**  
Dušan Mladenović
- P18. Reducing Noble Metals in Electrode Materials Used in Hydrogen Economy**  
Perica Paunović
- P19. Interaction of amidoborane molecular chains with alkali metals – a theoretical study**  
Bojana Paskaš Mamula
- P20. Hydrogen generation in mechanochemical reactor**  
Milan Petrov
- P21. Enhanced electrochemical properties of  $LmNi_{3.55}Co_{0.75}Mn_{0.4}Al_{0.3}$  metal hydride electrode modified by  $V_2O_5$  used as additive**  
Nebojša Potkonjak
- P22. Multifunctional alumosilicate ceramics microalloyed with manganese, as a powerful agent for extreme fast oxidation and reduction decomposition of  $H_2O_2$  aqueous solution and passivation of distilled water**  
Jelena M. Purenović
- P23. Structural changes in  $MoS_2$  induced by hydrogen ion irradiation**  
Jelena Rmuš
- P24. First principle electronic structure calculations of transition metal-doped  $CdTe$ -based semiconductors**  
Ivana Radisavljević
- P25. Synthesis and characterization of Co/Mo bimetallic carbides as catalyst support in PEM fuel cells**  
Aleksandra Šaponjić

- P26. The improvement in Reversible Capacity by Calcium doping in  $\text{Li}(\text{Ni}_{1/3}\text{Mn}_{1/3}\text{Co}_{1/3})\text{O}_2$  Lithium Ion Battery Cathodes**  
Cansu Savaş Uygur
- P27. The Investigation of Nano Structured, Electrolyte Materials for Solid Oxide Fuel Cell Applications**  
Shabana P. S. Shaikh
- P28. Effect of hydrogenation on metal element distribution in Ti-V-Cr alloys**  
Nataliya Skryabina
- P29. Porous polypropylene membranes grafted by polyacrylic acid applied as separators in alkaline water electrolysis cell**  
Lubomír Staňo
- P30. High Capacity Li-air battery electrodes:  $\text{CeO}_2$  catalyst nanorods on 3D  $\text{NiGO}$**   
Adnan Taşdemir
- P31. Synthetized diamonds relations between thermal energy and conductivity with electro conductivity within fractal analysis frontiers**  
Sandra Veljković
- P32. Novel PVA membrane doped with Ti and Zr dioxide for the use in alkaline electroliser**  
Dragana Žugić