

NEW MATERIALS

Original scientific papers

- Ivana Dinić, Lidija Mančić, Olivera Milošević, **Hydrothermal Synthesis of Optically Active Fluoride particles Doped with Rare Earth Ions in the Presence of Ethylenediaminetetraacetic acid (EDTA)** 9

OUR CIVIL ENGINEERING

Original scientific papers

- Khaled Omar Almayouf, Dejan Beljaković, Aleksandar Milajić, **Methodology for Developing Probabilistic Productivity Norms in Civil Engineering** 17

MINING, GEOLOGY AND METALLURGY

Original scientific paper

- Dragana Nišić, Dinko Knežević, Nevena Sijerković, Uroš Pantelić, Mirjana Banković, **Comparative Risk Assessment of CCW Disposal in the Old and New Landfill of the Coal-Fired Power Plant Kostolac Based on the Hydrological Scenario** 25

Original scientific paper

- Goran Tasev, Todor Serafimovski, **Industrial Contamination of Soil Related to Some Active and Closed Mine Facilities in the Republic of Macedonia** 33

Original scientific paper

- Ivana Manasijević, Nada Štrbac, **Dragana Živković**, Ljubiša Balanović, Duško Minić, Dragan Manasijević, **The Effect of Zinc on the Microstructure and Phase Transformations of Casting Al-Cu Alloys** 41

MECHANICAL ENGINEERING

Original scientific papers

- Goran Cvijović, Srđan Bošnjak, **Calculation Methods' Comparative Analysis of Monorail Crane Local Bending Effects** 51
- Goran Vasilić, Saša Živanović, **Modelling and Analysis of 2-axis Reconfigurable Parallel Mechanism MOMA with Translatory Actuated Joints** 59
-

ELECTRICAL ENGINEERING

Original scientific paper

- Aleksandra Lekić, Dušan Stipanović, LMI Approach for Sliding Mode Control and Analysis of DC-DC Converters** 69

TRAFFIC

Original scientific paper

- Milan Andrejić, Milorad Kilibarda, Measuring Global Logistics Efficiency Using PCA-DEA Approach** 79

Previous announcement

- Dubravka Vuković, Railway Stations as Efficiency Decision-Making Units – Input and Output DEA Model**..... 87

MANAGEMENT

Original scientific papers

- Darko Božanić, Dragan Pamučar, Samed Karović, Application the MABAC Method in Support of Decision-Making on the Use of Force in a Defensive Operation** 97

- Snežana Tadić, Slobodan Zečević, Global Trends and Their Impact on City Logistics Management**..... 105

QUALITY IMS, STANDARDIZATION AND METROLOGY

Original scientific paper

- Marina Janušević Strižak, Sustainable Management of Drinking Water Production Plant Pollutants** 113

Review paper

- Radoje Jevtić, Fire Detectors Arrangement in Objects with Slope Roof**..... 123