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Sommario/riassunto	Characterization Methods and Synthesis Techniques. Design and Implementation of Low Cost Measurement System for Determination of Thermal Conductivity Coefficient / J D Calderon, NJ Ramirez, L Lopez, C Perez Material Performance of TBCs at High Temperature in Moisture-Containing Environments Using a Load-Based Micro-indentation Technique / J M Tannenbaum, B S-J Kang, M A Alvin Digital Construction and Characterization of Reticulated Porous Microstructures from Sacrificial Templates / Jason A Kulpe, Stephanie J Lin, Jason H Nadler Selective Removal of Thiophene from Liquid Fuels over Nickel Based Nanocrystalline Zinc Oxide / Mohammad Rafiqul Islam, Jewel Andrew Gomes, Hylton McWhinney, Doanh Tran, Sameer Pallavkar, Md Islam, George Irwin, David Cocke Mineral Processing and Analysis. Characterization of a Greensand Slate from Cedro do Abaet' : Brazil to the Synthesis of a Potassium Thermophosphate / Adriana de Aquino Soeiro da Silva, Joao Alves Sampaio, Francisco Manoel Garrido, Marta Elosa Medeiros, Luiz Carlos Bertolino Application of High-Power Nanosecond Pulses to Flotation Separation of Sulfide Minerals / Igor Zh Bunin, Valentine A Chanturiya, Alexey T Kovalev, Irina A Khabarova, Elizaveta V Koporulina Sulfur Deposition Impact on Surface Morphology of Fly Ash-Based Adsorbent for Mercury Removal / Wei Gao, Qing-cai Liu, Cun-fang Lu, Jian Yang, Huimin Zheng, Chun-ling Yao Sulfur

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