



The 5th International Conference on Materials: Advances in Material Innovation

List of Posters



Poster Session – Thursday, 26 September 2024

Number	Author	Title
1	Dileswar Pradhan	Pressurized Hydrothermal Assisted Manufacturing of Cellulose Nanomaterials and Its Characterization
2	Elizaveta Tskhakaia	Promising Carbonaceous Materials Obtained From Agricultural Secondary Waste Applied for Water Purification
3	Krzysztof Żaba	Research on the Manufacturing Process of Tools With a L-PBF M300 Steel Working Layer for Sheet Metal Forming
4	Lela Kvinikadze	Engineering Resolution for Conversion of Agricultural Secondary Waste Into Activated, Ecologically and Economically Profitable Carbonaceous Material
5	Rahul Samyal	Study of Heat Affected Zone (HAZ) for Microwave Welded Stainless Steel Dissimilar Lap Joint
6	Rosario García-Giménez	Binary Cement Pastes From Wastes With Different Substitution Ratios: Mineralogical and Chemical Characterization
7	Tomasz Majka	The Influence of Lignosulfonamides on the Flammability and Thermal Properties of Polylactide Composites
8	Grzegorz Jagło	Characterization of Na _{0.5} Bi _{0.5} TiO ₃ Single Crystals by Ab Initio, Scanning Electron Microscopy, X-Ray Diffraction, X-Ray Photoelectron Spectroscopy, Optical Absorption, Thermoelectric and Electric Properties Studies
9	Chenggong Zhang	Evaluating Functionally Graded Material Designed for Bone Fixation Plates via Finite Element Methods
10	Emre Tural	Applications of Nanomaterials in Pediatrics
11	Poulami Sil	Optimization of Supercritical Fluid Extraction for Enhanced Yield of Gingerol Compounds From Ginger Oleoresin: A Pilot-Scale Study
12	Angelina Ivanova	Chitosan Hydrochloride: Tooth Enamel Film Formation as an Acid-Resistance Protection
13	Aarti Jaiswal	Surface-Enhanced Raman Scattering Detection of Arsenic Ions in Aqueous Solution Using Synthesized Sulfosalicylic Acid Functionalized Silver Nanoparticles
14	Jung-Sik Kim	Fabrication of Ultra-Thin Si-Based Strain Gauges for MEMS Pressure Sensor
15	Madiha Khan	Preparation of MnO ₂ loading Co ₃ O ₄ to Enhance the Acetone Sensing Properties
16	Pavel Rovnaník	Comparison of the Self-Sensing Properties of Aluminosilicate Composites With Graphite Filler Under Compression
17	Ashish Kumar Ranjan	H ₂ Generation in CuO/Cu ₂ O Thin Films via Plasmonic Catalysis
18	Biswaranjan Das Mohapatra	Optimization of Electrodeposition Conditions for Fe _x Hf _y and Ni _x Hf _y Double Hydroxides in Aqueous Medium and Their Electrocatalytic Oxygen Evolution Activity