



Contents :

Conception and Practice of Experimental Teaching System with Combination of Virtuality and Reality in Building Environment and Energy Engineering Specialty Under the Background of Large-Category Enrollment	01-06
Passive Sound Amplification Through the Combination of Acoustic Metamaterials and Materials	07-11
Exergetic Analysis sustainability Index (ESI) On Gas Turbine Compressor Package (GTCP) At Pt. Pertamina Gas Negara (PGN) Pagardewa Station	12-21
Performance analysis through Experimental Investigation on thermal power plant cogeneration system	22-30
Optimization of hole quality characteristics in laser micro drilling of Polymethyl Methacrylate	31-37
Mechanical Properties of Sustainable Concrete Utilizing Rubber Wastes as Fine Aggregate Replacement	38-50
Investigation of the Effect of Metamaterials on the Mitigation of Seismic Waves	51-60
Strain-Hardening Cementitious Composites Versus Normal Mortar for Shear Strengthening of Concrete Beams	61-75