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218	Multi-Physics and Artificial Intelligence Models for Digital Twin Implementations of Residential Electric Loads	Steven Poore (University of Kentucky)*; Rosemary E. Alden (University of Kentucky); Huangjie Gong (ABB US Research Center); Dan M. Ionel (University of Kentucky)	576-581
219	Direct-Drive Wind Generator Concept with Non-Rare-Earth PM Flux Intensifying Stator and Reluctance Outer Rotor	Ali Mohammadi (University of Kentucky)*; Oluwaseun Badewa (University of Kentucky); Yaser Chulaee (University of Kentucky); Dan M. Ionel (University of Kentucky); Somasundaram Essakiappan (QM Power Inc.); Madhav Manjrekar (QM Power Inc.)	582-587
221	High-Performance Power Maximization Based Wind Energy Conversion System Using Super Twisting Sliding Mode Approach	Ilhami Colak (Nisantasi University)*; Mounira Ali (Mounira); ilhan Garip (Nisantasi Univ)	588-596
222	Investigating the Energy Production Trends of Countries and Its Relationship Between Economic Complexity	Batuhan Hangün (Independent Researcher)*; Onder Eyecioglu (Bolu Izzet Baysal University); Murat BEKEN (Bolu Abant İzzet Baysal University)	597-600
223	Electricity Consumption Forecast using Machine Learning Regression Models in Turkey	Ümit Şentürk (Bolu Abant Izzet Baysal University)*; Murat Beken (Nisantasi University); Onder Eyecioglu (Bolu Izzet Baysal University)	601-605
224	Estimating the Effect of Renewable Energy Policies on the Republic of Turkey's Gross National Product by using Artificial Intelligence	Murat BEKEN (Bolu Abant İzzet Baysal University)*; Nursaç Kurt (Istinye University); Onder Eyecioglu (Bolu Izzet Baysal University)	606-610
225	Utilizing Machine Learning to Predict Offshore Wind Farm Power Output for European Countries	Oktay Ozturk (Wichita State University)*; Batuhan Hangün (Independent Researcher); Maryam Shoaieinaeini (Wichita State University);	611-615