

### **Characterizing energy flexibility of buildings with electric vehicles and shiftable appliances on single building level and aggregated level**

**Azizi, Elnaz; Ahmadiyahangar, Roya; Rosin, Argo;** Bolouki, Sadegh Sustainable cities and society 2022 / art. 103999

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### **Clustering-based penalty signal design for flexibility utilization**

**Rosin, Argo; Ahmadiyahangar, Roya; Azizi, Elnaz;** Sahoo, Subham; **Vinnikov, Dmitri;** Blaabjerg, Frede; Dragicevic, Tomislav; Bolouki, Sadegh IEEE Access 2020 / p. 208850-208860

<https://doi.org/10.1109/ACCESS.2020.3038822> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Cost/comfort-oriented clustering-based extended time of use pricing**

**Azizi, Elnaz;** Shotorbani, R.; **Ahmadiyahangar, Roya;** Mohammadi-Ivatloo, B.; **Rosin, Argo;** Sadiq, R. Sustainable cities and society 2021 / art. 102673, 10 p. : ill

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### **Energy storage expansion planning in microgrid**

**Ahmadiyahangar, Roya; Baharvandi, Amir; Rosin, Argo; Häring, Tobias; Azizi, Elnaz; Korötko, Tarmo; Shabbir, Noman**

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POWERENG) : Online - Setúbal, Portugal, 08 - 10 July, 2020 2020 / p. 433-437 <https://doi.org/10.1109/CPE-POWERENG48600.2020.9161502>

### **Flexibility investigation of price-responsive batteries in the microgrids cluster**

**Ahmadiyahangar, Roya; Azizi, Elnaz;** Subham, Sahoo; **Häring, Tobias; Rosin, Argo; Vinnikov, Dmitri;** Dragicevic, Tomislav;

Blaabjerg, Frede Proceedings : 2020 IEEE 14th International Conference on Compatibility, Power Electronics and Power

Engineering (CPE-POWERENG) : Online - Setúbal, Portugal, 08 - 10 July, 2020 2020 / p. 456-461 : ill <https://doi.org/10.1109/CPE-POWERENG48600.2020.9161667>

### **Residential energy flexibility characterization using non-intrusive load monitoring**

**Azizi, Elnaz; Ahmadiyahangar, Roya; Rosin, Argo;** Martins, Joao; Lopes, Rui Amaral; Beheshti, M. TH.; Bolouki, Sadegh

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