**Articles published in 2018**

Review of control strategies for improving the energy flexibility provided by heat pump systems in buildings. Thibault Q. Péan, Jaume Saloma and Ramon Costa-Castelló. Journal of Process control.
<https://doi.org/10.1016/j.jprocont.2018.03.006>

New domain for promoting energy efficiency: Energy Flexible Building Cluster. Ilaria Vigna, Roberta Pernetti, Wilmer Pasut, Lollini Roberto. Sustainable Cities and Society 38C (2018) pp. 526-533. <https://reader.elsevier.com/reader/sd/232A4F408D4CED41C5FF99784125DD0D6EA85A389C287AF3F325799EEDE2593ABDEF541425A9AC5CE991848652BF9AB1>

Energy Flexibility of Domestic Heat Loads – A Building Typology Approach of the Residential Building Stock in Austria. Tobias Weiß, Anna Fulterer and Armin Knotzer.
Advances in Building Energy Research. January 2018. <https://www.tandfonline.com/doi/abs/10.1080/17512549.2017.1420606>

Energy flexible buildings: An evaluation of definitions and quantification methodologies applied to thermal storage.
Glenn Reynders, Rui Amaral Lopes, Anna Marszal-Pomianowska, Daniel Aelenei, João Martins and Dirk Saelens.
Energy and Buildings 166, 2018. <https://reader.elsevier.com/reader/sd/C8A1DFA2AB89A1778D2B9E00FA6EF6963CFDAAD29E396FD03FFBED7FFD86DA7A2E3C8BC96C74780793E40031E1F2357F>

**Characterizing the Energy Flexibility of Buildings and Districts. Rune Grønborg Junker, Rishi Relan, Armin Ghasem Azar, Rui Amaral Lopes, Henrik Madsen. Accepted Applied Energy**

**Reducing the carbon footprint of house heating through model predictive control – A simulation study in Danish condition. P.J.C. Vogler-Finck, R. Wisniewski and P. Popovski. Submitted to Sustainable Cities and Society.**

**Influence of the thermal inertia of envelope and furniture on the building heating energy flexibility. H. Johra, P. Heiselberg, J. Le Dreau Submitted to Energy and Buildings.**

**Integration of a magnetocaloric heat pump in an energy flexible residential building. H. Johra, K. Filonenko, P. Heiselberg, C. Veje, S. Dall’Olio, K. Engelbrecht, C. Bah. Submitted to Renewable Energy.**

**Heating system energy flexibility of low-energy residential buildings. Kyriaki Foteinaki, Rongling Li, Alfred Heller, Carsten Rode. Submitted to Energy and Buildings**

**Articles published in 2017**

A fluctuating energy system demands for energy flexible buildings (in Danish).
Søren Østergaard Jensen, Anna Marszal Pomianowska.
HVAC Journal no. 1, January 2017.
[http://ipaper.ipapercms.dk/TechMedia/HVACMagasinet/2017/1/](http://ipaper.ipapercms.dk/TechMedia/HVACMagasinet/2017/1/%22%20%5Ct%20%22_blank)

Impact of Demand-Side Management on Thermal Comfort and Energy Costs in a Residential nZEB.
Thibault Péan, Joana Ortiz and Jaume Salom (2017).
Buildings, 7(2), p.37.
[www.mdpi.com/2075-5309/7/2/37](http://www.mdpi.com/2075-5309/7/2/37%22%20%5Ct%20%22_blank)

Are building users prepared for energy flexible buildings?—A large-scale survey in the Netherlands.
Rongling Li, Gamze Dane, Christian Finck, Wim Zeiler.
Applied Energy. Applied Energy 203 (2017) PP 623-634.
[www.sciencedirect.com/science/article/pii/S0306261917308206](http://www.sciencedirect.com/science/article/pii/S0306261917308206%22%20%5Ct%20%22_blank)

An Exploration of Load-Shifting Potential in real in-situ Heat-pump/Gas-boiler Hybrid.
Anne Stafford.
Building Services Engineering Research and Technology Journal. Vol 38 No.4, 2017, pp.450-460.
[http://journals.sagepub.com/doi/abs/10.1177/0143624416688727](http://journals.sagepub.com/doi/abs/10.1177/0143624416688727%22%20%5Ct%20%22_blank)

Space heating demand response potential of retrofitted residential apartment blocks.
Theis Heidmann Pedersen, Rasmus Elbæk Hedegaard, Steffen Petersen.
Energy and Building 141 (2017) 158–166
[www.sciencedirect.com/science/article/pii/S0378778816309355](http://www.sciencedirect.com/science/article/pii/S0378778816309355%22%20%5Ct%20%22_blank)

IEA EBC Annex 67 Energy Flexible Buildings.
Søren Østergaard Jensen, Anna Marszal-Pomianowska, Roberto Lolline, Wilmer Pasut, Armin Knotzer, Peter Engelmann, Anna Stafford and Glenn Reunders.
EBC special issue of Energy and Buildings.
[www.sciencedirect.com/science/article/pii/S0378778817317024](http://www.sciencedirect.com/science/article/pii/S0378778817317024%22%20%5Ct%20%22_blank)

Aggregation Potentials for Buildings—Business Models of Demand Response and Virtual Power Plants. Zeng Ma, Joy Dalmacio and Bo Nørregard Jørgensen. Energies 2017 vol. 10. [http://www.mdpi.com/1996-1073/10/10/1646/pdf.](http://www.mdpi.com/1996-1073/10/10/1646/pdf)

Consumer Central Energy Flexibility in Office Buildings. Zeng Ma, Joy Dalmacio and Bo Nørregard Jørgensen. Energy and Power Engineering 2017 vol. 11. [http://findresearcher.sdu.dk/portal/en/publications/consumer-central-energy-flexibility-in-office-buildings(f0b3e908-90c2-4b7e-bbd0-29771d51f027).html.](http://findresearcher.sdu.dk/portal/en/publications/consumer-central-energy-flexibility-in-office-buildings%28f0b3e908-90c2-4b7e-bbd0-29771d51f027%29.html)

Quantifying demand flexibility of power-to-heat and thermal energy storage in the control of building heating systems. Christian Finck, Rongling Li, Rick Kramer and Wim Zeiler. Applied Energy.
[https://doi.org/10.1016/j.apenergy. 2017.11.036](https://doi.org/10.1016/j.apenergy)

Multi-market demand response using economic model predictive control of space heating in residential buildings. Rasmus Elbæk Hedegaard, Theis Heidmann Pedersen and Steffen Petersen. Energy and Buildings 150 (2017) pp. 253-216. <https://www.sciencedirect.com/science/article/pii/S0378778816318175>

**Articles published in 2016**

Energy Flexibility: the challenge for last generation buildings (in Italian).
Wilmer Pasur, Toberta Pernitti, Roberto Lollini.
Casa&Clima no. 62, September 2016.
[www.eurac.edu/en/research/technologies/renewableenergy/publications/PublishingImages/Pages/General-Publications/CC62\_72.pdf](http://www.eurac.edu/en/research/technologies/renewableenergy/publications/PublishingImages/Pages/General-Publications/CC62_72.pdf)