

Farrokh Jazizadeh

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

47
papers

1,803
citations

18
h-index

42
g-index

58
ext. papers

2,249
ext. citations

5.7
avg, IF

5.55
L-index

| # | Paper | IF | Citations |
|----|--|------|-----------|
| 47 | Two-Stage Clustering of Household Electricity Load Shapes for Improved Temporal Pattern Representation. <i>IEEE Access</i> , 2021 , 1-1 | 3.5 | 0 |
| 46 | Quantification of Demand-Supply Balancing Capacity among Prosumers and Consumers: Community Self-Sufficiency Assessment for Energy Trading. <i>Energies</i> , 2021 , 14, 4318 | 3.1 | 3 |
| 45 | Energy saving potentials of integrating personal thermal comfort models for control of building systems: Comprehensive quantification through combinatorial consideration of influential parameters. <i>Applied Energy</i> , 2020 , 268, 114882 | 10.7 | 10 |
| 44 | mD-Resilience: A Multi-Dimensional Approach for Resilience-Based Performance Assessment in Urban Transportation. <i>Sustainability</i> , 2020 , 12, 4879 | 3.6 | 5 |
| 43 | A Machine Learning Framework to Infer Time-of-Use of Flexible Loads: Resident Behavior Learning for Demand Response. <i>IEEE Access</i> , 2020 , 8, 111718-111730 | 3.5 | 12 |
| 42 | What drives our behaviors in buildings? A review on occupant interactions with building systems from the lens of behavioral theories. <i>Building and Environment</i> , 2020 , 179, 106928 | 6.5 | 41 |
| 41 | Data-Driven Identification of Consumers With Deferrable Loads for Demand Response Programs. <i>IEEE Embedded Systems Letters</i> , 2020 , 12, 54-57 | 1 | 1 |
| 40 | Adaptive and distributed operation of HVAC systems: Energy and comfort implications of active diffusers as new adaptation capacities. <i>Building and Environment</i> , 2020 , 186, 107089 | 6.5 | 5 |
| 39 | Heat Flux Sensing for Machine-Learning-Based Personal Thermal Comfort Modeling. <i>Sensors</i> , 2019 , 19, | 3.8 | 11 |
| 38 | Residential loads flexibility potential for demand response using energy consumption patterns and user segments. <i>Applied Energy</i> , 2019 , 254, 113693 | 10.7 | 45 |
| 37 | Self-configuring event detection in electricity monitoring for human-building interaction. <i>Energy and Buildings</i> , 2019 , 187, 95-109 | 7 | 14 |
| 36 | Comparative assessment of HVAC control strategies using personal thermal comfort and sensitivity models. <i>Building and Environment</i> , 2019 , 158, 104-119 | 6.5 | 36 |
| 35 | An automated spectral clustering for multi-scale data. <i>Neurocomputing</i> , 2019 , 347, 94-108 | 5.4 | 16 |
| 34 | Assessing the Relationship between Transportation Diversity and Road Network Congestion Using Participatory-Sensing Data 2019 , | | 2 |
| 33 | Urban Transportation System Resilience and Diversity Coupling using Large-scale Taxicab GPS Data 2019 , | | 4 |
| 32 | Human-in-the-loop HVAC operations: A quantitative review on occupancy, comfort, and energy-efficiency dimensions. <i>Applied Energy</i> , 2019 , 239, 1471-1508 | 10.7 | 112 |
| 31 | fLEECe, an energy use and occupant behavior dataset for net-zero energy affordable senior residential buildings. <i>Scientific Data</i> , 2019 , 6, 291 | 8.2 | 8 |

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|----|---|------|-----|
| 30 | Personalized thermal comfort inference using RGB video images for distributed HVAC control. <i>Applied Energy</i> , 2018 , 220, 829-841 | 10.7 | 50 |
| 29 | Correlation of ambient air temperature and cognitive performance: A systematic review and meta-analysis. <i>Building and Environment</i> , 2018 , 143, 701-716 | 6.5 | 22 |
| 28 | EMBED 2018 , | | 8 |
| 27 | Smart HVAC Systems [Adjustable Airflow Direction]. <i>Lecture Notes in Computer Science</i> , 2018 , 193-209 | 0.9 | 3 |
| 26 | Multi-occupancy Indoor Thermal Condition Optimization in Consideration of Thermal Sensitivity. <i>Lecture Notes in Computer Science</i> , 2018 , 232-242 | 0.9 | 3 |
| 25 | Vision-based thermal comfort quantification for HVAC control. <i>Building and Environment</i> , 2018 , 142, 513-523 | 6.3 | 18 |
| 24 | Towards integration of doppler radar sensors into personalized thermoregulation-based control of HVAC 2017 , | | 4 |
| 23 | Non-Intrusive Detection of Respiration for Smart Control of HVAC System 2017 , | | 3 |
| 22 | Artificial Versus Natural Light Source Identification with Light Intensity Sensors for Energy Monitoring. <i>Procedia Engineering</i> , 2016 , 145, 956-963 | | 1 |
| 21 | Can computers visually quantify human thermal comfort? 2016 , | | 7 |
| 20 | Towards Urban Facilities Energy Performance Evaluation Using Remote Sensing. <i>Procedia Engineering</i> , 2016 , 145, 916-923 | | 0 |
| 19 | User-led decentralized thermal comfort driven HVAC operations for improved efficiency in office buildings. <i>Energy and Buildings</i> , 2014 , 70, 398-410 | 7 | 123 |
| 18 | An unsupervised hierarchical clustering based heuristic algorithm for facilitated training of electricity consumption disaggregation systems. <i>Advanced Engineering Informatics</i> , 2014 , 28, 311-326 | 7.4 | 30 |
| 17 | A knowledge based approach for selecting energy-aware and comfort-driven HVAC temperature set points. <i>Energy and Buildings</i> , 2014 , 85, 536-548 | 7 | 102 |
| 16 | Human-Building Interaction Framework for Personalized Thermal Comfort-Driven Systems in Office Buildings. <i>Journal of Computing in Civil Engineering</i> , 2014 , 28, 2-16 | 5 | 96 |
| 15 | Spatiotemporal lighting load disaggregation using light intensity signal. <i>Energy and Buildings</i> , 2014 , 69, 572-583 | 7 | 16 |
| 14 | A thermal preference scale for personalized comfort profile identification via participatory sensing. <i>Building and Environment</i> , 2013 , 68, 140-149 | 6.5 | 53 |
| 13 | Personalized Thermal Comfort-Driven Control in HVAC-Operated Office Buildings 2013 , | | 17 |

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|----|---|-----|-----|
| 12 | Online Learning for Personalized Room-Level Thermal Control 2013 , | | 6 |
| 11 | Unsupervised Approach for Autonomous Pavement-Defect Detection and Quantification Using an Inexpensive Depth Sensor. <i>Journal of Computing in Civil Engineering</i> , 2013 , 27, 743-754 | 5 | 85 |
| 10 | Coordinating occupant behavior for building energy and comfort management using multi-agent systems. <i>Automation in Construction</i> , 2012 , 22, 525-536 | 9.6 | 226 |
| 9 | BIM-Enabled Virtual and Collaborative Construction Engineering and Management. <i>Journal of Professional Issues in Engineering Education and Practice</i> , 2012 , 138, 234-245 | 0.7 | 73 |
| 8 | Application Areas and Data Requirements for BIM-Enabled Facilities Management. <i>Journal of Construction Engineering and Management - ASCE</i> , 2012 , 138, 431-442 | 4.2 | 432 |
| 7 | Toward adaptive comfort management in office buildings using participatory sensing for end user driven control 2012 , | | 21 |
| 6 | A novel system for road surface monitoring using an inexpensive infrared laser sensor 2012 , | | 5 |
| 5 | Effects of Color, Distance, and Incident Angle on Quality of 3D Point Clouds 2011 , | | 4 |
| 4 | Continuous Sensing of Occupant Perception of Indoor Ambient Factors 2011 , | | 16 |
| 3 | Assessment of target types and layouts in 3D laser scanning for registration accuracy. <i>Automation in Construction</i> , 2011 , 20, 649-658 | 9.6 | 47 |
| 2 | Development of a three-dimensional numerical model to solve shallow-water equations in compound channels. <i>Canadian Journal of Civil Engineering</i> , 2008 , 35, 963-974 | 1.3 | 3 |
| 1 | AI-powered virtual assistants nudging occupants for energy saving: proactive smart speakers for HVAC control. <i>Building Research and Information</i> , 1-16 | 4.3 | 0 |