

Farrokh Jazizadeh

List of Publications by Citations

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Version: 2024-04-26

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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	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
46	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
45	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
44	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
43	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
42	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
41	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
40	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
39	A thermal preference scale for personalized comfort profile identification via participatory sensing. <i>Building and Environment</i> , 2013 , 68, 140-149	6.5	53
38	Personalized thermal comfort inference using RGB video images for distributed HVAC control. <i>Applied Energy</i> , 2018 , 220, 829-841	10.7	50
37	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
36	Residential loads flexibility potential for demand response using energy consumption patterns and user segments. <i>Applied Energy</i> , 2019 , 254, 113693	10.7	45
35	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
34	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
33	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
32	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
31	Toward adaptive comfort management in office buildings using participatory sensing for end user driven control 2012 ,		21

30	Vision-based thermal comfort quantification for HVAC control. <i>Building and Environment</i> , 2018 , 142, 5136-5143	5.3	18
29	Personalized Thermal Comfort-Driven Control in HVAC-Operated Office Buildings 2013 ,		17
28	An automated spectral clustering for multi-scale data. <i>Neurocomputing</i> , 2019 , 347, 94-108	5.4	16
27	Spatiotemporal lighting load disaggregation using light intensity signal. <i>Energy and Buildings</i> , 2014 , 69, 572-583	7	16
26	Continuous Sensing of Occupant Perception of Indoor Ambient Factors 2011 ,		16
25	Self-configuring event detection in electricity monitoring for human-building interaction. <i>Energy and Buildings</i> , 2019 , 187, 95-109	7	14
24	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
23	Heat Flux Sensing for Machine-Learning-Based Personal Thermal Comfort Modeling. <i>Sensors</i> , 2019 , 19,	3.8	11
22	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
21	EMBED 2018 ,		8
20	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
19	Can computers visually quantify human thermal comfort? 2016 ,		7
18	Online Learning for Personalized Room-Level Thermal Control 2013 ,		6
17	mD-Resilience: A Multi-Dimensional Approach for Resilience-Based Performance Assessment in Urban Transportation. <i>Sustainability</i> , 2020 , 12, 4879	3.6	5
16	A novel system for road surface monitoring using an inexpensive infrared laser sensor 2012 ,		5
15	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
14	Towards integration of doppler radar sensors into personalized thermoregulation-based control of HVAC 2017 ,		4
13	Effects of Color, Distance, and Incident Angle on Quality of 3D Point Clouds 2011 ,		4

12	Urban Transportation System Resilience and Diversity Coupling using Large-scale Taxicab GPS Data 2019,		4
11	Non-Intrusive Detection of Respiration for Smart Control of HVAC System 2017,		3
10	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
9	Smart HVAC Systems [Adjustable Airflow Direction]. <i>Lecture Notes in Computer Science</i> , 2018 , 193-209	0.9	3
8	Multi-occupancy Indoor Thermal Condition Optimization in Consideration of Thermal Sensitivity. <i>Lecture Notes in Computer Science</i> , 2018 , 232-242	0.9	3
7	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
6	Assessing the Relationship between Transportation Diversity and Road Network Congestion Using Participatory-Sensing Data 2019,		2
5	Artificial Versus Natural Light Source Identification with Light Intensity Sensors for Energy Monitoring. <i>Procedia Engineering</i> , 2016 , 145, 956-963		1
4	Data-Driven Identification of Consumers With Deferrable Loads for Demand Response Programs. <i>IEEE Embedded Systems Letters</i> , 2020 , 12, 54-57	1	1
3	Two-Stage Clustering of Household Electricity Load Shapes for Improved Temporal Pattern Representation. <i>IEEE Access</i> , 2021 , 1-1	3.5	0
2	Towards Urban Facilities Energy Performance Evaluation Using Remote Sensing. <i>Procedia Engineering</i> , 2016 , 145, 916-923		0
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