Mikkel Baun B KjÃ¦rgaard

List of Publications by Year
in descending order

84	2,397	623734 14	454955 30
papers	citations	h-index	g-index

88	88	88	1908
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Smart Devices are Different. , 2015, , .		420
2	EnTracked. , 2009, , .		175
3	Brick. , 2016, , .		139
4	Indoor location fingerprinting with heterogeneous clients. Pervasive and Mobile Computing, 2011, 7, 31-43.	3.3	137
5	Brick : Metadata schema for portable smart building applications. Applied Energy, 2018, 226, 1273-1292.	10.1	129
6	A Taxonomy for Radio Location Fingerprinting. , 2007, , 139-156.		129
7	Introducing IEA EBC annex 79: Key challenges and opportunities in the field of occupant-centric building design and operation. Building and Environment, 2020, 178, 106738.	6.9	129
8	Indoor Positioning Using GPS Revisited. Lecture Notes in Computer Science, 2010, , 38-56.	1.3	87
9	A review of select human-building interfaces and their relationship to human behavior, energy use and occupant comfort. Building and Environment, 2020, 178, 106920.	6.9	79
10	Hyperbolic Location Fingerprinting: A Calibration-Free Solution for Handling Differences in Signal Strength (concise contribution). , 2008, , .		63
11	Analysis methods for extracting knowledge from large-scale WiFi monitoring to inform building facility planning. , 2014, , .		59
12	Mobile sensing of pedestrian flocks in indoor environments using WiFi signals. , 2012, , .		58
13	Energy-efficient trajectory tracking for mobile devices. , 2011, , .		57
14	Detecting pedestrian flocks by fusion of multi-modal sensors in mobile phones. , 2012, , .		52
15	Error Estimation for Indoor 802.11 Location Fingerprinting. Lecture Notes in Computer Science, 2009, , 138-155.	1.3	42
16	Spatio-temporal facility utilization analysis from exhaustive WiFi monitoring. Pervasive and Mobile Computing, 2015, 16, 305-316.	3.3	34
17	Performance comparison of occupancy count estimation and prediction with common versus dedicated sensors for building model predictive control. Building Simulation, 2017, 10, 829-843.	5.6	33
18	Robust and Energy-Efficient Trajectory Tracking for Mobile Devices. IEEE Transactions on Mobile Computing, 2015, 14, 430-443.	5.8	32

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19	Time-lag method for detecting following and leadership behavior of pedestrians from mobile sensing data. , 2013, , .		28
20	PLCount. , 2016, , .		28
21	Automatic Mitigation of Sensor Variations for Signal Strength Based Location Systems. Lecture Notes in Computer Science, 2006, , 30-47.	1.3	26
22	Accounting for the Invisible Work of Hospital Orderlies. , 2016, , .		25
23	A World Class Energy Efficient University Building by Danish 2020 Standards. Energy Procedia, 2017, 132, 21-26.	1.8	23
24	Current practices and infrastructure for open data based research on occupant-centric design and operation of buildings. Building and Environment, 2020, 177, 106848.	6.9	23
25	Demand response in commercial buildings with an Assessable impact on occupant comfort. , 2016, , .		20
26	OccuRE: An Occupancy REasoning Platform for Occupancy-Driven Applications. , 2016, , .		19
27	Categorization framework and survey of occupancy sensing systems. Pervasive and Mobile Computing, 2017, 38, 1-13.	3.3	18
28	Room-level occupant counts and environmental quality from heterogeneous sensing modalities in a smart building. Scientific Data, 2019, 6, 287.	5.3	18
29	Composcan. , 2008, , .		17
30	Tool support for detection and analysis of following and leadership behavior of pedestrians from mobile sensing data. Pervasive and Mobile Computing, 2014, 10, 104-117.	3.3	13
31	Challenge. , 2015, , .		13
32	Improving occupancy presence prediction via multi-label classification. , 2016, , .		13
33	Energy flexibility in retail buildings: From a business ecosystem perspective. , 2017, , .		13
34	PROMT: predicting occupancy presence in multiple resolution with time-shift agnostic classification. Computer Science - Research and Development, 2018, 33, 105-115.	2.7	13
35	Zone-Based RSS Reporting for Location Fingerprinting. Lecture Notes in Computer Science, 2007, , 316-333.	1.3	13
36	Commercial Buildings Energy Performance within Context - Occupants in Spotlight. , 2015, , .		13

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37	Sensing and Classifying Impairments of GPS Reception on Mobile Devices. Lecture Notes in Computer Science, 2011, , 350-367.	1.3	12
38	Computational environmental ethnography. , 2013, , .		12
39	Towards Indoor Transportation Mode Detection Using Mobile Sensing. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2015, , 259-279.	0.3	12
40	Room-level occupant counts, airflow and CO ₂ data from an office building. , 2018, , .		11
41	Unsupervised Power Profiling for Mobile Devices. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2012, , 138-149.	0.3	11
42	HeteroSense. , 2019, , .		10
43	Challenges for social sensing using WiFi signals. , 2012, , .		9
44	ACTIVITY RECOGNITION ON SMART DEVICES. GetMobile (New York, N Y), 2016, 20, 34-38.	1.0	9
45	Estimating Common Pedestrian Routes through Indoor Path Networks Using Position Traces. , 2014, , .		8
46	Studying Sensing-Based Systems: Scaling to Human Crowds in the Real World. IEEE Internet Computing, 2013, 17, 80-84.	3.3	7
47	High Classification Rates for Continuous Cow Activity Recognition Using Low-Cost GPS Positioning Sensors and Standard Machine Learning Techniques. Lecture Notes in Computer Science, 2011, , 174-188.	1.3	7
48	Handheld versus wearable interaction design for professionals. , 2014, , .		6
49	Mobile Crowdsourcing of Data for Fault Detection and Diagnosis in Smart Buildings. , 2016, , .		6
50	Task phase recognition for highly mobile workers in large building complexes. , 2016, , .		6
51	PerPos. , 2010, , .		5
52	The impact of sensor errors and building structures on particle filter-based inertial positioning. Pervasive and Mobile Computing, 2012, 8, 764-776.	3.3	5
53	Mobile crowdsourcing of occupant feedback in smart buildings. ACM SIGAPP Applied Computing Review: A Publication of the Special Interest Group on Applied Computing, 2017, 17, 5-14.	0.9	5
54	The impact of occupancy resolution on the accuracy of building energy performance simulation. , 2018, , .		5

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55	Anonymizing building data for data analytics in cross-organizational settings. , 2019, , .		5
56	On Architectural Qualities and Tactics for Mobile Sensing. , 2015, , .		4
57	Influential factors for accurate load prediction in a Demand Response context. , 2016, , .		4
58	On Improving the Energy Efficiency and Robustness of Position Tracking for Mobile Devices. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2012, , 162-173.	0.3	4
59	Towards a New Classification of Location Privacy Methods in Pervasive Computing. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2012, , 150-161.	0.3	4
60	Efficient Indoor Proximity and Separation Detection for Location Fingerprinting. , 2008, , .		4
61	Mining building metadata by data stream comparison. , 2016, , .		3
62	Towards a metadata discovery, maintenance and validation process to support applications that improve the energy performance of buildings. , 2016, , .		3
63	GammaSense: Infrastructureless Positioning Using Background Radioactivity. Lecture Notes in Computer Science, 2008, , 69-82.	1.3	3
64	PerPos: A Translucent Positioning Middleware Supporting Adaptation of Internal Positioning Processes. Lecture Notes in Computer Science, 2010, , 232-251.	1.3	3
65	Tool-chain for supporting Privacy Risk Assessments. , 2020, , .		3
66	Demonstrating EnTracked a system for energy-efficient position tracking for mobile devices. , 2010, , .		2
67	Distinguishing Electric Vehicles from Fossil-Fueled Vehicles with Mobile Sensing. , 2014, , .		2
68	Predicting Occupancy Presence in Multiple Resolutions for Commercial Buildings. , 2016, , .		2
69	Clustering and Visualisation of Electricity Data to identify Demand Response Opportunities. , 2016, , .		2
70	Demand response with model predictive comfort compliance in an office building. , 2017, , .		2
71	Ontology-Based Modeling of Privacy Vulnerabilities for Data Sharing. IFIP Advances in Information and Communication Technology, 2020, , 109-125.	0.7	2
72	Portable Queries Using the Brick Schema for Building Applications. , 2016, , .		1

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73	Task phase recognition and task progress estimation for highly mobile workers in large building complexes. Pervasive and Mobile Computing, 2017, 38, 418-429.	3.3	1
74	Activity Recognition using Multi-Class Classification inside an Educational Building. , 2020, , .		1
75	Energy Efficiency in a Mobile World. Power Systems, 2016, , 249-268.	0.5	1
76	Exposing position uncertainty in middleware. , 2010, , .		1
77	DactyLoc: A minimally geo-referenced WiFi+GSM-fingerprint-based localization method for positioning in urban spaces. , 2012, , .		0
78	Demonstrating OccuRE. , 2016, , .		0
79	Real-time Occupancy Correction Method for 3D Stereovision Counting Cameras. , 2018, , .		0
80	Scalable and Accurate Estimation of Room-Level People Counts from Multi-Modal Fusion of Perimeter Sensors and WiFi Trajectories. , 2019, , .		0
81	Human-centered Information for Decision-Making Processes of Future Space Designs. , 2020, , .		0
82	The Use of GPS for Handling Lack of Indoor Constraints in Particle Filter-Based Inertial Positioning. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2012, , 383-385.	0.3	0
83	Using Extracted Behavioral Features to Improve Privacy for Shared Route Tracks. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2012, , 107-118.	0.3	0
84	PosQ: Unsupervised Fingerprinting and Visualization of GPS Positioning Quality. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2012, , 176-194.	0.3	0