

Yohan Chon

List of Publications by Year in descending order

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22
papers

724
citations

840585

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h-index

887953

17
g-index

22
all docs

22
docs citations

22
times ranked

958
citing authors

#	ARTICLE	IF	CITATIONS
1	Unsupervised Construction of an Indoor Floor Plan Using a Smartphone. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2012, 42, 889-898.	3.3	117
2	Smartphone-Based Collaborative and Autonomous Radio Fingerprinting. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2012, 42, 112-122.	3.3	111
3	Mobility prediction-based smartphone energy optimization for everyday location monitoring. , 2011, , .		108
4	Evaluating mobility models for temporal prediction with high-granularity mobility data. , 2012, , .		62
5	Occupancy Prediction Algorithms for Thermostat Control Systems Using Mobile Devices. IEEE Transactions on Smart Grid, 2013, 4, 1332-1340.	6.2	52
6	SmartDC: Mobility Prediction-Based Adaptive Duty Cycling for Everyday Location Monitoring. IEEE Transactions on Mobile Computing, 2014, 13, 512-525.	3.9	50
7	Content Sharing over Smartphone-Based Delay-Tolerant Networks. IEEE Transactions on Mobile Computing, 2013, 12, 581-595.	3.9	41
8	Autonomous Management of Everyday Places for a Personalized Location Provider. IEEE Transactions on Systems, Man and Cybernetics, Part C: Applications and Reviews, 2012, 42, 518-531.	3.3	34
9	Automatic Standby Power Management Using Usage Profiling and Prediction. IEEE Transactions on Human-Machine Systems, 2013, 43, 535-546.	2.5	32
10	Crowdsensing-based Wi-Fi radio map management using a lightweight site survey. Computer Communications, 2015, 60, 86-96.	3.1	28
11	MRI: Model-Based Radio Interpolation for Indoor War-Walking. IEEE Transactions on Mobile Computing, 2015, 14, 1231-1244.	3.9	17
12	Content-Centric Energy Management of Mobile Displays. IEEE Transactions on Mobile Computing, 2016, 15, 1925-1938.	3.9	16
13	Smartphone-Based Indoor Pedestrian Tracking Using Geo-Magnetic Observations. Mobile Information Systems, 2013, 9, 123-137.	0.4	11
14	User context-based data delivery in opportunistic smartphone networks. Pervasive and Mobile Computing, 2015, 17, 122-138.	2.1	11
15	Adaptive Duty Cycling for Place-Centric Mobility Monitoring using Zero-Cost Information in Smartphone. IEEE Transactions on Mobile Computing, 2014, 13, 1694-1706.	3.9	10
16	Predicting smartphone battery usage using cell tower ID monitoring. Pervasive and Mobile Computing, 2014, 13, 99-110.	2.1	7
17	A context-rich and extensible framework for spontaneous smartphone networking. Computer Communications, 2014, 37, 25-39.	3.1	6
18	Prediction-based personalized offloading of cellular traffic through WiFi networks. , 2016, , .		5

#	ARTICLE	IF	CITATIONS
19	Scalable and consistent radio map management using participatory sensing. Pervasive and Mobile Computing, 2017, 40, 397-413.	2.1	4
20	PION: Human mobility-based service provisioning framework for smartphone users. , 2012, , .		1
21	Transient data delivery using fine-grained mobility data in spontaneous smartphone networks. Wireless Communications and Mobile Computing, 2015, 15, 910-923.	0.8	1
22	Autonomous Construction of a Mountain Terrain Map Using Low-Cost Sensors and Group Information. , 2013, , .		0