Yun-Wei Lin

List of Publications by Citations

337 papers	4,972 citations	33 h-index	59 g-index
372 ext. papers	6,312 ext. citations	5.3 avg, IF	5.95 L-index

#	Paper	IF	Citations
337	Movement-based location update and selective paging for PCS networks. *IEEE/ACM Transactions on Networking*, **1996**, 4, 629-638	3.8	367
336	. *IEEE Transactions on Vehicular Technology*, **1994**, 43, 704-712	6.8	226
335	Reducing location update cost in a PCS network. *IEEE/ACM Transactions on Networking*, **1997**, 5, 25-33	3.8	182
334	. *IEEE Journal on Selected Areas in Communications*, **1994**, 12, 1434-1444	14.2	166
333	Channel occupancy times and handoff rate for mobile computing and PCS networks. *IEEE Transactions on Computers*, **1998**, 47, 679-692	2.5	158
332	A new random walk model for PCS networks. *IEEE Journal on Selected Areas in Communications*, **2000**, 18, 1254-1260	14.2	134
331	An auxiliary user location strategy employing forwarding pointers to reduce network impacts of PCS. *Wireless Networks*, **1995**, 1, 197-210	2.5	122
330	Mobicast Routing Protocol for Underwater Sensor Networks. *IEEE Sensors Journal*, **2013**, 13, 737-749	4	93
329	The sub-rating channel assignment strategy for PCS hand-offs. *IEEE Transactions on Vehicular Technology*, **1996**, 45, 122-130	6.8	82
328	Modeling PCS networks under general call holding time and cell residence time distributions. *IEEE/ACM Transactions on Networking*, **1997**, 5, 893-906	3.8	77
327	Call performance for a PCS network. *IEEE Journal on Selected Areas in Communications*, **1997**, 15, 1568-1581	14.2	72
326	Portable movement modeling for PCS networks. *IEEE Transactions on Vehicular Technology*, **2000**, 49, 1356-1363	6.8	71
325	Modeling UMTS discontinuous reception mechanism. *IEEE Transactions on Wireless Communications*, **2005**, 4, 312-319	9.6	68
324	Charge scheduling of electric vehicles in highways. *Mathematical and Computer Modelling*, **2013**, 57, 2873-2882		67
323	AgriTalk: IoT for Precision Soil Farming of Turmeric Cultivation. *IEEE Internet of Things Journal*, **2019**, 6, 5209-5223	10.7	64
322	Performance analysis for voice/data integration on a finite-buffer mobile system. *IEEE Transactions on Vehicular Technology*, **2000**, 49, 367-378	6.8	60
321	Reducing authentication signaling traffic in third-generation mobile network. *IEEE Transactions on Wireless Communications*, **2003**, 2, 493-501	9.6	55

320	Channel allocation for GPRS. *IEEE Transactions on Vehicular Technology*, **2001**, 50, 375-387	6.8	55
319	. *IEEE Transactions on Vehicular Technology*, **1994**, 43, 466-473	6.8	54
318	IoTtalk: A Management Platform for Reconfigurable Sensor Devices. *IEEE Internet of Things Journal*, **2017**, 4, 1552-1562	10.7	53
317	An Investigation on LTE Mobility Management. *IEEE Transactions on Mobile Computing*, **2013**, 12, 166-176	4.6	52
316	Eliminating the boundary effect of a large-scale personal communication service network simulation. *ACM Transactions on Modeling and Computer Simulation*, **1994**, 4, 165-190	0.6	52
315	DIR: diagonal-intersection-based routing protocol for vehicular ad hoc networks. *Telecommunication Systems*, **2011**, 46, 299-316	2.3	47
314	RiceTalk: Rice Blast Detection Using Internet of Things and Artificial Intelligence Technologies. *IEEE Internet of Things Journal*, **2020**, 7, 1001-1010	10.7	46
313	A Mobicast Routing Protocol in Vehicular Ad-Hoc Networks. *Mobile Networks and Applications*, **2010** , 15, 20-35	2.9	44
312	A study of time warp rollback mechanisms. *ACM Transactions on Modeling and Computer Simulation*, **1991**, 1, 51-72	0.6	44
311	A time-division algorithm for parallel simulation. *ACM Transactions on Modeling and Computer Simulation*, **1991**, 1, 73-83	0.6	44
310	Performance modeling for mobile telephone networks. *IEEE Network*, **1997**, 11, 63-68	11.4	43
309	EasyConnect: A Management System for IoT Devices and Its Applications for Interactive Design and Art. *IEEE Internet of Things Journal*, **2015**, 2, 551-561	10.7	42
308	PACS: Personal Access Communications System-a tutorial. *IEEE Personal Communications*, **1996**, 3, 32-43		41
307	Effects of cache mechanism on wireless data access. *IEEE Transactions on Wireless Communications*, **2003**, 2, 1247-1258	9.6	39
306	One-pass GPRS and IMS authentication procedure for UMTS. *IEEE Journal on Selected Areas in Communications*, **2005**, 23, 1233-1239	14.2	35
305	Modeling techniques for large-scale PCS networks **1997**, 35, 102-107		33
304	Failure restoration of mobility databases for personal communication networks. *Wireless Networks*, **1995**, 1, 365-372	2.5	33
303	Performance analysis for dual band PCS networks. *IEEE Transactions on Computers*, **2000**, 49, 148-159	2.5	32

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301	. *IEEE Transactions on Vehicular Technology*, **2003**, 52, 1603-1615	6.8	30
300	Performance of LoRa-Based IoT Applications on Campus **2017**,		29
299	Mobility management: from GPRS to UMTS. *Wireless Communications and Mobile Computing*, **2001**, 1, 339-359	1.9	28
298	Modeling the sleep mode for cellular digital packet data. *IEEE Communications Letters*, **1999**, 3, 63-65	3.8	28
297	Analyzing the trade off between implementation costs and performance: PCS Channel Assignment Strategies for Hand-off and Initial Access. *IEEE Personal Communications*, **1994**, 1, 47		28
296	ArduTalk: An Arduino Network Application Development Platform Based on IoTtalk. *IEEE Systems Journal*, **2019**, 13, 468-476	4.3	28
295	Location tracking with distributed HLRs and pointer forwarding. *IEEE Transactions on Vehicular Technology*, **1998**, 47, 58-64	6.8	27
294	Comparing soft and hard handoffs. *IEEE Transactions on Vehicular Technology*, **2000**, 49, 792-798	6.8	27
293	NB-IoTtalk: A Service Platform for Fast Development of NB-IoT Applications. *IEEE Internet of Things Journal*, **2018**, 1-1	10.7	26
292	IoTtalk-RC: Sensors As Universal Remote Control for Aftermarket Home Appliances. *IEEE Internet of Things Journal*, **2017**, 4, 1104-1112	10.7	25
291	Dynamic periodic location area update in mobile networks. *IEEE Transactions on Vehicular Technology*, **2002**, 51, 1494-1501	6.8	25
290	An all-IP approach for UMTS third-generation mobile networks. *IEEE Network*, **2002**, 16, 8-19	11.4	25
289	CampusTalk: IoT Devices and Their Interesting Features on Campus Applications. *IEEE Access*, **2018**, 6, 26036-26046	3.5	23
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286	A forwarding strategy to reduce network impacts of PCS		22
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284	A novel fluorescent biosensor for detection of target DNA fragment from the transgene cauliflower mosaic virus 35S promoter. *Biosensors and Bioelectronics*, **2013**, 41, 168-71	11.8	20
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280	The SDN Approach for the Aggregation/Disaggregation of Sensor Data. *Sensors*, **2018**, 18,	3.8	18
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