Ansar Yasar

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.

112 papers	1,059 citations	15 h-index	28 g-index
163 ext. papers	1,380 ext. citations	2.7 avg, IF	4.96 L-index

#	Paper	IF	Citations
112	Performance Evaluation of VANET Routing Protocols in Madinah City. *Electronics (Switzerland)*, **2022**, 11, 777	2.6	1
111	A Survivable Communication Game based Approach for a network of cooperative UAVs. *Computer Communications*, **2021**, 173, 120-133	5.1	1
110	An energy efficient IoD static and dynamic collision avoidance approach based on gradient optimization. *Ad Hoc Networks*, **2021**, 118, 102519	4.8	1
109	Toward the improvement of traffic incident management systems using Car2X technologies. *Personal and Ubiquitous Computing*, **2021**, 25, 163-176	2.1	5
108	UAV-enabled intelligent traffic policing and emergency response handling system for the smart city. *Personal and Ubiquitous Computing*, **2021**, 25, 33-50	2.1	13
107	MBS: Multilevel Blockchain System for IoT. *Personal and Ubiquitous Computing*, **2021**, 25, 247-254	2.1	12
106	Using Surrogate Measures to Evaluate the Safety of Autonomous Vehicles. *Procedia Computer Science*, **2021**, 191, 151-159	1.6	2
105	STIMF: a smart traffic incident management framework. *Journal of Ambient Intelligence and Humanized Computing*, **2021**, 12, 85-101	3.7	2
104	N-Beats for Backup Routing Optimization in Cloud Acknowledgement Scheme for a Node Network. *Procedia Computer Science*, **2021**, 191, 272-281	1.6	
103	Energy Efficient Task Scheduling in Fog Environment using Deep Reinforcement Learning Approach. *Procedia Computer Science*, **2021**, 191, 65-75	1.6	1
102	Special issue on trends & advances to mine intelligence from ambient data. *Personal and Ubiquitous Computing*, **2021**, 25, 1-5	2.1	
101	Assessment of the Traffic Enforcement Strategies Impact on Emission Reduction and Air Quality. *Procedia Computer Science*, **2021**, 184, 549-556	1.6	1
100	Long Short-Term Memory Approach for Routing Optimization in Cloud ACKnowledgement Scheme for Node Network. *Procedia Computer Science*, **2021**, 184, 461-468	1.6	
99	Task Scheduling in Cloud Using Deep Reinforcement Learning. *Procedia Computer Science*, **2021**, 184, 42-51	1.6	5
98	Vehicular Data Offloading by Road-Side Units Using Intelligent Software Defined Network. *Procedia Computer Science*, **2020**, 177, 151-161	1.6	2
97	IoT mobile device Data Offloading by Small-Base Station Using Intelligent Software Defined Network. *Procedia Computer Science*, **2020**, 177, 234-244	1.6	3
96	Socially-Structured Vanpooling: A Case Study in Salalah, Oman. *IEEE Intelligent Transportation Systems Magazine*, **2020**, 0-0	2.6	0

95	Decision-Making under Time Pressure when Rescheduling Daily Activities. *Procedia Computer Science*, **2020**, 170, 281-288	1.6	
94	Effect of sidewalk vendors on pedestrian movement characteristics: A microscopic simulation study of Addis Ababa, Ethiopia. *Cities*, **2020**, 103, 102769	5.6	6
93	A microsimulation-based analysis for driving behaviour modelling on a congested expressway. *Journal of Ambient Intelligence and Humanized Computing*, **2020**, 11, 5857-5874	3.7	5
92	Standard freeway merge designs support safer driver behaviour compared to taper designs: a driving simulator study. *Ergonomics*, **2020**, 63, 407-420	2.9	0
91	End-to-End QoS "Smart Queue" Management Algorithms and Traffic Prioritization Mechanisms for Narrow-Band Internet of Things Services in 4G/5G Networks. *Sensors*, **2020**, 20,	3.8	26
90	Queue based Vehicular Ad Hoc Network Prognostic Offloading Approach. *Procedia Computer Science*, **2020**, 170, 584-593	1.6	2
89	A Survey of Approaches for Estimating Meteorological Visibility Distance Under Foggy Weather Conditions. *Advances in Mechatronics and Mechanical Engineering*, **2020**, 65-92	0.5	2
88	Impact of Transport Network Changes on Tourism in Protected Areas: A Case Study of Ayubia National Park, Pakistan. *Journal of Transportation Technologies*, **2020**, 10, 325-350	0.8	3
87	Acknowledgment scheme using cloud for node networks with energy-aware hybrid scheduling strategy. *Journal of Ambient Intelligence and Humanized Computing*, **2020**, 11, 3947-3962	3.7	6
86	A Novel Approach for Efficient Management of Data Lifespan of IoT Devices. *IEEE Internet of Things Journal*, **2020**, 7, 4566-4574	10.7	7
85	Enhanced Cloud Acknowledgement Scheme for a Node Network. *Procedia Computer Science*, **2020**, 175, 46-55	1.6	2
84	Simulation-based Evaluation of Using Variable Speed Limit in Traffic Incidents. *Procedia Computer Science*, **2020**, 175, 340-348	1.6	4
83	IoD swarms collision avoidance via improved particle swarm optimization. *Transportation Research, Part A: Policy and Practice*, **2020**, 142, 260-278	3.7	2
82	Evaluating Active Traffic Management (ATM) Strategies under Non-Recurring Congestion: Simulation-Based with Benefit Cost Analysis Case Study. *Sustainability*, **2020**, 12, 6027	3.6	3
81	GTFS bus stop mapping to the OSM network. *Future Generation Computer Systems*, **2020**, 110, 393-406	7.5	4
80	Toward a bio-inspired adaptive spatial clustering approach for IoT applications. *Future Generation Computer Systems*, **2020**, 107, 736-744	7.5	14
79	Optimal recharging framework and simulation for electric vehicle fleet. *Future Generation Computer Systems*, **2020**, 107, 745-757	7.5	9
78	A real-time service system in the cloud. *Journal of Ambient Intelligence and Humanized Computing*, **2020**, 11, 961-977	3.7	49

77	Facilitating research through serendipity of recommendations. *Journal of Ambient Intelligence and Humanized Computing*, **2020**, 11, 2263-2275	3.7	5
76	V2V and V2I Communications for Traffic Safety and CO2 Emission Reduction: A Performance Evaluation. *Procedia Computer Science*, **2019**, 151, 353-360	1.6	7
75	Agent-based simulation of unmanned aerial vehicles in civilian applications: A systematic literature review and research directions. *Future Generation Computer Systems*, **2019**, 100, 344-364	7.5	24
74	A two-stage road traffic congestion prediction and resource dispatching toward a self-organizing traffic control system. *Personal and Ubiquitous Computing*, **2019**, 23, 909-920	2.1	9
73	Investigation of the impact of a wireless Fog Warning System with respect to road traffic on a highway. *Personal and Ubiquitous Computing*, **2019**, 23, 893-899	2.1	4
72	Last-mile travel and bicycle sharing system in small/medium sized cities: users preferences investigation using hybrid choice model. *Journal of Ambient Intelligence and Humanized Computing*, **2019**, 10, 4721-4731	3.7	11
71	Cloud Acknowledgment Scheme for a Node Network. *Procedia Computer Science*, **2019**, 155, 369-377	1.6	2
70	Special issue on ambient systems, networks and technologies. *Personal and Ubiquitous Computing*, **2019**, 23, 627-631	2.1	
69	Modeling Process of a Third Dimension Universe for Transportation Simulation: Application to Railway System. *IEEE Intelligent Transportation Systems Magazine*, **2019**, 11, 137-156	2.6	1
68	Special Section on Modeling & Simulation of Application Scenarios for Autonomous Vehicles [Guest Editorial]. *IEEE Intelligent Transportation Systems Magazine*, **2019**, 11, 109-171	2.6	
67	BTEM: Belief based trust evaluation mechanism for Wireless Sensor Networks. *Future Generation Computer Systems*, **2019**, 96, 605-616	7.5	28
66	EATDDS: Energy-aware middleware for wireless sensor and actuator networks. *Future Generation Computer Systems*, **2019**, 96, 196-206	7.5	5
65	The COVCRAV project: Architecture and design of a cooperative V2V crash avoidance system. *Procedia Computer Science*, **2019**, 160, 473-478	1.6	1
64	QUALITY OF SERVICE OPTIMIZATION IN AN IOT-DRIVEN INTELLIGENT TRANSPORTATION SYSTEM. *IEEE Wireless Communications*, **2019**, 26, 10-17	13.4	52
63	Estimating pro-environmental potential for the development of mobility-based informational intervention: a data-driven algorithm. *Personal and Ubiquitous Computing*, **2019**, 23, 653-668	2.1	2
62	ECASS: an encryption compression aggregation security scheme for secure data transmission in ambient assisted living systems. *Personal and Ubiquitous Computing*, **2019**, 23, 793-799	2.1	6
61	Agent-based Dynamic Rescheduling of Daily Activities. *Procedia Computer Science*, **2018**, 130, 979-984	1.6	4
60	Unmanned Aerial Vehicle-based Traffic Analysis: A Case Study to Analyze Traffic Streams at Urban Roundabouts. *Procedia Computer Science*, **2018**, 130, 636-643	1.6	15

59	Pro-Environmental Potential in Activity-Travel Routine of Individuals: A Data Driven Computational Algorithm. *Procedia Computer Science*, **2018**, 130, 541-548	1.6	3
58	Passenger Safety in Ride-Sharing Services. *Procedia Computer Science*, **2018**, 130, 1044-1050	1.6	30
57	Artificial Neural Network Model to relate Organization Characteristics and Construction Project Delivery Methods. *Procedia Computer Science*, **2018**, 134, 59-66	1.6	4
56	Air Quality Based Informational Intervention Framework To Promote Healthy And Active School Travel. *Procedia Computer Science*, **2018**, 141, 382-389	1.6	1
55	Estimating meteorological visibility range under foggy weather conditions: A deep learning approach. *Procedia Computer Science*, **2018**, 141, 478-483	1.6	11
54	**2018**,		8
53	A new traffic route analyzer for commuters guidance in developing countries: application study in Islamabad, Pakistan. *Journal of Ambient Intelligence and Humanized Computing*, **2017**, 8, 395-404	3.7	0
52	From competitive sensor redundancy to competitive service redundancy in a Smart City context. *Personal and Ubiquitous Computing*, **2017**, 21, 1079-1096	2.1	
51	Modeling Demand Responsive Transport using SARL and MATSim. *Procedia Computer Science*, **2017**, 109, 1074-1079	1.6	9
50	Towards Agent Based Modeling for Mobility Behavior Shift. *Procedia Computer Science*, **2017**, 109, 949-954	1.6	
49	GTFS Bus Stop Mapping to the OSM Network. *Procedia Computer Science*, **2017**, 109, 50-58	1.6	2
48	Helping the Performance Evaluation of an Agent Run-time Framework: the SARL Experience Index. *Procedia Computer Science*, **2017**, 110, 159-166	1.6	
47	End-user perspective of low-cost sensors for outdoor air pollution monitoring. *Science of the Total Environment*, **2017**, 607-608, 691-705	10.2	213
46	Modeling value of time for trip chains using sigmoid utility. *Personal and Ubiquitous Computing*, **2017**, 21, 1041-1053	2.1	
45	ConVeh: Driving Safely into a Connected Future. *Procedia Computer Science*, **2017**, 113, 460-465	1.6	1
44	A Neural network approach to visibility range estimation under foggy weather conditions. *Procedia Computer Science*, **2017**, 113, 466-471	1.6	23
43	Demand for Agent-Based Transportation Models & Social Behavioral Challenges. *Procedia Computer Science*, **2017**, 113, 210-216	1.6	3
42	Addressing the Challenges of Conservative Event Synchronization for the SARL Agent-Programming Language. *Lecture Notes in Computer Science*, **2017**, 31-42	0.9	1

41	Estimating Incoming Cross-border Trips Through Land Use data Resources A Case of Karachi City. *Procedia Computer Science*, **2016**, 83, 270-277	1.6	
40	Modelling Value of Time for Trip Chains in Daily Schedules. *Procedia Computer Science*, **2016**, 83, 615-620	1.6	
39	Organizational-based model and agent-based simulation for long-term carpooling. *Future Generation Computer Systems*, **2016**, 64, 125-139	7.5	9
38	Negotiation and Coordination in Carpooling: Agent-Based Simulation Model. *Transportation Research Record*, **2016**, 2542, 92-101	1.7	6
37	Data Preparation to Simulate Public Transport in Micro-Simulations Using OSM and GTFS. *Procedia Computer Science*, **2016**, 83, 50-57	1.6	3
36	Estimation of Value of Time for a Congested Network A Case Study of the National Highway, Karachi. *Procedia Computer Science*, **2016**, 83, 262-269	1.6	1
35	A coordinated Framework for Optimized Charging of EV Fleet in Smart Grid. *Procedia Computer Science*, **2016**, 94, 332-339	1.6	17
34	Lateral Control of an Unmaned Car Using GNSS Positionning in the Context of Connected Vehicles. *Procedia Computer Science*, **2016**, 98, 148-155	1.6	3
33	An Agent Based Simulated Goods Exchange Market; A Prerequisite For Freight Transport Modeling. *Procedia Computer Science*, **2015**, 52, 622-629	1.6	5
32	Estimating Nonlinear Parameters Present in OFDM-based System Using Non-linear Least Squares. *Procedia Computer Science*, **2015**, 63, 128-134	1.6	
31	Relationship Between Spatio-temporal Electricity Cost Variability and E-mobility. *Procedia Computer Science*, **2015**, 52, 772-779	1.6	
30	Mobile Sensor Networks Applications and Confidentiality. *Mobile Information Systems*, **2015**, 2015, 1-2	1.4	1
29	Agent-based Simulation Model for Long-term Carpooling: Effect of Activity Planning Constraints. *Procedia Computer Science*, **2015**, 52, 412-419	1.6	13
28	Scalability issues in optimal assignment for carpooling. *Journal of Computer and System Sciences*, **2015**, 81, 568-584	1	8
27	Agent-Based Modeling for Carpooling **2015**, 662-688		
26	Multi-agent simulation of individual mobility behavior in carpooling. *Transportation Research Part C: Emerging Technologies*, **2014**, 45, 83-98	8.4	62
25	Towards Delay-sensitive Routing in Underwater Wireless Sensor Networks. *Procedia Computer Science*, **2014**, 37, 228-235	1.6	20
24	Analyzing the Real Time Factors: Which Causing the Traffic Congestions and Proposing the Solution for Pakistani City. *Procedia Computer Science*, **2014**, 32, 413-420	1.6	2

23	Theory and Practice in Large Carpooling Problems. *Procedia Computer Science*, **2014**, 32, 339-347	1.6	20
22	Analyzing the efficiency of context-based grouping on collaboration in VANETs with large-scale simulation. *Journal of Ambient Intelligence and Humanized Computing*, **2014**, 5, 475-490	3.7	11
21	Organizational and Agent-based Automated Negotiation Model for Carpooling. *Procedia Computer Science*, **2014**, 37, 396-403	1.6	5
20	Hop Adjusted Multi-chain Routing for Energy Efficiency in Wireless Sensor Networks. *Procedia Computer Science*, **2014**, 37, 236-243	1.6	1
19	Exploiting graph-theoretic tools for matching in carpooling applications. *Journal of Ambient Intelligence and Humanized Computing*, **2014**, 5, 393-407	3.7	16
18	Agent-Based Modeling for Carpooling. *Advances in Data Mining and Database Management Book Series*, **2014**, 232-258	0.6	
17	Simulation Model of Carpooling with the Janus Multiagent Platform. *Procedia Computer Science*, **2013**, 19, 860-866	1.6	12
16	A Micro Simulated and Demand Driven Supply Chain Model To Calculate Regional Production and Consumption Matrices. *Procedia Computer Science*, **2013**, 19, 404-411	1.6	1
15	An Activity-based Carpooling Microsimulation Using Ontology. *Procedia Computer Science*, **2013**, 19, 48-55	1.6	8
14	Estimating Scalability Issues While Finding an Optimal Assignment for Carpooling. *Procedia Computer Science*, **2013**, 19, 372-379	1.6	14
13	An Agent-Based Model to Evaluate Carpooling at Large Manufacturing Plants. *Procedia Computer Science*, **2012**, 10, 1221-1227	1.6	20
12	Analysis of the Co-routing Problem in Agent-based Carpooling Simulation. *Procedia Computer Science*, **2012**, 10, 821-826	1.6	15
11	A Conceptual Design of an Agent-based Interaction Model for the Carpooling Application. *Procedia Computer Science*, **2012**, 10, 801-807	1.6	22
10	Exploiting Graph-theoretic Tools for Matching and Partitioning of Agent Population in an Agent-based Model for Traffic and Transportation Applications. *Procedia Computer Science*, **2012**, 10, 833-839	1.6	
9	Teamwork on the Road: Efficient Collaboration in VANETs with Context-based Grouping. *Procedia Computer Science*, **2011**, 5, 48-57	1.6	5
8	Evaluation framework for adaptive context-aware routing in large scale mobile peer-to-peer systems. *Peer-to-Peer Networking and Applications*, **2011**, 4, 37-49	3.1	3
7	When efficiency matters: Towards quality of context-aware peers for adaptive communication in VANETs **2011**,		10
6	Where people and cars meet **2010**,		11

5	Optimizing information dissemination in large scale mobile peer-to-peer networks using context-based grouping **2010**,		10
4	Geo-Social Interaction: Context-Aware Help in Large Scale Public Spaces. *Lecture Notes in Computer Science*, **2010**, 107-116	0.9	1
3	Adaptive context mediation in dynamic and large scale vehicular networks using relevance backpropagation **2008**,		5
2	Best practices for software security: An overview **2008**,		9
1	Enhancing experience prototyping by the help of mixed-fidelity prototypes **2007**,		7