Hari Prabhat Gupta

List of Publications by Year
in descending order

		516710	477307
69 papers	1,031 citations	16 h-index	29 g-index
74 all docs	74 docs citations	74 times ranked	1011 citing authors

#	Article	IF	Citations
1	A Continuous Hand Gestures Recognition Technique for Human-Machine Interaction Using Accelerometer and Gyroscope Sensors. IEEE Sensors Journal, 2016, 16, 6425-6432.	4.7	131
2	Coverage and Connectivity in WSNs: A Survey, Research Issues and Challenges. IEEE Access, 2018, 6, 26971-26992.	4.2	111
3	A robust watermarking framework for High Efficiency Video Coding (HEVC) â€" Encoded video with blind extraction process. Journal of Visual Communication and Image Representation, 2016, 38, 29-44.	2.8	45
4	Geographic Routing in Clustered Wireless Sensor Networks Among Obstacles. IEEE Sensors Journal, 2015, 15, 2984-2992.	4.7	44
5	Challenges and solutions in Software Defined Networking: A survey. Journal of Network and Computer Applications, 2019, 141, 23-58.	9.1	43
6	Approaches and Applications of Early Classification of Time Series: A Review. IEEE Transactions on Artificial Intelligence, 2020, 1, 47-61.	4.7	40
7	Regular Node Deployment for <inline-formula> <tex-math notation="LaTeX">k </tex-math></inline-formula>-Coverage in <inline-formula> <tex-math notation="LaTeX">m </tex-math></inline-formula>-Connected Wireless Networks. IEEE Sensors Journal, 2015, 15, 7126-7134.	4.7	36
8	Analysis of Stochastic <inline-formula> <tex-math notation="LaTeX">k</tex-math></inline-formula>-Coverage and Connectivity in Sensor Networks With Boundary Deployment. IEEE Transactions on Intelligent Transportation Systems, 2015, 16, 1861-1871.	8.0	29
9	An Efficient Framework for Compressed Domain Watermarking in P Frames of High-Efficiency Video Coding (HEVC)--Encoded Video. ACM Transactions on Multimedia Computing, Communications and Applications, 2017, 13, 1-24.	4.3	29
10	Sleep Scheduling Protocol for k-Coverage of Three-Dimensional Heterogeneous WSNs. IEEE Transactions on Vehicular Technology, 2016, 65, 8423-8431.	6.3	28
11	An Early Classification Approach for Multivariate Time Series of On-Vehicle Sensors in Transportation. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 5316-5327.	8.0	26
12	A mesh network for mobile devices using Bluetooth low energy. , 2015, , .		25
13	Demand-Based Coverage and Connectivity-Preserving Routing in Wireless Sensor Networks. IEEE Systems Journal, 2016, 10, 1380-1389.	4.6	25
14	Analysis of stochastic coverage and connectivity in three-dimensional heterogeneous directional wireless sensor networks. Pervasive and Mobile Computing, 2016, 29, 38-56.	3.3	24
15	Sleep scheduling for partial coverage in heterogeneous wireless sensor networks. , 2013, , .		20
16	Analysis of Coverage Under Border Effects in Three-Dimensional Mobile Sensor Networks. IEEE Transactions on Mobile Computing, 2017, 16, 2436-2449.	5.8	20
17	Leveraging Smart Devices for Automatic Mood-Transferring in Real-Time Oil Painting. IEEE Transactions on Industrial Electronics, 2017, 64, 1581-1588.	7.9	20
18	Energy Efficient Data Forwarding Scheme in Fog-Based Ubiquitous System With Deadline Constraints. IEEE Transactions on Network and Service Management, 2020, 17, 213-226.	4.9	17

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19	Critical Sensor Density for Partial Coverage under Border Effects in Wireless Sensor Networks. IEEE Transactions on Wireless Communications, 2014, 13, 2374-2382.	9.2	16
20	A Fast Cattle Recognition System using Smart devices. , 2016, , .		16
21	A Fault-Tolerant Early Classification Approach for Human Activities Using Multivariate Time Series. IEEE Transactions on Mobile Computing, 2021, 20, 1747-1760.	5.8	16
22	A Road Health Monitoring System Using Sensors in Optimal Deep Neural Network. IEEE Sensors Journal, 2021, 21, 15527-15534.	4.7	13
23	An Unseen Fault Classification Approach for Smart Appliances Using Ongoing Multivariate Time Series. IEEE Transactions on Industrial Informatics, 2021, 17, 3731-3738.	11.3	13
24	YogaHelp: Leveraging Motion Sensors for Learning Correct Execution of Yoga With Feedback. IEEE Transactions on Artificial Intelligence, 2021, 2, 362-371.	4.7	13
25	Cluttered TextSpotter: An End-to-End Trainable Light-Weight Scene Text Spotter for Cluttered Environment. IEEE Access, 2020, 8, 111433-111447.	4.2	12
26	A Real-time Precision Agriculture Monitoring System using Mobile Sink in WSNs. , 2018, , .		11
27	A Sensors Based Deep Learning Model for Unseen Locomotion Mode Identification using Multiple Semantic Matrices. IEEE Transactions on Mobile Computing, 2022, 21, 799-810.	5.8	11
28	A Divide-and-Conquer–based Early Classification Approach for Multivariate Time Series with Different Sampling Rate Components in IoT. ACM Transactions on Internet of Things, 2020, 1, 1-21.	4.6	11
29	Recurrent Global Convolutional Network for Scene Text Detection. , 2018, , .		10
30	An Incremental Learning Based Gesture Recognition System for Consumer Devices Using Edge-Fog Computing. IEEE Transactions on Consumer Electronics, 2020, 66, 51-60.	3.6	10
31	Analysis of the redundancy in coverage of a heterogeneous wireless sensor network. , 2013, , .		9
32	A Target Tracking System Using Directional Nodes in Wireless Sensor Networks. IEEE Systems Journal, 2019, 13, 1618-1627.	4.6	9
33	Sensor Signals-Based Early Dementia Detection System Using Travel Pattern Classification. IEEE Sensors Journal, 2020, 20, 14474-14481.	4.7	9
34	An Efficient System for Hazy Scene Text Detection using a Deep CNN and Patch-NMS. , 2018, , .		8
35	An Incentive Mechanism-Based Stackelberg Game for Scheduling of LoRa Spreading Factors. IEEE Transactions on Network and Service Management, 2020, 17, 2598-2609.	4.9	8
36	Estimation of Time Duration for Using the Allocated LoRa Spreading Factor: A Game-Theory Approach. IEEE Transactions on Vehicular Technology, 2020, 69, 11090-11098.	6.3	7

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37	An Energy-Efficient River Water Pollution Monitoring System in Internet of Things. IEEE Transactions on Green Communications and Networking, 2021, 5, 693-702.	5.5	7
38	Met-MLTS: Leveraging Smartphones for End-to-End Spotting of Multilingual Oriented Scene Texts and Traffic Signs in Adverse Meteorological Conditions. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 12801-12810.	8.0	7
39	Text preserving animation generation using smart device. , 2017, , .		6
40	Fog based energy efficient ubiquitous systems. , 2018, , .		6
41	Game Theory based Early Classification of Rivers using Time Series Data. , 2019, , .		6
42	Leveraging Smart Devices for Scene Text Preserved Image Stylization: A Deep Gaming Approach. IEEE MultiMedia, 2020, 27, 19-32.	1.7	6
43	A Bayesian Game Based Approach for Associating the Nodes to the Gateway in LoRa Network. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 4583-4592.	8.0	6
44	Analysis, Modeling, and Representation of COVID-19 Spread: A Case Study on India. IEEE Transactions on Computational Social Systems, 2021, 8, 964-973.	4.4	6
45	Fast text detection from single hazy image using smart device. , 2017, , .		5
46	A Writing Activities Monitoring System for Preschoolers Using a Layered Computing Infrastructure. IEEE Sensors Journal, 2020, 20, 3871-3878.	4.7	5
47	A Stackelberg Game based River Water Pollution Monitoring System using LoRa Technology. , 2019, , .		4
48	FactorNet: Holistic Actor, Object, and Scene Factorization for Action Recognition in Videos. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 976-991.	8.3	4
49	S-Pencil: A Smart Pencil Grip Monitoring System for Kids Using Sensors. , 2017, , .		3
50	A Minimum Cost Real-Time Ubiquitous Computing System Using Edge-Fog-Cloud. , 2018, , .		3
51	A Knowledge Distillation-based Transportation System for Sensory data sharing using LoRa. IEEE Sensors Journal, 2020, , 1-1.	4.7	3
52	Real Testbed for Autonomous Anomaly Detection in Power Grid Using Low-Cost Unmanned Aerial Vehicles and Aerial Imaging. IEEE MultiMedia, 2021, 28, 63-74.	1.7	3
53	DBET: Demand Based Energy Efficient Topology for MANETs. , 2011, , .		2
54	A supervised approach towards network control system modelling. , 2017, , .		2

#	Article	IF	Citations
55	An Adaptive Power level Allocation Model in LoRa for Internet of Things. , 2019, , .		2
56	Early Classification Approach for Multivariate Time Series using Sensors of Different Sampling Rate. , 2019, , .		2
57	Towards Identifying Internet Applications Using Early Classification of Traffic Flow. , 2021, , .		2
58	An Efficient Reversible Digital Oil Painting Technique for Smartphone and Tablet Users. IEEE Transactions on Industrial Electronics, 2022, 69, 6420-6428.	7.9	2
59	Robust Reversible Watermarking for Grayscale Medical Images. Lecture Notes in Networks and Systems, 2020, , 613-622.	0.7	2
60	Analysis of stochastic k-coverage in wireless sensor networks with boundary deployment. , 2014, , .		1
61	A mathematical equation solving system using accelerometer sensor. , 2018, , .		1
62	Supervised Attention Network for Arbitrary-Shaped Text Detection in Edge-Fainted Noisy Scene Images. IEEE Transactions on Computational Social Systems, 2022, , 1-10.	4.4	1
63	A fast identity-independent expression recognition system for robust cartoonification using smart devices. , 2016, , .		0
64	A Supervised Approach-based Job Scheduling Technique for Distributed Real-Time Systems. , 2018, , .		0
65	A lightweight Compression-based Energy-Efficient Smart Metering System in Long-Range Network. , 2021, , .		0
66	Guest Editorial Special Issue on Smart Sensing for Agriculture. IEEE Sensors Journal, 2021, 21, 17419-17419.	4.7	0
67	Erratum to â€œLeveraging Smart Devices for Scene Text Preserved Image Stylization: A Deep Gaming Approachâ€. IEEE MultiMedia, 2020, 27, 99-99.	1.7	0
68	Minimizing Synchronization Error in Compressed Domain Watermarking. Lecture Notes in Networks and Systems, 2020, , 591-600.	0.7	0
69	Impact of Network Load for Anomaly Detection in Software-Defined Networking. Lecture Notes in Networks and Systems, 2020, , 127-134.	0.7	0