

# Hari Prabhat Gupta

## List of Publications by Year in descending order

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69  
papers

1,031  
citations

516710

16  
h-index

477307

29  
g-index

74  
all docs

74  
docs citations

74  
times ranked

1011  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	An Efficient Reversible Digital Oil Painting Technique for Smartphone and Tablet Users. IEEE Transactions on Industrial Electronics, 2022, 69, 6420-6428.	7.9	2
5	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
6	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
7	A Road Health Monitoring System Using Sensors in Optimal Deep Neural Network. IEEE Sensors Journal, 2021, 21, 15527-15534.	4.7	13
8	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
9	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
10	YogaHelp: Leveraging Motion Sensors for Learning Correct Execution of Yoga With Feedback. IEEE Transactions on Artificial Intelligence, 2021, 2, 362-371.	4.7	13
11	A lightweight Compression-based Energy-Efficient Smart Metering System in Long-Range Network. , 2021, , .		0
12	Towards Identifying Internet Applications Using Early Classification of Traffic Flow. , 2021, , .		2
13	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
14	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
15	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
16	Guest Editorial Special Issue on Smart Sensing for Agriculture. IEEE Sensors Journal, 2021, 21, 17419-17419.	4.7	0
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	Approaches and Applications of Early Classification of Time Series: A Review. IEEE Transactions on Artificial Intelligence, 2020, 1, 47-61.	4.7	40
20	Sensor Signals-Based Early Dementia Detection System Using Travel Pattern Classification. IEEE Sensors Journal, 2020, 20, 14474-14481.	4.7	9
21	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
22	A Knowledge Distillation-based Transportation System for Sensory data sharing using LoRa. IEEE Sensors Journal, 2020, , 1-1.	4.7	3
23	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
24	Leveraging Smart Devices for Scene Text Preserved Image Stylization: A Deep Gaming Approach. IEEE MultiMedia, 2020, 27, 19-32.	1.7	6
25	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
26	Cluttered TextSpotter: An End-to-End Trainable Light-Weight Scene Text Spotter for Cluttered Environment. IEEE Access, 2020, 8, 111433-111447.	4.2	12
27	A Writing Activities Monitoring System for Preschoolers Using a Layered Computing Infrastructure. IEEE Sensors Journal, 2020, 20, 3871-3878.	4.7	5
28	Robust Reversible Watermarking for Grayscale Medical Images. Lecture Notes in Networks and Systems, 2020, , 613-622.	0.7	2
29	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
30	Erratum to "Leveraging Smart Devices for Scene Text Preserved Image Stylization: A Deep Gaming Approach". IEEE MultiMedia, 2020, 27, 99-99.	1.7	0
31	Minimizing Synchronization Error in Compressed Domain Watermarking. Lecture Notes in Networks and Systems, 2020, , 591-600.	0.7	0
32	Impact of Network Load for Anomaly Detection in Software-Defined Networking. Lecture Notes in Networks and Systems, 2020, , 127-134.	0.7	0
33	Game Theory based Early Classification of Rivers using Time Series Data. , 2019, , .		6
34	An Adaptive Power level Allocation Model in LoRa for Internet of Things. , 2019, , .		2
35	A Stackelberg Game based River Water Pollution Monitoring System using LoRa Technology. , 2019, , .		4
36	Challenges and solutions in Software Defined Networking: A survey. Journal of Network and Computer Applications, 2019, 141, 23-58.	9.1	43

#	ARTICLE	IF	CITATIONS
37	Early Classification Approach for Multivariate Time Series using Sensors of Different Sampling Rate. , 2019, , .		2
38	A Target Tracking System Using Directional Nodes in Wireless Sensor Networks. IEEE Systems Journal, 2019, 13, 1618-1627.	4.6	9
39	A mathematical equation solving system using accelerometer sensor. , 2018, , .		1
40	Fog based energy efficient ubiquitous systems. , 2018, , .		6
41	A Real-time Precision Agriculture Monitoring System using Mobile Sink in WSNs. , 2018, , .		11
42	A Minimum Cost Real-Time Ubiquitous Computing System Using Edge-Fog-Cloud. , 2018, , .		3
43	A Supervised Approach-based Job Scheduling Technique for Distributed Real-Time Systems. , 2018, , .		0
44	An Efficient System for Hazy Scene Text Detection using a Deep CNN and Patch-NMS. , 2018, , .		8
45	Recurrent Global Convolutional Network for Scene Text Detection. , 2018, , .		10
46	Coverage and Connectivity in WSNs: A Survey, Research Issues and Challenges. IEEE Access, 2018, 6, 26971-26992.	4.2	111
47	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
48	Analysis of Coverage Under Border Effects in Three-Dimensional Mobile Sensor Networks. IEEE Transactions on Mobile Computing, 2017, 16, 2436-2449.	5.8	20
49	Leveraging Smart Devices for Automatic Mood-Transferring in Real-Time Oil Painting. IEEE Transactions on Industrial Electronics, 2017, 64, 1581-1588.	7.9	20
50	Fast text detection from single hazy image using smart device. , 2017, , .		5
51	A supervised approach towards network control system modelling. , 2017, , .		2
52	Text preserving animation generation using smart device. , 2017, , .		6
53	S-Pencil: A Smart Pencil Grip Monitoring System for Kids Using Sensors. , 2017, , .		3
54	Demand-Based Coverage and Connectivity-Preserving Routing in Wireless Sensor Networks. IEEE Systems Journal, 2016, 10, 1380-1389.	4.6	25

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55	A Fast Cattle Recognition System using Smart devices. , 2016, , .		16
56	A fast identity-independent expression recognition system for robust cartoonification using smart devices. , 2016, , .		0
57	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
58	Sleep Scheduling Protocol for $k$ -Coverage of Three-Dimensional Heterogeneous WSNs. IEEE Transactions on Vehicular Technology, 2016, 65, 8423-8431.	6.3	28
59	A robust watermarking framework for High Efficiency Video Coding (HEVC) – Encoded video with blind extraction process. Journal of Visual Communication and Image Representation, 2016, 38, 29-44.	2.8	45
60	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
61	A mesh network for mobile devices using Bluetooth low energy. , 2015, , .		25
62	Geographic Routing in Clustered Wireless Sensor Networks Among Obstacles. IEEE Sensors Journal, 2015, 15, 2984-2992.	4.7	44
63	Regular Node Deployment for $k$ -Coverage in $m$ -Connected Wireless Networks. IEEE Sensors Journal, 2015, 15, 7126-7134.	4.7	36
64	Analysis of Stochastic $k$ -Coverage and Connectivity in Sensor Networks With Boundary Deployment. IEEE Transactions on Intelligent Transportation Systems, 2015, 16, 1861-1871.	8.0	29
65	Analysis of stochastic $k$ -coverage in wireless sensor networks with boundary deployment. , 2014, , .		1
66	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
67	Analysis of the redundancy in coverage of a heterogeneous wireless sensor network. , 2013, , .		9
68	Sleep scheduling for partial coverage in heterogeneous wireless sensor networks. , 2013, , .		20
69	DBET: Demand Based Energy Efficient Topology for MANETs. , 2011, , .		2