

# Go Hasegawa

## List of Publications by Year in descending order

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111  
papers

382  
citations

1307594

7  
h-index

1372567

10  
g-index

111  
all docs

111  
docs citations

111  
times ranked

275  
citing authors

#	ARTICLE	IF	CITATIONS
1	Routing Method for Gateway Load Balancing in Wireless Mesh Networks. , 2009, , .		21
2	Tandem Equipment Arranged Architecture with Exhaust Heat Reuse System for Software-Defined Data Center Infrastructure. IEEE Transactions on Cloud Computing, 2017, 5, 182-192.	4.4	17
3	ImTCP: TCP with an inline measurement mechanism for available bandwidth. Computer Communications, 2006, 29, 1614-1626.	5.1	13
4	A New Method of Proactive Recovery Mechanism for Large-Scale Network Failures. , 2009, , .		12
5	An analysis of energy consumption for TCP data transfer with burst transmission over a wireless LAN. International Journal of Communication Systems, 2015, 28, 1965-1986.	2.5	12
6	Reducing Power Consumption in Data Center by Predicting Temperature Distribution and Air Conditioner Efficiency with Machine Learning. , 2016, , .		12
7	Self-organizing Transmission Scheduling Considering Collision Avoidance for Data Gathering in Wireless Sensor Networks. Journal of Communications, 2013, 8, 389-397.	1.6	12
8	TCP symbiosis. , 2006, , .		11
9	Background TCP data transfer with Inline network measurement. , 0, , .		9
10	Simulation studies on router buffer sizing for short-lived and pacing TCP flows. Computer Communications, 2008, 31, 3789-3798.	5.1	9
11	Impact of workload assignment on power consumption in software-defined data center infrastructure. , 2014, , .		9
12	Implementation and evaluation of an inline network measurement algorithm and its application to TCP-based service. , 0, , .		8
13	Inferring Available Bandwidth of Overlay Network Paths Based on Inline Network Measurement. , 2007, , .		8
14	Time Slot Assignment Algorithms in IEEE 802.16 Multi-hop Relay Networks. , 2010, , .		8
15	Decentralized boolean network tomography based on network partitioning. , 2016, , .		8
16	"Free-riding" traffic problem in routing overlay networks. , 2007, , .		7
17	Emergency Communication Services Based on Overlay Networking Technologies. , 2008, , .		7
18	A Transport-Layer Solution for Alleviating TCP Unfairness in a Wireless LAN Environment. IEICE Transactions on Communications, 2011, E94-B, 765-776.	0.7	7

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19	Temperature Distribution Prediction in Data Centers for Decreasing Power Consumption by Machine Learning. , 2015, , .		7
20	Analyzing Effect of Edge Computing on Reduction of Web Response Time. , 2016, , .		7
21	Cloud bursting approach based on predicting requests for business-critical web systems. , 2017, , .		7
22	Design and performance evaluation of bearer aggregation method in mobile core network with C/U plane separation. , 2017, , .		7
23	Effects of C/U Plane Separation and Bearer Aggregation in Mobile Core Network. IEEE Transactions on Network and Service Management, 2018, 15, 611-624.	4.9	7
24	ICIM: An Inline Network Measurement Mechanism for Highspeed Networks. , 0, , .		6
25	Determining Coverage Area Using Voronoi Diagram Based on Local Information for Wireless Mesh Networks. , 2012, , .		6
26	A network model for prediction of temperature distribution in data centers. , 2015, , .		6
27	Performance evaluation of HTTP/TCP on asymmetric networks. International Journal of Communication Systems, 1999, 12, 281-296.	2.5	5
28	Effectiveness of overlay routing based on delay and bandwidth information. , 2007, , .		5
29	Non Bandwidth-intrusive Video Streaming over TCP. , 2011, , .		5
30	Energy efficiency analysis of TCP with burst transmission over a wireless LAN. , 2011, , .		5
31	Performance evaluation of a tunnel sharing method for accommodating M2M communication to mobile cellular networks. , 2013, , .		5
32	Pedestrian counting with grid-based binary sensors based on Monte Carlo method. SpringerPlus, 2014, 3, 299.	1.2	5
33	Priority control based on website categories in edge computing. , 2016, , .		5
34	A New Congestion Control Mechanism of TCP with Inline Network Measurement. Lecture Notes in Computer Science, 2005, , 109-121.	1.3	5
35	Load-Balanced and Interference-Aware Spanning Tree Construction Algorithm for TDMA-Based Wireless Mesh Networks. IEICE Transactions on Communications, 2010, E93-B, 99-110.	0.7	5
36	Effectiveness of Overlay Routing Based on Delay and Bandwidth Information. IEICE Transactions on Communications, 2009, E92-B, 1222-1232.	0.7	5

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37	Scalable and Density-Aware Measurement Strategies for Overlay Networks. , 2009, , .		4
38	Performance evaluation of a method to reduce inter-ISP transit cost caused by overlay routing. , 2010, , .		4
39	Time slot-adding algorithm for improving bottleneck link throughput in IEEE 802.16j relay networks. , 2013, , .		4
40	Cooperative cache sharing among ISPs for reducing inter-ISP transit cost in content-centric networking. , 2014, , .		4
41	Investigating structure of modern web traffic. , 2015, , .		4
42	Implementation Experiments of the TCP Proxy Mechanism. , 2005, , .		3
43	An inline measurement method for capacity of end-to-end network path. , 0, , .		3
44	TCP-based window-size delegation method for TXOP Exchange in wireless local area networks. Eurasip Journal on Wireless Communications and Networking, 2011, 2011, .	2.4	3
45	Modeling and Analysis of Power Consumption in TCP Data Transmission over a Wireless LAN Environment. , 2011, , .		3
46	A Low-Cost, Distributed and Conflict-Aware Measurement Method for Overlay Network Services Utilizing Local Information Exchange. IEICE Transactions on Communications, 2013, E96.B, 459-469.	0.7	3
47	Virtual Network Allocation for Fault Tolerance Balanced with Physical Resources Consumption in a Multi-Tenant Data Center. IEICE Transactions on Communications, 2015, E98.B, 2121-2131.	0.7	3
48	Performance analysis and improvement of highspeed TCP with taildrop/RED routers. , 0, , .		2
49	Inline bandwidth measurements: Implementation difficulties and their solutions. , 2007, , .		2
50	Performance Evaluation and Improvement of Hybrid TCP Congestion Control Mechanisms in Wireless LAN Environment. , 2008, , .		2
51	Inline bandwidth measurement techniques for gigabit networks. International Journal of Internet Protocol Technology, 2008, 3, 81.	0.2	2
52	Evaluation of Free-Riding Traffic Problem in Overlay Routing and Its Mitigation Method. IEICE Transactions on Communications, 2009, E92-B, 3774-3783.	0.7	2
53	Proactive recovery method against multiple network failures with overlay networking technique. , 2010, , .		2
54	An Object Tracking Method based on Scenario-Type Hypothesis Tracking in Segmented Multiple Regions. , 2010, , .		2

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55	A distributed measurement method for reducing measurement conflict frequency in overlay networks. , 2011, , .		2
56	Virtual Network Allocation for Fault Tolerance with Bandwidth Efficiency in a Multi-tenant Data Center. , 2014, , .		2
57	End-to-End Measurement of Hop-by-Hop Available Bandwidth. , 2014, , .		2
58	Multiple regression analysis of IEEE 802.16j relay network throughput. , 2014, , .		2
59	Joint Bearer Aggregation and Control-Data Plane Separation in LTE EPC for Increasing M2M Communication Capacity. , 2014, , .		2
60	Web performance acceleration by caching rendering results. , 2015, , .		2
61	SCTP Tunneling: Flow Aggregation and Burst Transmission to Save Energy for Multiple TCP Flows over a WLAN. IEICE Transactions on Communications, 2013, E96.B, 2615-2624.	0.7	2
62	Scalable resource management for high-performance Web servers. International Journal of Communication Systems, 2004, 17, 389-406.	2.5	1
63	A study on a receiver-based management scheme of access link resources for QoS-controllable TCP connections. International Journal of Communication Systems, 2006, 19, 751-773.	2.5	1
64	Sizing Router Buffers for Large-Scale TCP/IP Networks. , 2007, , .		1
65	A Report of Campus-Wide IT Authentication Platform System Development in Osaka University. , 2007, , .		1
66	Protection Mechanisms for Well-behaved TCP Flows from Tampered-TCP at Edge Routers. , 2007, , .		1
67	Degree-Based Power Control Method for Increasing Spatial Reuse in TDMA-Based Wireless Mesh Networks. , 2009, , .		1
68	A transport layer approach for improving interactive user experience on thin clients. , 2009, , .		1
69	Evaluation of Free-Riding Traffic Problem in Overlay Routing and Its Mitigation Method. , 2009, , .		1
70	Improving Coverage Area Quality Using Physical Topology Information in IEEE 802.16 Mesh Networks. , 2009, , .		1
71	Proactive recovery from multiple failures utilizing overlay networking technique. Telecommunication Systems, 2011, 52, 1001.	2.5	1
72	Parameter Tuning of the Protocol Interference Model Using SINR for Time Slot Assignment in Wireless Mesh Networks. IEICE Transactions on Information and Systems, 2011, E94-D, 2191-2200.	0.7	1

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73	SHOT: Scenario-Type Hypothesis Object Tracking with Indoor Sensor Networks. IEICE Transactions on Information and Systems, 2011, E94-D, 1035-1044.	0.7	1
74	TCP Window-Size Delegation for TXOP Exchange in Wireless Access Networks. , 2011, , .		1
75	Monte Carlo-based Bi-directional pedestrian counting with compound-eye sensor. , 2012, , .		1
76	Centralized and distributed heuristic algorithms for application-level traffic routing. , 2012, , .		1
77	Effect of Radio Interference Models on the Performance of Time Slot Assignment Algorithms in IEEE 802.16j Relay Networks. , 2013, , .		1
78	The Implications of Overlay Routing for ISPs' Peering Strategies. IEICE Transactions on Information and Systems, 2013, E96.D, 1115-1124.	0.7	1
79	Large-scale ASP-based HEMS utilizing interactive web technologies. , 2015, , .		1
80	Temporal load balancing of time-driven machine type communications in mobile core networks. , 2015, , .		1
81	Energy-efficient information dissemination based on received signal strength in wireless sensor networks. , 2015, , .		1
82	Lightweight Boolean Network Tomography Based on Partition of Managed Networks. Journal of Network and Systems Management, 2018, 26, 284-313.	4.9	1
83	Multi-ISP Cooperative Cache Sharing for Saving Inter-ISP Transit Cost in Content Centric Networking. IEICE Transactions on Communications, 2015, E98.B, 621-629.	0.7	1
84	A Workload Assignment Policy for Reducing Power Consumption in Software-Defined Data Center Infrastructure. IEICE Transactions on Communications, 2016, E99.B, 347-355.	0.7	1
85	Experimental Evaluations of Gentle HighSpeed TCP for Long-Fat Networks. , 2005, , .		0
86	A Transport-layer Approach for Achieving Predictable Throughput for Internet Applications. , 2008, , .		0
87	On network traffic concentration and updating interval for proactive recovery method against large-scale network failures. , 2009, , .		0
88	Real-Time Estimation Method of the Number of Pedestrians in Video Sequences. , 2009, , .		0
89	A transport-layer approach for improving thin-client performance in a WAN environment. International Journal of Internet Protocol Technology, 2011, 6, 172.	0.2	0
90	A game-theoretic analysis of interaction between overlay routing and multihoming. , 2012, , .		0

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91	Evaluation and improvement of end-to-end bandwidth measurement method for power-saving routers. , 2012, , .		0
92	A distributed and conflict-aware measurement method based on local information exchange in overlay networks. , 2012, , .		0
93	Measuring available bandwidth of multiple parts on end-to-end network path. , 2012, , .		0
94	Self-organizing transmission scheduling mechanisms using a pulse-coupled oscillator model for wireless sensor networks. , 2012, , .		0
95	Effect of traffic locality on power consumption of distributed computing network with a data center. , 2012, , .		0
96	Monitoring available bandwidth in overlay networks using local information exchange. , 2013, , .		0
97	End-to-end bandwidth measurement method considering effects on power-saving routers. , 2013, , .		0
98	Exploiting SCTP Multistreaming to Reduce Energy Consumption of Multiple TCP Flows over a WLAN. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2013, , 102-111.	0.3	0
99	A Method to Reduce Inter-ISP Transit Cost Caused by Overlay Routing Based on End-to-End Network Measurement. IEICE Transactions on Information and Systems, 2013, E96.D, 289-302.	0.7	0
100	Experimental evaluation of SCTP tunneling for energy-efficient TCP data transfer over a WLAN. , 2014, , .		0
101	Comparative evaluation of heuristics for time slot assignment in IEEE 802.16j relay networks. , 2014, , .		0
102	Accuracy Improvement for Spatial Composition-Based End-to-End Network Measurement. , 2015, , .		0
103	Power Consumption Evaluation of Distributed Computing Network Considering Traffic Locality. IEICE Transactions on Communications, 2012, E95.B, 2538-2548.	0.7	0
104	Time Slot Assignment Algorithms to Upstream Links for Decreasing Transmission Latency in IEEE 802.16j Networks. IEICE Transactions on Communications, 2012, E95.B, 1793-1801.	0.7	0
105	TCP Symbiosis. , 2012, , 104-131.		0
106	Network Friendly Transmission Control for Progressive Download over TCP. Journal of Communications, 2012, 7, .	1.6	0
107	An Application-Level Routing Method with Transit Cost Reduction Based on a Distributed Heuristic Algorithm. IEICE Transactions on Communications, 2013, E96.B, 1481-1491.	0.7	0
108	A Routing Strategy for Multihomed ISP to Mitigate the Impact of Overlay Traffic. IEICE Transactions on Information and Systems, 2013, E96.D, 193-201.	0.7	0

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109	A Distributed Mechanism for Probing Overlay Path Bandwidth Using Local Information Exchange. IEICE Transactions on Communications, 2014, E97.B, 981-995.	0.7	0
110	An Interdomain Overlay Network Based on ISP Alliances for Economically Efficient Interdomain Traffic Routing. IEICE Transactions on Information and Systems, 2014, E97.D, 3163-3170.	0.7	0
111	Prediction-Based Cloud Bursting Approach and Its Impact on Total Cost for Business-Critical Web Systems. IEICE Transactions on Communications, 2017, E100.B, 2007-2016.	0.7	0