

# Iwao Sasase

## List of Publications by Year in descending order

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126  
papers

385  
citations

1478505

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h-index

1474206

9  
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126  
all docs

126  
docs citations

126  
times ranked

344  
citing authors

#	ARTICLE	IF	CITATIONS
1	Android Malware Detection Based on Composition Ratio of Permission Pairs. IEEE Access, 2021, 9, 130006-130019.	4.2	5
2	A Scheduling Scheme for Autonomous Vehicle Highway Merging With an Outflow Traffic and Fairness Analysis. IEEE Access, 2021, 9, 49219-49232.	4.2	3
3	An Energy-Efficient Defense against Message Flooding Attacks in Delay Tolerant Networks. IEICE Transactions on Communications, 2021, E104.B, 348-359.	0.7	1
4	Indoor Crowd Estimation Scheme Using the Number of Wi-Fi Probe Requests under MAC Address Randomization. IEICE Transactions on Information and Systems, 2021, E104.D, 1420-1426.	0.7	5
5	A Preprocessing by Using Multiple Steganography for Intentional Image Downsampling on CNN-Based Steganalysis. IEEE Access, 2020, 8, 195578-195593.	4.2	2
6	Traffic feature-based botnet detection scheme emphasizing the importance of long patterns. IEICE Communications Express, 2020, 9, 7-12.	0.4	1
7	Android Malware Detection Scheme Based on Level of SSL Server Certificate. IEICE Transactions on Information and Systems, 2020, E103.D, 379-389.	0.7	2
8	A Lightweight Detection Using Bloom Filter against Flooding DDoS Attack. IEICE Transactions on Information and Systems, 2020, E103.D, 2600-2610.	0.7	1
9	RPL-Based Tree Construction Scheme for Target-Specific Code Dissemination in Wireless Sensors Networks. IEICE Transactions on Communications, 2020, E103.B, 190-199.	0.7	1
10	A Server-Based Distributed Storage Using Secret Sharing with AES-256 for Lightweight Safety Restoration. IEICE Transactions on Information and Systems, 2020, E103.D, 1647-1659.	0.7	2
11	An Effective Feature Selection Scheme for Android ICC-Based Malware Detection Using the Gap of the Appearance Ratio. IEICE Transactions on Information and Systems, 2019, E102.D, 1136-1144.	0.7	0
12	A false density information attack detection scheme using overlap of communication range in VANET. IEICE Communications Express, 2019, 8, 135-140.	0.4	0
13	Android Malware Detection Scheme Based on Level of SSL Server Certificate. , 2019, , .		1
14	Hue Signature Auto Update System for Visual Similarity-Based Phishing Detection with Tolerance to Zero-Day Attack. IEICE Transactions on Information and Systems, 2019, E102.D, 2461-2471.	0.7	0
15	Low-Complexity Joint Antenna and User Selection Scheme for the Downlink Multiuser Massive MIMO System with Complexity Reduction Factors. IEICE Transactions on Communications, 2019, E102.B, 592-602.	0.7	1
16	Traceroute-based target link flooding attack detection scheme by analyzing hop count to the destination. IEICE Communications Express, 2019, 8, 251-256.	0.4	0
17	Efficient P2P storage scheme with privacy protection. , 2018, , .		0
18	Encounter Record Reduction Scheme based on Theoretical Contact Probability for Flooding Attack Mitigation in DTN. , 2018, , .		0

#	ARTICLE	IF	CITATIONS
19	An Energy Efficient Target Specific Code Dissemination Scheme with Forwarder Selection Algorithm in WSNs. , 2018, , .		1
20	High-Order Statistics for the Channel Capacity of EGC Receivers Over Generalized Fading Channels. IEEE Communications Letters, 2018, 22, 1740-1743.	4.1	8
21	Efficient tree based code dissemination and search protocol for small subset of sensors. , 2017, , .		2
22	Visual Similarity-Based Phishing Detection Scheme Using Image and CSS with Target Website Finder. , 2017, , .		14
23	Obfuscated malicious javascript detection scheme using the feature based on divided URL. , 2017, , .		5
24	Traceroute-based target link flooding attack detection scheme by analyzing hop count to the destination. , 2017, , .		3
25	Trust-Based Sybil Nodes Detection with Robust Seed Selection and Graph Pruning on SNS. IEICE Transactions on Communications, 2016, E99.B, 1002-1011.	0.7	0
26	Closer destination selection scheme for mobile sink and charger enabled WRSNs. , 2016, , .		4
27	Practical key distribution scheme with less dummy tags in RFID-enabled supply chains. , 2016, , .		2
28	Illegal Interrogation Detectable Products Distribution Scheme in RFID-Enabled Supply Chains. IEICE Transactions on Communications, 2016, E99.B, 820-829.	0.7	0
29	Path metrics for lower throughput fluctuation for video streaming service in wireless mesh networks. , 2015, , .		0
30	Two-stage SPIT detection scheme with betweenness centrality and social trust. IEICE Communications Express, 2015, 4, 239-244.	0.4	1
31	Deterministic blocker tag detection scheme by comparing slot status in UHF RFID inventory management system. IEICE Communications Express, 2015, 4, 26-30.	0.4	0
32	Secure parent node selection scheme in route construction to exclude attacking nodes from RPL network. IEICE Communications Express, 2015, 4, 340-345.	0.4	8
33	Two-stage SPIT detection scheme with betweenness centrality and social trust. , 2015, , .		1
34	Secure parent node selection scheme in route construction to exclude attacking nodes from RPL network. , 2015, , .		25
35	Accelerometer assisted authentication scheme for smart bicycle lock. , 2015, , .		4
36	Fast target link flooding attack detection scheme by analyzing traceroute packets flow. , 2015, , .		20

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37	Trust-based Sybil nodes detection with robust seed selection and graph pruning on SNS. , 2015, , .		1
38	Secret sharing based unidirectional key distribution with dummy tags in Gen2v2 RFID-enabled supply chains. , 2015, , .		10
39	LPCQP: Lightweight private circular query protocol for privacy-preserving k-NN search. , 2015, , .		3
40	Opportunistic routing protocol with grid-based relay slot selection in Energy Harvesting WSNs. , 2014, , .		3
41	Adaptive usage of polarization and physical carrier sensing in wireless ad hoc networks. , 2014, , .		0
42	Reduced complexity on mobile sensor deployment and coverage hole healing by using adaptive threshold distance in hybrid Wireless Sensor Networks. , 2014, , .		4
43	Deterministic Blocker Tag Detection Scheme by Comparing Expected and Observed Slot Status in UHF RFID Inventory Management Systems. , 2014, , .		0
44	Concurrent Moving-Based Connection Restoration Scheme between Actors to Ensure the Continuous Connectivity in WSANs. , 2014, , .		0
45	Singular value decomposition based adaptive transmission scheme for misalignment cross polarized MIMO system. , 2014, , .		0
46	Power saving localization by considering node's distance and localization error for reducing redundant packets in mobile WSNs. , 2012, , .		2
47	Grid-based routing protocol with cell division and rotation in wireless sensor networks. IEICE Communications Express, 2012, 1, 95-100.	0.4	0
48	A primary traffic based multihop routing algorithm using cooperative transmission in cognitive radio ad hoc networks. , 2012, , .		0
49	Cooperative MAC protocol with distributed relay selection using group-based probabilistic contention. , 2012, , .		1
50	Grid-based routing protocol using cell rotation to reduce packets latency and energy consumption in wireless sensor networks. , 2012, , .		4
51	Combined Human, Antenna Orientation in Elevation Direction and Ground Effect on RSSI in Wireless Sensor Networks. , 2012, , .		9
52	Proportional Data Rate Fairness Resource Allocation for MIMO-OFDM Multiple Access Channel by Considering the Correlation Effect of Line of Sight and Non Line of Sight Channel Conditions. IEICE Transactions on Communications, 2012, E95.B, 2414-2423.	0.7	0
53	Asynchronous receiver-initiated MAC protocol with the stair-like sleep in wireless sensor networks. , 2011, , .		3
54	Statistical Analysis of Quantization Noise in an End-to-End OFDM Link. IEICE Transactions on Communications, 2011, E94-B, 1376-1385.	0.7	0

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55	Multicast Routing and Wavelength Assignment for Dynamic Multicast Sessions in WDM Network Using Minimum Delta. IEICE Transactions on Communications, 2010, E93-B, 2688-2695.	0.7	0
56	Reduced Complexity in Antenna Selection for Polarized MIMO System with SVD for the Practical MIMO Communication Channel Environment. IEICE Transactions on Communications, 2010, E93-B, 2389-2399.	0.7	6
57	Route switching protocol for network coding in ad hoc networks. , 2010, , .		2
58	Distributed Ad Hoc Cooperative Routing in cluster-based multihop networks. , 2009, , .		4
59	Allocation of subchannel based on SINR and OVSF codes with allocation rate to reduce the self interference in OFDMA-CDM with rate adaptation. , 2009, , .		0
60	A transport protocol with energy consumption reduction by reducing redundant transmissions in Wireless Sensor and Actor Networks. , 2009, , .		1
61	IPv6 autoconfiguration for hierarchical MANETs with efficient leader election algorithm. Journal of Communications and Networks, 2009, 11, 248-260.	2.6	7
62	Mitigation techniques of channel collisions in the TTFR-based asynchronous spectral phase-encoded optical CDMA system. Journal of Communications and Networks, 2009, 11, 1-10.	2.6	0
63	Multipath routing protocol combined with least hop backup path and packet salvaging for MANETs. , 2009, , .		5
64	Weight combining and subchannel allocation to reduce Self Interference in OFDMA-CDM system. , 2009, , .		2
65	Multiple end-to-end QoS metrics gateway selection scheme in Mobile Ad hoc Networks. , 2009, , .		9
66	Energy Efficient and Stable Weight Based Clustering for Mobile Ad Hoc Networks. IEICE Transactions on Communications, 2009, E92-B, 2851-2863.	0.7	1
67	Hierarchical traceback method using clustering for mobile ad hoc networks. , 2009, , .		0
68	Multiple Metrics Gateway Selection Scheme in Mobile Ad Hoc Network (MANET) and Infrastructure Network Integration. IEICE Transactions on Communications, 2009, E92-B, 2619-2627.	0.7	4
69	Interference Reduction Scheme for UHF Passive RFID Systems Using Modulation Index Control. IEICE Transactions on Communications, 2009, E92-B, 1272-1281.	0.7	1
70	Steady-State Kalman Filtering for Channel Estimation in OFDM Systems for Rayleigh Fading Channels. IEICE Transactions on Communications, 2009, E92-B, 2452-2460.	0.7	1
71	An Optimum Multiple Metrics Gateway Selection Mechanism in MANET and Infrastructured Networks Integration. , 2008, , .		26
72	Anomaly Detection on Mobile Phone Based Operational Behavior. IPSJ Digital Courier, 2008, 4, 9-17.	0.3	7

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73	Energy-Efficient Routing Protocol Adapted to Mobile Sensors for Multiple Sinks in Wireless Sensor Networks. , 2007, , .		2
74	Hybrid Local Recovery Scheme for Reliable Multicast Using Group-Aided Multicast Scheme. , 2007, , .		2
75	Packet Scheduling Algorithm with Modified Time-Utility Function to Improve NRT Throughput in OFDMA System. , 2007, , .		2
76	Resource Allocation Scheme in MIMO-OFDMA System for User's Different Data Throughput Requirements. , 2007, , .		10
77	A Controlling Retransmission Size H-ARQ Scheme by BLER based on Results of CRC Decoding. , 2007, , .		3
78	Packet Scheduling for Cellular Networks with Relaying to Support User QoS and Fairness. , 2007, , .		2
79	A Mitigation Technique of High-Power MAI in the Optical CDMA System with the Optical Power Selector. , 2007, , .		2
80	Multi-Rate Spectral Phase-Encoded Time-Spreading Optical CDMA System Using OVFS Code Sequences. , 2007, , .		2
81	BER Performance Analysis of Spectral Phase-Encoded Optical Atmospheric PPM-CDMA Communication Systems. Journal of Lightwave Technology, 2007, 25, 2992-3000.	4.6	16
82	Downlink performance improvement of TDD CDMA cellular networks with time slot and fixed hopping station allocations. Journal of Communications and Networks, 2007, 9, 247-253.	2.6	0
83	Reduction of Feedback Overload by Exploiting Adaptive Channel in OFDMA systems. , 2007, , .		5
84	Soft Decision Iterative V-BLAST with Detection of All Symbols at the Last Stage by Changing Detection Order in Hybrid STBC. , 2007, , .		2
85	Multirate Spectral Phase-Encoded Time-Spreading O-CDMA System Using Orthogonal Variable Spreading Factor Code Sequences. IEEE Photonics Technology Letters, 2007, 19, 1502-1504.	2.5	0
86	Detection of HTTP-GET flood Attack Based on Analysis of Page Access Behavior. , 2007, , .		60
87	Optical burst switched ring network with upstream prioritized switching and distributed fairness control. Electronics and Communications in Japan, 2007, 90, 30-39.	0.1	1
88	Transmit phase control to increase the minimum eigenvalue of the channel correlation matrix in the ETD system. Electronics and Communications in Japan, 2007, 90, 38-51.	0.1	2
89	OVFS code allocation and two-stage combining method to reduce intercode interference in OFCDM system. Electronics and Communications in Japan, 2007, 90, 16-24.	0.1	2
90	A multicast protocol avoiding unnecessary data forwarding with source distinction in mobile ad hoc networks. Electronics and Communications in Japan, 2007, 90, 36-47.	0.1	2

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91	Preferential transmission of multicast packets using a preallocation scheme in combination with a wavelength monitoring scheme on a RingO network. Electronics and Communications in Japan, 2007, 90, 56-68.	0.2	0
92	TDOA Mobile Terminal Positioning with Weight Control based on Received Power of Pilot Symbol in Taylor-Series Estimation. , 2006, , .		4
93	A transmission scheme for PPM-OCDMA systems in which the transmitted symbols are embedded in the desired user's weighted positions. Electronics and Communications in Japan, 2006, 89, 55-65.	0.1	0
94	Frequency synchronization technique using replica created by mutual correlation value for classifying the weight in autocorrelation operation. Electronics and Communications in Japan, 2006, 89, 28-40.	0.1	0
95	Multibits/sequence optical code division multiple access system applying bit erasure correction by differential encoding. Electronics and Communications in Japan, 2006, 89, 1-11.	0.1	0
96	Mitigation Techniques of Channel Collisions in the TTFR-based Asynchronous Spectral Phase-Encoded Time-Spreading (SPECTS) Optical CDMA System. , 2006, , .		0
97	OFDMA Subcarrier Allocation Scheme by Considering Traffic Based User's Priority. , 2006, , .		1
98	Low Complexity Resource Allocation Algorithm by Multiple Attribute Weighing and User Ranking for OFDMA Systems. , 2006, , .		0
99	OPN06-4: TTFR-based Double Time-Encoded Optical CDMA Systems Transmitting Pulse-Sequence with Multiple Power-Levels. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	0
100	Multilevel zone-based hierarchical link state routing with location search technique applying hierarchical request for mobile ad hoc networks. Electronics and Communications in Japan, 2005, 88, 44-52.	0.1	5
101	VBR video transmission with isochronous and asynchronous transfer mode over wireless 1394. Electronics and Communications in Japan, 2005, 88, 64-74.	0.1	0
102	A synchronization method deselecting candidate positions with chip level detection for optical CDMA. Electronics and Communications in Japan, 2005, 88, 21-32.	0.1	2
103	An RSVP connection renewing scheme using address of neighbor routers in mobile IP-based networks. Electronics and Communications in Japan, 2005, 88, 21-31.	0.1	0
104	A Kalman estimator using two directions of angular velocity. Electronics and Communications in Japan, 2004, 87, 67-80.	0.1	0
105	A scheduling scheme for variable-length packets in an input-buffered ATM switch with priority of active buffer. Electronics and Communications in Japan, 2004, 87, 79-90.	0.1	0
106	Use of optical orthogonal codes with 2-PPM and BCH codes for time-hopping optical CDMA system. Electronics and Communications in Japan, 2004, 87, 11-20.	0.1	0
107	Performance evaluation of OFDM with a nonlinear distortion compensation technique using partial transmit sequence and predistortion. Electronics and Communications in Japan, 2004, 87, 34-42.	0.1	0
108	Proposal of Dynamic Process Resolution Protocol making transparency of physical locations in closed communication group for intranet. Systems and Computers in Japan, 2003, 34, 29-44.	0.2	1

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109	Approximate analysis of MAC protocol with multiple self-tokens in a slotted ring. Journal of Communications and Networks, 2003, 5, 249-257.	2.6	0
110	Pilot symbol assisted high speed packet transmission system based on adaptive OFDM in broadband mobile channel. Journal of Communications and Networks, 2003, 5, 25-32.	2.6	0
111	Maneuver target tracking with an acceleration estimator using target past positions. Electronics and Communications in Japan, 2002, 85, 29-37.	0.1	9
112	Shared concentration output queuing switch for multiple priority classes. Electronics and Communications in Japan, 2002, 85, 41-50.	0.1	0
113	A multisensor tracking system with an airborne sensor to mitigate the effect of cross-range errors. Electronics and Communications in Japan, 2002, 85, 1-12.	0.1	0
114	Synchronization of self-switching phenomena on full-coupled chaotic oscillators. Electronics and Communications in Japan, Part III: Fundamental Electronic Science (English Translation of Denshi) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 137 T	0.1	0
115	Investigation of not-in-phase synchronization on coupled system of four oscillators. Electronics and Communications in Japan, Part III: Fundamental Electronic Science (English Translation of Denshi) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 137 T	0.1	0
116	Contention-based reservation protocol using a counter for detecting a source conflict in WDM single-hop optical network with non-equivalent distance. Journal of Communications and Networks, 2001, 3, 365-373.	2.6	0
117	Proposal and analysis of multicast communication method in a department VPN. Electronics and Communications in Japan, 2001, 84, 45-56.	0.1	0
118	Rate-adaptive indoor infrared wireless communication systems using punctured convolutional codes and adaptive PPM. Electronics and Communications in Japan, 2001, 84, 31-39.	0.1	1
119	A crossbar ATM switch for multicast traffic. Electronics and Communications in Japan, 2001, 84, 16-25.	0.1	0
120	Performance analysis of noncollision PRMA for data and voice traffic. Electronics and Communications in Japan, 2001, 84, 13-21.	0.1	0
121	Performance analysis of knockout ATM switch with batcher network for multiple priority classes. Electronics and Communications in Japan, 2001, 84, 10-18.	0.2	0
122	A Kalman tracker with a turning acceleration estimator. Electronics and Communications in Japan, 2001, 84, 1-11.	0.1	3
123	Optical code division multiplex system with multiphase mapping. Electronics and Communications in Japan, 2001, 84, 27-38.	0.1	0
124	Synchronization phenomena in four simple chaotic oscillators full-coupled by capacitors. Electronics and Communications in Japan, Part III: Fundamental Electronic Science (English) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 137 T	0.1	0
125	Knockout packet switch with batcher network for two priority classes. Electronics and Communications in Japan, 2000, 83, 49-57.	0.1	0
126	INVESTIGATION OF SPATIO-TEMPORAL PHENOMENA ON CHAOTIC OSCILLATORS USING WIEN-BRIDGE OSCILLATOR COUPLED BY ONE RESISTOR FOR COMPARISON WITH GCM. , 2000, , .		0