Sy-Yen Kuo

List of Publications by Year
in descending order

356 papers	5,282 citations	159585 30 h-index	168389 53 g-index
361 all docs	361 docs citations	361 times ranked	2962 citing authors

#	Article	IF	Citations
1	DesmokeNet: A Two-Stage Smoke Removal Pipeline Based on Self-Attentive Feature Consensus and Multi-Level Contrastive Regularization. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 3346-3359.	8.3	9
2	A Weighted Portfolio Optimization Model Based on the Trend Ratio, Emotion Index, and ANGQTS. IEEE Transactions on Emerging Topics in Computational Intelligence, 2022, 6, 867-882.	4.9	10
3	In-Memory Computing Architecture for a Convolutional Neural Network Based on Spin Orbit Torque MRAM. Electronics (Switzerland), 2022, 11, 1245.	3.1	1
4	An Efficient Single Image Enhancement Approach Using Luminance Perception Transformation. IEEE Transactions on Emerging Topics in Computing, 2021, 9, 1083-1094.	4.6	4
5	Image Dehazing in Disproportionate Haze Distributions. IEEE Access, 2021, 9, 44599-44609.	4.2	1
6	DesnowGAN: An Efficient Single Image Snow Removal Framework Using Cross-Resolution Lateral Connection and GANs. IEEE Transactions on Circuits and Systems for Video Technology, 2021, 31, 1342-1350.	8.3	30
7	NTIRE 2021 Depth Guided Image Relighting Challenge. , 2021, , .		10
8	Multi-modal Bifurcated Network for Depth Guided Image Relighting. , 2021, , .		5
9	LRG-Net: Lightweight Residual Grid Network for Modeling Electrical Induction Motor Dynamics. , 2021, , .		2
10	All Characteristics Preservation: Single Image Dehazing based on Hierarchical Detail Reconstruction Wavelet Decomposition Network. , 2021, , .		0
11	ALL Snow Removed: Single Image Desnowing Algorithm Using Hierarchical Dual-tree Complex Wavelet Representation and Contradict Channel Loss. , 2021, , .		52
12	Surgical Wounds Assessment System for Self-Care. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 5076-5091.	9.3	9
13	AMC With a BP-ANN Scheme for 5G Enhanced Mobile Broadband. IEEE Access, 2020, , 1-1.	4.2	5
14	Association Rule Mining with Differential Privacy. , 2020, , .		1
15	STT-DPSA: Digital PUF-Based Secure Authentication Using STT-MRAM for the Internet of Things. Micromachines, 2020, 11, 502.	2.9	7
16	Benchmarking Dynamic Searchable Symmetric Encryption Scheme for Cloud-Internet of Things Applications. IEEE Access, 2020, 8, 1715-1732.	4.2	3
17	Clock-Aware Placement for Large-Scale Heterogeneous FPGAs. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2020, 39, 5042-5055.	2.7	17
18	Guest Editorial: Trustworthiness in Industrial Internet of Things Systems and Applications. IEEE Transactions on Industrial Informatics, 2020, 16, 6079-6082.	11.3	9

#	Article	IF	Citations
19	PMHLD: Patch Map-Based Hybrid Learning DehazeNet for Single Image Haze Removal. IEEE Transactions on Image Processing, 2020, 29, 6773-6788.	9.8	60
20	Single Image Snow Removal Using Sparse Representation and Particle Swarm Optimizer. ACM Transactions on Intelligent Systems and Technology, 2020, 11, 1-15.	4.5	10
21	JSTASR: Joint Size and Transparency-Aware Snow Removal Algorithm Based on Modified Partial Convolution and Veiling Effect Removal. Lecture Notes in Computer Science, 2020, , 754-770.	1.3	48
22	Chronic wound assessment and infection detection method. BMC Medical Informatics and Decision Making, 2019, 19, 99.	3.0	26
23	Path controllability analysis for high quality designs. , 2019, , .		0
24	MDP-trees. , 2019, , .		6
25	KubAnomaly: Anomaly detection for the Docker orchestration platform with neural network approaches. Engineering Reports, 2019, 1, e12080.	1.7	22
26	Benchmarking Dynamic Searchable Symmetric Encryption with Search Pattern Hiding. , 2019, , .		3
27	PMS-Net: Robust Haze Removal Based on Patch Map for Single Images. , 2019, , .		63
28	Dependability in Cyber-Physical Systems and Applications. ACM Transactions on Cyber-Physical Systems, 2019, 3, 1-4.	2.5	5
29	Data Prefetching and Eviction Mechanisms of In-Memory Storage Systems Based on Scheduling for Big Data Processing. IEEE Transactions on Parallel and Distributed Systems, 2019, 30, 1738-1752.	5.6	7
30	A Gray Relational Analysis-Based Motion Detection Algorithm for Real-World Surveillance Sensor Deployment. IEEE Sensors Journal, 2019, 19, 1019-1027.	4.7	15
31	MapReduce Scheduling for Deadline-Constrained Jobs in Heterogeneous Cloud Computing Systems. IEEE Transactions on Cloud Computing, 2018, 6, 127-140.	4.4	44
32	Removing Haze Particles From Single Image via Exponential Inference With Support Vector Data Description. IEEE Transactions on Multimedia, 2018, 20, 2503-2512.	7.2	35
33	Haze Removal Using Radial Basis Function Networks for Visibility Restoration Applications. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 3828-3838.	11.3	35
34	FDD-RT: A Simple CSI Acquisition Technique via Channel Reciprocity for FDD Massive MIMO Downlink. IEEE Systems Journal, 2018, 12, 714-724.	4.6	21
35	Using Tree-Based Approaches to Analyze Dependability and Security on I&C Systems in Safety-Critical Systems. IEEE Systems Journal, 2018, 12, 1118-1128.	4.6	7
36	Efficient Reflection Removal Algorithm for Single Image by Pixel Compensation and Detail Reconstruction. , 2018, , .		4

#	Article	IF	Citations
37	Hierarchical Abnormal-Node Detection Using Fuzzy Logic for ECA Rule-Based Wireless Sensor Networks. , 2018, , .		4
38	Adaptive Repetition Scheme with Machine Learning for 3GPP NB-IoT. , 2018, , .		4
39	Abnormal-Node Detection Based on Spatio-Temporal and Multivariate-Attribute Correlation in Wireless Sensor Networks. , 2018, , .		4
40	UFO - Hidden Backdoor Discovery and Security Verification in IoT Device Firmware. , 2018, , .		13
41	Color Channel-Based Smoke Removal Algorithm Using Machine Learning for Static Images. , 2018, , .		13
42	VENUS: Verifiable range query in data streaming. , 2018, , .		5
43	Foreword for the Industry Track. , 2018, , .		0
44	An effective legalization algorithm for mixed-cell-height standard cells. , 2017, , .		34
45	Scheduling-Aware Data Prefetching for Data Processing Services in Cloud. , 2017, , .		1
46	SER: Secure and efficient retrieval for anonymous range query in wireless sensor networks. Computer Communications, 2017, 108, 1-16.	5.1	16
47	Key Management in Internet of Things via Kronecker Product. , 2017, , .		15
48	Front-Door Event Classification Algorithm for Elderly People Living Alone in Smart House Using Wireless Binary Sensors. IEEE Access, 2017, 5, 10734-10743.	4.2	26
49	Quality of Service Management for Home Networks Using Online Service Response Prediction. IEEE Internet of Things Journal, 2017, 4, 1773-1786.	8.7	2
50	Error-Optimized Sparse Representation for Single Image Rain Removal. IEEE Transactions on Industrial Electronics, 2017, 64, 6573-6581.	7.9	28
51	Outage Users First Cell Outage Compensation Algorithm for Self-Organizing Networks. , 2017, , .		0
52	Toward Fog-Based Event-Driven Services for Internet of Vehicles: Design and Evaluation. Lecture Notes in Computer Science, 2017, , 201-212.	1.3	3
53	Memory forensics using virtual machine introspection for Malware analysis. , 2017, , .		21
54	MAS: Mobile-Apps Assessment and Analysis System. , 2017, , .		3

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55	Clock-aware placement for large-scale heterogeneous FPGAs. , 2017, , .		9
56	Device-free non-invasive front-door event classification algorithm for forget event detection using binary sensors in the smart house. , 2017, , .		4
57	Interfered Users Protection Algorithm for Self-Organizing Networks. Journal of Communications, 2017, , .	1.6	1
58	Design and application of novel morphological filter used in vehicle detection. , 2016, , .		2
59	Coverage hole detection in cellular networks with deterministic propagation model. , 2016, , .		5
60	Timing-driven cell placement optimization for early slack histogram compression. , 2016, , .		5
61	Handling Nondeterminism in Logic Simulation so That Your Waveform Can Be Trusted Again. IEEE Design and Test, 2016, 33, 63-71.	1.2	3
62	Improved global motion estimation via motion vector clustering for video stabilization. Engineering Applications of Artificial Intelligence, 2016, 54, 39-48.	8.1	18
63	Moving Object Counting Using a Tripwire in H.265/HEVC Bitstreams for Video Surveillance. IEEE Access, 2016, 4, 2529-2541.	4.2	9
64	Compressed Sensing-Based Clone Identification in Sensor Networks. IEEE Transactions on Wireless Communications, 2016, 15, 3071-3084.	9.2	16
65	Coding-Aided K-Means Clustering Blind Transceiver for Space Shift Keying MIMO Systems. IEEE Transactions on Wireless Communications, 2016, 15, 103-115.	9.2	44
66	Cyberphysical Security and Dependability Analysis of Digital Control Systems in Nuclear Power Plants. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2016, 46, 356-369.	9.3	51
67	Integrated Heterogeneous Infrastructure for Indoor Positioning. Lecture Notes in Computer Science, 2016, , 249-256.	1.3	0
68	Fault-Tolerant Operations for Universal Blind Quantum Computation. ACM Journal on Emerging Technologies in Computing Systems, 2015, 12, 1-26.	2.3	13
69	A Programming Framework for Implementing Fault-Tolerant Mechanism in IoT Applications. Lecture Notes in Computer Science, 2015, , 771-784.	1.3	3
70	SFTopk: Secure Functional Top-<inline-formula> <tex-math notation="LaTeX">k </tex-math></inline-formula> Query via Untrusted Data Storage. IEEE Access, 2015, 3, 2875-2890.	4.2	6
71	ICI Self-Cancellation With Cosine Windowing in OFDM Transmitters Over Fast Time-Varying Channels. IEEE Transactions on Wireless Communications, 2015, 14, 3559-3570.	9.2	13
72	Measurement and analysis of the leak tightness of reactor containment vessels: experiences and results. Nuclear Engineering and Design, 2015, 292, 112-122.	1.7	2

#	Article	IF	Citations
73	On the Banded Approximation of the Channel Matrix for Mobile OFDM Systems. IEEE Transactions on Vehicular Technology, 2015, 64, 3526-3535.	6.3	6
74	A block restriction method using guided image filter for Local Histogram Equalization. , 2015, , .		1
75	A novel quantum key in distributed networks. , 2014, , .		0
76	Deadline-Constrained MapReduce Scheduling Based on Graph Modelling. , 2014, , .		5
77	Quantum blind signature based on quantum circuit. , 2014, , .		4
78	Smart and Cooperative Sensor Networks. International Journal of Distributed Sensor Networks, 2014, 10, 789352.	2.2	0
79	PCTopk: Privacy-and Correctness-Preserving Functional Top-k Query on Un-trusted Data Storage in Two-Tiered Sensor Networks. , 2014, , .		4
80	Top-k Query Result Completeness Verification in Tiered Sensor Networks. IEEE Transactions on Information Forensics and Security, 2014, 9, 109-124.	6.9	41
81	Privacy-Preserving Power Request in Smart Grid Networks. IEEE Systems Journal, 2014, 8, 441-449.	4.6	31
82	Wireless local area network cards identification based on transient fingerprinting. Wireless Communications and Mobile Computing, 2013, 13, 711-718.	1.2	11
83	Quantum switching and quantum walks. , 2013, , .		0
84	Design of event-based Intrusion Detection System on OpenFlow Network. , 2013, , .		8
85	Mobile IMS Integration of the Internet of Things in Ecosystem. , 2013, , .		2
86	Enhancing Data Integrity and Privacy in the Cloud: An Agenda. Computer, 2013, 46, 87-90.	1.1	7
87	An automatic motion detection algorithm for transport monitoring systems. , 2013, , .		2
88	A Compiler Design Technique for Impulsive VDD Current Minimization. IEEE Transactions on Electromagnetic Compatibility, 2013, 55, 855-866.	2.2	1
89	Node detection and message integrity through quantum circuits. , 2013, , .		0
90	Localized Algorithms for Detection of Node Replication Attacks in Mobile Sensor Networks. IEEE Transactions on Information Forensics and Security, 2013, 8, 754-768.	6.9	35

#	Article	IF	Citations
91	Mining Large Network Reconnaissance Data. , 2013, , .		1
92	Investigating DNS traffic anomalies for malicious activities. , 2013, , .		2
93	Visibility Enhancement of Single Hazy Images Using Hybrid Dark Channel Prior. , 2013, , .		13
94	Top-k query result completeness verification in sensor networks. , 2013, , .		3
95	Fast car/human classification methods in the computer vision tasks. Proceedings of SPIE, 2013, , .	0.8	1
96	Dynamic software update model for remote entity management of machineâ€toâ€machine service capability. IET Communications, 2013, 7, 32-39.	2.2	13
97	MoteSec-Aware: A Practical Secure Mechanism for Wireless Sensor Networks. IEEE Transactions on Wireless Communications, 2013, 12, 2817-2829.	9.2	18
98	Multi-element antenna with close spacing for highly mobile OFDM systems. , 2013, , .		0
99	Dependable Architecture of RFID Middleware on Networked RFID Systems. , 2013, , .		2
100	A Reduced-Complexity Blind Detector for MIMO System Using K-Means Clustering Algorithm. , 2013, , .		6
101	Quantum walks for crossed cubes. , 2013, , .		1
102	Optimal self boundary recognition with two-hop information for ad hoc networks. , 2012, , .		4
103	An efficient approach to extract moving objects by the H.264 compressed-domain features. , 2012, , .		2
104	CSI: Compressed sensing-based clone identification in sensor networks. , 2012, , .		22
105	Quantum circuit and Byzantine generals problem. , 2012, , .		0
106	Obstacle-Avoiding Rectilinear Steiner Tree Construction: A Steiner-Point-Based Algorithm. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2012, 31, 1050-1060.	2.7	26
107	Bi-Space Shift Keying Modulation for MIMO Systems. IEEE Communications Letters, 2012, 16, 1161-1164.	4.1	29
108	Quantum Blind Computation with Teleportation-based Computation. , 2012, , .		2

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109	Resource Block Assignment for Interference Avoidance in Femtocell Networks. , 2012, , .		4
110	Visual saliency-aware radio resource allocation for image transmission in SC-FDMA systems. , 2012, , .		0
111	Socio-organism inspired model forming multi-level computational scheme for integrated IoT service architecture. , 2012, , .		0
112	A parallel processing algorithm for Schnorr-Euchner sphere decoder. , 2012, , .		3
113	Moving Object Extraction Using Compressed Domain Features of H.264 INTRA Frames. , 2012, , .		3
114	Optimal Frequency Offsets with Doppler Spreads in Mobile OFDM System. , 2012, , .		2
115	Privacy- and integrity-preserving range query in wireless sensor networks. , 2012, , .		3
116	Video-based on-road driving safety system with lane detection and vehicle detection. , 2012, , .		4
117	Throughput improvement of multi-hop wireless mesh networks with cooperative opportunistic routing. , 2012, , .		4
118	Civil UAV Path Planning Algorithm for Considering Connection with Cellular Data Network. , 2012, , .		13
119	Compressed Sensing Detector Design for Space Shift Keying in MIMO Systems. IEEE Communications Letters, 2012, 16, 1556-1559.	4.1	84
120	A self-configurable power control algorithm for cognitive radio-based industrial wireless sensor networks with interference constraints. , 2012, , .		7
121	Holography: a behavior-based profiler for malware analysis. Software - Practice and Experience, 2012, 42, 1107-1136.	3.6	6
122	An efficient code gateway for RFID seamless applications. International Journal of Network Management, 2012, 22, 150-161.	2.2	1
123	Resource Allocation with Interference Avoidance in OFDMA Femtocell Networks. IEEE Transactions on Vehicular Technology, 2012, 61, 2243-2255.	6.3	199
124	Facilitating unreachable code diagnosis and debugging. , 2011, , .		1
125	Dependability Enhancement of Reactor Containment in Safety Critical Nuclear Power Plants. , 2011, , .		1
126	Applying verification intention for design customization via property mining under constrained testbenches. , 2011, , .		4

#	Article	IF	Citations
127	Quantum authentication protocol using entanglement swapping. , 2011, , .		6
128	Constraint generation for software-based post-silicon bug masking with scalable resynthesis technique for constraint optimization. , 2011, , .		2
129	Quantum signature scheme for vehicular networks using entangled states. , 2011, , .		5
130	Quantum circuits and quantum message integrity. , 2011, , .		2
131	Real-Time Video-Based Lane Tracing System with the Sliding Focus Window. , 2011, , .		0
132	Interference mitigation through self-organization in OFDMA femtocells. , 2011, , .		0
133	Malware Profiler Based on Innovative Behavior-Awareness Technique. , 2011, , .		3
134	An application-driven attack probability-based deterministic pairwise key pre-distribution scheme for non-uniformly deployed sensor networks. International Journal of Sensor Networks, 2011, 9, 89.	0.4	13
135	Message from the general chair and conference coordinator. , 2011, , .		0
136	An Extended XQDD Representation for Multiple-Valued Quantum Logic. IEEE Transactions on Computers, 2011, 60, 1377-1389.	3.4	5
137	Constrained Function-Based Message Authentication for Sensor Networks. IEEE Transactions on Information Forensics and Security, 2011, 6, 407-425.	6.9	18
138	Practical and Secure Multidimensional Query Framework in Tiered Sensor Networks. IEEE Transactions on Information Forensics and Security, 2011, 6, 241-255.	6.9	30
139	Editorial: Special Issue on Intelligent RFID Network and Innovative Applications. Wireless Personal Communications, 2011, 59, 1-4.	2.7	0
140	On the convergence condition and convergence time of BGP. Computer Communications, 2011, 34, 192-199.	5.1	5
141	Order-Based Localization Scheme for Ad Hoc Sensor Networks. , 2011, , .		0
142	Reactor Containment Dependability Analysis in Safety Critical Nuclear Power Plants: Design, Implementation and Experience. , 2011, , .		0
143	Formal reset recovery slack calculation at the register transfer level. , 2011, , .		1
144	Reversible quantum circuits and quantum transmission integrity. , 2011, , .		3

#	ARTICLE	IF	CITATIONS
145	An Efficient Earthquake Early Warning Message Delivery Algorithm Using an in Time Control-Theoretic Approach. Lecture Notes in Computer Science, 2011, , 161-173.	1.3	2
146	Effective design-for-testability techniques for H.264 all-binary integer motion estimation. IET Circuits, Devices and Systems, 2010, 4, 403.	1.4	1
147	Noninteractive Pairwise Key Establishment for Sensor Networks. IEEE Transactions on Information Forensics and Security, 2010, 5, 556-569.	6.9	33
148	Performance assessment and reliability analysis of dependable and distributed computing systems based on BDD and recursive merge. Applied Mathematics and Computation, 2010, 217, 403-413.	2.2	5
149	A network-based mobility management scheme for future Internet. Computers and Electrical Engineering, 2010, 36, 291-302.	4.8	26
150	Optimizing blocks in an SoC using symbolic code-statement reachability analysis. , 2010, , .		5
151	QUANTUM SECURE DIRECT COMMUNICATION WITH A CONSTANT NUMBER OF EPR PAIRS. International Journal of Quantum Information, 2010, 08, 1355-1371.	1.1	4
152	Acquiring Authentic Data in Unattended Wireless Sensor Networks. Sensors, 2010, 10, 2770-2792.	3.8	11
153	iCon. , 2010, , .		48
154	Accurately Handle Don't-Care Conditions in High-Level Designs and Application for Reducing Initialized Registers. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2010, 29, 646-651.	2.7	12
155	Quantum switching and quantum string matching. , 2010, , .		5
156	An Architectural Perspective on Digital Quantum Switching. , 2010, , 373-384.		0
157	Increasing Service Availability in a Wireless Home Network Environment. Computer Journal, 2009, 52, 851-860.	2.4	2
158	Introducing P2P architecture in adaptive covert communication system. , 2009, , .		4
159	Evaluation of Scalable Routing Architecture Based on Locator/Identifier Separation. , 2009, , .		10
160	Dynamic home agent assignment in peer-to-peer overlay networks. , 2009, , .		0
161	Handling don't-care conditions in high-level synthesis and application for reducing initialized registers. , 2009, , .		8
162	High-performance obstacle-avoiding rectilinear steiner tree construction. ACM Transactions on Design Automation of Electronic Systems, 2009, 14, 1-29.	2.6	7

#	Article	IF	Citations
163	A DoS-resilient en-route filtering scheme for sensor networks. , 2009, , .		5
164	Ubiquitous IMS emergency services over cooperative heterogeneous networks. , 2009, , .		4
165	Scalable and bijective cells for C-testable iterative logic array architectures. IET Circuits, Devices and Systems, 2009, 3, 172-181.	1.4	2
166	Service integration with UPnP agent for an ubiquitous home environment. Information Systems Frontiers, 2009, 11, 483-490.	6.4	8
167	Design-for-testability techniques for CORDIC design. Microelectronics Journal, 2009, 40, 1436-1440.	2.0	1
168	A Constrained Function Based Message Authentication Scheme for Sensor Networks. , 2009, , .		3
169	Design-for-Testability Techniques for Arithmetic Circuits. , 2009, , .		1
170	A Simple Non-Interactive Pairwise Key Establishment Scheme in Sensor Networks. , 2009, , .		8
171	Efficient and Distributed Detection of Node Replication Attacks in Mobile Sensor Networks. , 2009, , .		36
172	Quantum signature mechanism with GHZ states. , 2009, , .		0
173	Xprobe2++: Low volume remote network information gathering tool. , 2009, , .		19
174	Quantum Transmission Integrity Mechanism for Indirect Communication. , 2009, , .		2
175	Holography: A Hardware Virtualization Tool for Malware Analysis. , 2009, , .		6
176	Order-based localization scheme in ad hoc sensor networks. , 2009, , .		0
177	Enhancing bug hunting using high-level symbolic simulation. , 2009, , .		5
178	Obstacle-avoiding rectilinear Steiner tree construction based on Steiner point selection. , 2009, , .		13
179	A 1V 16.9ppm/Â°C 250nA Switched-Capacitor CMOS Voltage Reference. , 2008, , .		27
180	Quantum Boolean Circuits are 1-Testable. IEEE Nanotechnology Magazine, 2008, 7, 484-492.	2.0	8

#	Article	IF	Citations
181	QBIST: Quantum Built-in Self-Test for any Boolean Circuit. VLSI Test Symposium (VTS), Proceedings, IEEE, 2008, , .	1.0	4
182	Secure quantum packet transmission mechanism for wireless networks. , 2008, , .		1
183	Mobile Sensor Network Resilient Against Node Replication Attacks. , 2008, , .		45
184	Scalable arithmetic cells for iterative logic array. , 2008, , .		0
185	Optimization of Hybridized Error Concealment for H.264. IEEE Transactions on Broadcasting, 2008, 54, 499-516.	3.2	27
186	Improving Boolean Circuit Testing by using Quantum Search. , 2008, , .		2
187	Implementation of OpenWrt-based IP PnP gateway. , 2008, , .		2
188	A constrained random perturbation vector-based pairwise key establishment scheme for wireless sensor networks. , 2008, , .		5
189	Efficient multilayer routing based on obstacle-avoiding preferred direction steiner tree. , 2008, , .		11
190	Towards Adaptive Covert Communication System. , 2008, , .		11
191	Novel C-testable design for H.264 Integer Motion Estimation. , 2008, , .		1
192	Quantum boolean circuit is 1-testable. , 2007, , .		2
193	Improving the network flow problem using quantum search. , 2007, , .		1
194	Enhanced UPnP Control and Management in a Campus Network. , 2007, , .		3
195	Adaptive frequency control technique for enhancing transient performance of DC-DC converters. Solid-State Circuits Conference, 2008 ESSCIRC 2008 34th European, 2007, , .	0.0	15
196	Habitual Behavior-Based Opportunistic Data Forwarding in Wildlife Tracking. , 2007, , .		2
197	Dependabilities in a High-performance Quantum Real-time Distributed System. , 2007, , .		1
198	Quantum Entanglement, Non-Locality and Secure Computation. , 2007, , .		1

#	Article	IF	Citations
199	Load Dependent Dead-Times Controller Based on Minimized Duty Cycle Technique for DC-DC Buck Converters. , 2007, , .		10
200	A Low Complexity Design of Reed Solomon Code Algorithm for Advanced RAID System. IEEE Transactions on Consumer Electronics, 2007, 53, 265-273.	3.6	9
201	Dithering Skip Modulation, Width and Dead Time Controllers in Highly Efficient DC-DC Converters for System-On-Chip Applications. IEEE Journal of Solid-State Circuits, 2007, 42, 2451-2465.	5.4	154
202	Attack Probability Based Deterministic Key Predistribution Mechanism for Non-Uniform Sensor Deployment. , 2007, , .		5
203	MAPMon: A Host-Based Malware Detection Tool. , 2007, , .		11
204	A Randomized Distributed Algorithm for Peer-to-Peer Data Replication in Wireless Ad Hoc Networks. , 2007, , .		2
205	Quantum Circuit Design and Analysis for Database Search Applications. IEEE Transactions on Circuits and Systems I: Regular Papers, 2007, 54, 2552-2563.	5.4	19
206	Examining Web-Based Spyware Invasion with Stateful Behavior Monitoring. , 2007, , .		1
207	Quantum Wireless Secure Communication Protocol. , 2007, , .		7
208	Guest editorial peer-to-peer communications and applications. IEEE Journal on Selected Areas in Communications, 2007, 25, 1-4.	14.0	2
209	On the fundamental performance limits of peer-to-peer data replication in wireless ad hoc networks. IEEE Journal on Selected Areas in Communications, 2007, 25, 211-221.	14.0	11
210	An Assessment of Testing-Effort Dependent Software Reliability Growth Models. IEEE Transactions on Reliability, 2007, 56, 198-211.	4.6	138
211	Efficient and Exact Reliability Evaluation for Networks With Imperfect Vertices. IEEE Transactions on Reliability, 2007, 56, 288-300.	4.6	74
212	Self-Healing Spyware: Detection, and Remediation. IEEE Transactions on Reliability, 2007, 56, 588-596.	4.6	12
213	Fast-Transient DCâ€"DC Converter With On-Chip Compensated Error Amplifier. IEEE Transactions on Circuits and Systems II: Express Briefs, 2007, 54, 1150-1154.	3.0	50
214	On-Chip Compensated Error Amplifier for Fast Transient DC-DC Converters. , 2006, , .		14
215	Fast Transient DC-DC Converter with On-Chip Compensated Error Amplifier. Solid-State Circuits Conference, 2008 ESSCIRC 2008 34th European, 2006, , .	0.0	21
216	Quantum Entanglement and Its Applications on Secure Computation. , 2006, , .		2

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217	Current Path Analysis for Electrostatic Discharge Protection. IEEE/ACM International Conference on Computer-Aided Design, Digest of Technical Papers, 2006, , .	0.0	0
218	The Survivability of the Augmented Logical Ring Topology in WDM Networks. , 2006, , .		0
219	A Stateful Approach to Spyware Detection and Removal. , 2006, , .		9
220	A functional verification environment for advanced switching architecture. , 2006, , .		0
221	Quantum Authentication and Secure Communication Protocols. , 2006, , .		4
222	Fuzzy preserving virtual polar coordinate space sensor networks for mobility performance consideration. International Journal of Sensor Networks, 2006, 1, 179.	0.4	13
223	An SPT-based topology control algorithm for wireless ad hoc networks. Computer Communications, 2006, 29, 3092-3103.	5.1	14
224	Extension headers for IPv6 anycast. Computer Communications, 2006, 29, 3013-3019.	5.1	0
225	An Efficient Algorithm for Spare Allocation Problems. IEEE Transactions on Reliability, 2006, 55, 369-378.	4.6	31
226	Dithering skip modulator with a novel load sensor for ultra-wide-load high-efficiency DC-DC converters. , 2006, , .		6
227	Quantum Oblivious Transfer and Fair Digital Transactions. , 2006, , .		4
228	Ditherng Skip Modulator with a Width Controller for Ultra-wide-load High-Efficiency DC-DC Converters. , 2006, , .		8
229	AN ALGORITHM FOR MINIMUM SPACE QUANTUM BOOLEAN CIRCUITS CONSTRUCTION. Journal of Circuits, Systems and Computers, 2006, 15, 719-738.	1.5	11
230	Dithering Skip Modulator with a Novel Load Sensor for Ultra-wide-load High-Efficiency DC-DC Converters. , 2006, , .		4
231	Efficient restoration scheduling in survivable WDM networks. , 2005, , .		0
232	Reliability assessment and sensitivity analysis of software reliability growth modeling based on software module structure. Journal of Systems and Software, 2005, 76, 3-13.	4.5	50
233	A testing framework for Web application security assessment. Computer Networks, 2005, 48, 739-761.	5.1	57
234	All-IPv6 service interworking gateway. International Journal of Network Management, 2005, 15, 135-147.	2.2	6

#	Article	IF	Citations
235	Protocol and applications for sharing quantum private keys. , 2005, , .		6
236	OBDD-Based Evaluation of Reliability and Importance Measures for Multistate Systems Subject to Imperfect Fault Coverage. IEEE Transactions on Dependable and Secure Computing, 2005, 2, 336-347.	5.4	60
237	OSA-based service platform for all-IPv6 network environments. IEEE Journal on Selected Areas in Communications, 2005, 23, 2172-2181.	14.0	4
238	Guest Editorial Wireless Overlay Networks Based on Mobile IPv6. IEEE Journal on Selected Areas in Communications, 2005, 23, 2089-2092.	14.0	0
239	A Secure Quantum Communication Protocol Using Insecure Public Channels. IFIP Advances in Information and Communication Technology, 2005, , 113-126.	0.7	0
240	SPT-based topology algorithm for constructing power efficient wireless ad hoc networks. , 2004, , .		5
241	Verifying Web applications using bounded model checking. , 2004, , .		18
242	A Reservation-Based Multicast Protocol for WDM Optical Star Networks. IEEE Journal on Selected Areas in Communications, 2004, 22, 1670-1680.	14.0	13
243	Securing web application code by static analysis and runtime protection. , 2004, , .		343
244	Computing system failure frequencies and reliability importance measures using OBDD. IEEE Transactions on Computers, 2004, 53, 54-68.	3.4	60
245	Title is missing!. Photonic Network Communications, 2003, 6, 223-238.	2.7	3
246	An Efficient Time-Based Checkpointing Protocol for Mobile Computing Systems over Mobile IP. Mobile Networks and Applications, 2003, 8, 687-697.	3.3	6
247	A unified scheme of some nonhomogenous poisson process models for software reliability estimation. IEEE Transactions on Software Engineering, 2003, 29, 261-269.	5.6	200
248	EFFICIENT ALGORITHMS FOR SELECTION AND SORTING OF LARGE DISTRIBUTED FILES ON DE BRUIJN AND HYPERCUBE STRUCTURES. International Journal of Foundations of Computer Science, 2003, 14, 1129-1146.	1.1	1
249	Digital switching in the quantum domain. IEEE Nanotechnology Magazine, 2002, 1, 154-164.	2.0	29
250	AN OPTIMIZATION-BASED MULTIPLE-VOLTAGE SCALING TECHNIQUE FOR LOW-POWER CMOS DIGITAL DESIGN. Journal of Circuits, Systems and Computers, 2002, 11, 365-375.	1.5	5
251	Design and analysis of accelerative preallocation protocol for WDM star-coupled networks. Journal of Lightwave Technology, 2002, 20, 338-349.	4.6	12
252	Analysis of incorporating logistic testing-effort function into software reliability modeling. IEEE Transactions on Reliability, 2002, 51, 261-270.	4.6	143

#	Article	IF	Citations
253	OBDD-based evaluation of k-terminal network reliability. IEEE Transactions on Reliability, 2002, 51, 443-451.	4.6	67
254	Efficient Selection and Sorting Schemes Using Coteries for Processing Large Distributed Files. Journal of Parallel and Distributed Computing, 2002, 62, 1295-1313.	4.1	2
255	Design and Analysis of a Backbone Architecture with TDMA Mechanism for IP Optical Networking. Journal of Network and Systems Management, 2002, 10, 383-404.	4.9	0
256	Converter-free multiple-voltage scaling techniques for low-power CMOS digital design. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2001, 20, 172-176.	2.7	24
257	Framework for modeling software reliability, using various testing-efforts and fault-detection rates. IEEE Transactions on Reliability, 2001, 50, 310-320.	4.6	98
258	Restoration from Multiple Faults in WDM Networks without Wavelength Conversion. Lecture Notes in Computer Science, 2001, , 317-325.	1.3	2
259	Resolving error propagation in distributed systems. Information Processing Letters, 2000, 74, 257-262.	0.6	5
260	A new BiCMOS increased full-swing converter for low-internal-voltage ULSI systems. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2000, 47, 1238-1242.	0.1	1
261	Determining terminal-pair reliability based on edge expansion diagrams using OBDD. IEEE Transactions on Reliability, 1999, 48, 234-246.	4.6	118
262	Distributed fault-tolerant ring embedding and reconfiguration in hypercubes. IEEE Transactions on Computers, 1999, 48, 81-88.	3.4	15
263	Theoretical analysis for communication-induced checkpointing protocols with rollback-dependency trackability. IEEE Transactions on Parallel and Distributed Systems, 1998, 9, 963-971.	5.6	39
264	A new technique for optimization problems in graph theory. IEEE Transactions on Computers, 1998, 47, 190-196.	3.4	15
265	OBDD-based network reliability calculation. Electronics Letters, 1997, 33, 759.	1.0	11
266	Multiaccess processor interconnection using subcarrier and wavelength division multiplexing. Journal of Lightwave Technology, 1997, 15, 228-241.	4.6	9
267	Optimal release times for software systems with scheduled delivery time based on the HGDM. IEEE Transactions on Computers, 1997, 46, 216-221.	3.4	40
268	Fault-tolerant interleaved memory systems with two-level redundancy. IEEE Transactions on Computers, 1997, 46, 1028-1034.	3.4	4
269	Gauss-elimination-based generation of multiple seed-polynomial pairs for LFSR. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 1997, 16, 1015-1024.	2.7	24
270	A New Probabilistic Induction Method. Journal of Automated Reasoning, 1997, 18, 5-24.	1.4	13

#	Article	IF	Citations
271	Constructions of link-fault-tolerant q-ary k-cube networks. Electronics Letters, 1997, 33, 1025.	1.0	1
272	A fault-tolerant tree communication scheme for hypercube systems. IEEE Transactions on Computers, 1996, 45, 641-650.	3.4	8
273	A wavelength encoded multichannel optical bus for local area networks. Journal of Lightwave Technology, 1996, 14, 315-323.	4.6	3
274	Optimal release policy for hyper-geometric distribution software-reliability growth model. IEEE Transactions on Reliability, 1996, 45, 646-651.	4.6	21
275	Error Recovery in Parallel Systems of Pipelined Processors with Caches. , 1994, , .		0
276	Design and analysis of defect tolerant hierarchical sorting networks. IEEE Transactions on Very Large Scale Integration (VLSI) Systems, 1993, 1, 219-223.	3.1	4
277	Fault diagnosis and spare allocation for yield enhancement in large reconfigurable PLAs. IEEE Transactions on Computers, 1992, 41, 221-226.	3.4	15
278	Concurrent error detection and correction in real-time systolic sorting arrays. IEEE Transactions on Computers, 1992, 41, 1615-1620.	3.4	5
279	Computer-aided modeling and evaluation of reconfigurable VLSI processor arrays with VHDL. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 1992, 11, 185-197.	2.7	6
280	Defect-tolerant hierarchical sorting networks for wafer-scale integration. IEEE Journal of Solid-State Circuits, 1991, 26, 1212-1222.	5.4	6
281	Reconfigurable cube-connected cycles architectures. Journal of Parallel and Distributed Computing, 1990, 9, 1-10.	4.1	35
282	Fault diagnosis in reconfigurable VLSI and WSI processor arrays. Journal of Signal Processing Systems, 1990, 2, 173-187.	1.0	5
283	Spare Allocation/Reconfiguration for WSI. , 1989, , 119-191.		0
284	Efficient Spare Allocation for Reconfigurable Arrays. IEEE Design and Test of Computers, 1987, 4, 24-31.	1.0	276
285	Fault Tolerance Techniques for Systolic Arrays. Computer, 1987, 20, 65-75.	1.1	86
286	Efficient Spare Allocation in Reconfigurable Arrays. , 1986, , .		24
287	Reliability modeling incorporating error processes for Internet-distributed software. , 0, , .		5
288	Fault management for adjustable pre-allocation wavelength division multi-access systems. , 0, , .		0

#	ARTICLE	IF	CITATIONS
289	High-speed wavelength encoded multiple-channel optical buses for LAN. , 0, , .		1
290	Fault tolerance in hyperbus and hypercube multiprocessors using partitioning scheme. , 0, , .		1
291	Hyper-geometric distribution software reliability growth model with imperfect debugging. , 0, , .		8
292	Easily testable data path allocation using input/output registers. , 0, , .		1
293	Efficient allocation of testing resources for software module testing based on the hyper-geometric distribution software reliability growth model. , 0, , .		13
294	An efficient PRPG strategy by utilizing essential faults. , 0, , .		0
295	Efficient shared buffer optical stars for bursty traffic and fault tolerance in 3-stage ATM switches. , 0, , .		0
296	Analysis of a software reliability growth model with logistic testing-effort function. , 0, , .		41
297	On a unified theory of some nonhomogeneous Poisson process models for software reliability. , 0, , .		9
298	Synchronous flow control in wormhole routed optical networks. , 0, , .		0
299	A TDM-based control mechanism with group interleaved control channel for wavelength division multiplexing networks. , 0, , .		0
300	Pragmatic study of parametric decomposition models for estimating software reliability growth. , 0, , .		10
301	A combinational media access protocol for multicast traffic in single-hop WDM LANs. , 0, , .		16
302	A simple and efficient deadlock recovery scheme for wormhole routed 2-dimensional meshes. , 0, , .		2
303	An accelerative pre-allocation protocol for wavelength division multiplexing star-coupled networks. , 0, , .		2
304	Software reliability modeling and cost estimation incorporating testing-effort and efficiency. , 0, , .		22
305	Fault tolerant crossconnect and wavelength routing in all-optical networks. , 0, , .		0
306	Quantitative software reliability modeling from testing to operation. , 0, , .		14

#	Article	IF	Citations
307	Effort-index-based software reliability growth models and performance assessment. , 0, , .		13
308	An optimization-based low-power voltage scaling technique using multiple supply voltages. , 0, , .		9
309	Novel fault-tolerant techniques for high capacity RAMs. , 0, , .		2
310	Cache management of dynamic source routing for fault tolerance in mobile ad hoc networks. , 0, , .		1
311	Dependable wavelength routing with spare rerouting in all-optical WDM networks. , 0, , .		2
312	A checkpointing tool for Palm operating system. , 0, , .		3
313	All-optical multicasting on wavelength-routed WDM networks with partial replication. , 0, , .		21
314	Failure detection mechanism for distributed object computing using CORBA. , 0, , .		0
315	Direction-aware routing protocol for mobile ad hoc networks. , 0, , .		2
316	Optimal allocation of testing resources for modular software systems. , 0, , .		15
317	Reliability evaluation of multi-state systems subject to imperfect coverage using OBDD. , 0, , .		8
318	Analyzing network reliability with imperfect nodes using OBDD. , 0, , .		6
319	Quantum Boolean circuit approach for searching an unordered database. , 0, , .		6
320	A low overhead checkpointing protocol for mobile computing systems. , 0, , .		2
321	Optimal resource allocation and reliability analysis for component-based software applications. , 0, , .		17
322	A Low-Error and Area-Time Efficient Fixed-Width Booth Multiplier. , 0, , .		1
323	Minimal cutset enumeration and network reliability evaluation by recursive merge and BDD. , 0, , .		22
324	Modified Karnaugh map for quantum Boolean circuits construction. , 0, , .		8

#	Article	IF	Citations
325	Sensitivity analysis of software reliability for component-based software applications. , 0, , .		12
326	A cut-based algorithm for reliability analysis of terminal-pair network using OBDD. , 0, , .		10
327	A two-level TDM access protocol for IP support in WDM optical networks. , 0, , .		0
328	Communication strategies for heartbeat-style failure detectors in wireless ad hoc networks. , 0, , .		12
329	A simulation-based temporal assertion checker for PSL. , 0, , .		2
330	A topology control algorithm for constructing power efficient wireless ad hoc networks. , 0, , .		10
331	IC HTOL test stress condition optimization. , 0, , .		8
332	Software reliability growth models incorporating fault dependency with various debugging time lags. , 0, , .		11
333	An efficient functional verification method for quantum boolean circuits. , 0, , .		0
334	SPT-based power-efficient topology control for wireless ad hoc networks. , 0, , .		5
335	An efficient perfect algorithm for memory repair problems. , 0, , .		3
336	An XOR based reed-solomon algorithm for advanced RAID systems. , 0, , .		10
337	Optimal allocation of testing-resource considering cost, reliability, and testing-effort. , 0, , .		23
338	Load-balanced anycast routing. , 0, , .		2
339	Non-Detrimental Web Application Security Scanning. , 0, , .		10
340	Reliability evaluation of dependable distributed computing systems based on recursive merge and BDD. , 0, , .		1
341	Quantum boolean circuits construction using tabulation method. , 0, , .		1
342	An efficient algorithm for reconfiguring shared spare RRAM. , 0, , .		1

#	Article	IF	Citations
343	A generalized methodology for low-error and area-time efficient fixed width booth multipliers. , 0, , .		3
344	Group Partition and Restoration Strategies for Survivable WDM Networks. , 0, , .		0
345	An Area-Efficient Architecture of Reed-Solomon Codec for Advanced RAID Systems. , 0, , .		1
346	A scheme to enhance the error-correcting capability of encoded quantum information. , 0, , .		0
347	A Multi-Faceted Approach towards Spam-Resistible Mail. , 0, , .		10
348	Dynamic survivable RWA strategy on IP over WDM networks. , 0, , .		0
349	A Framework for the Design of Error-Aware Power-Efficient Fixed-Width Booth Multipliers. , 0, , .		2
350	An Evaluation of the Virtual Router Redundancy Protocol Extension with Load Balancing. , 0, , .		4
351	Efficient exact spare allocation via Boolean satisfiability. , 0, , .		1
352	Performing authenticated encryption with nanoscale phenomenon. , 0, , .		1
353	Highly Efficient Tri-Mode Control of Buck Converters with Load Sensing Technique. , 0, , .		8
354	Quantum Authentication and Secure Communication Protocols. , 0, , .		0
355	Quantum Entanglement and Its Applications on Secure Computation. , 0, , .		0
356	Design and implementation of a high speed parallel architecture for ATM UNI. , 0, , .		0