

Sy-Yen Kuo

List of Publications by Year in descending order

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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	Securing web application code by static analysis and runtime protection. , 2004, , .		343
2	Efficient Spare Allocation for Reconfigurable Arrays. IEEE Design and Test of Computers, 1987, 4, 24-31.	1.0	276
3	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
4	Resource Allocation with Interference Avoidance in OFDMA Femtocell Networks. IEEE Transactions on Vehicular Technology, 2012, 61, 2243-2255.	6.3	199
5	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
6	Analysis of incorporating logistic testing-effort function into software reliability modeling. IEEE Transactions on Reliability, 2002, 51, 261-270.	4.6	143
7	An Assessment of Testing-Effort Dependent Software Reliability Growth Models. IEEE Transactions on Reliability, 2007, 56, 198-211.	4.6	138
8	Determining terminal-pair reliability based on edge expansion diagrams using OBDD. IEEE Transactions on Reliability, 1999, 48, 234-246.	4.6	118
9	Framework for modeling software reliability, using various testing-efforts and fault-detection rates. IEEE Transactions on Reliability, 2001, 50, 310-320.	4.6	98
10	Fault Tolerance Techniques for Systolic Arrays. Computer, 1987, 20, 65-75.	1.1	86
11	Compressed Sensing Detector Design for Space Shift Keying in MIMO Systems. IEEE Communications Letters, 2012, 16, 1556-1559.	4.1	84
12	Efficient and Exact Reliability Evaluation for Networks With Imperfect Vertices. IEEE Transactions on Reliability, 2007, 56, 288-300.	4.6	74
13	OBDD-based evaluation of k-terminal network reliability. IEEE Transactions on Reliability, 2002, 51, 443-451.	4.6	67
14	PMS-Net: Robust Haze Removal Based on Patch Map for Single Images. , 2019, , .		63
15	Computing system failure frequencies and reliability importance measures using OBDD. IEEE Transactions on Computers, 2004, 53, 54-68.	3.4	60
16	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
17	PMHLD: Patch Map-Based Hybrid Learning DehazeNet for Single Image Haze Removal. IEEE Transactions on Image Processing, 2020, 29, 6773-6788.	9.8	60
18	A testing framework for Web application security assessment. Computer Networks, 2005, 48, 739-761.	5.1	57

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19	ALL Snow Removed: Single Image Desnowing Algorithm Using Hierarchical Dual-tree Complex Wavelet Representation and Contradict Channel Loss. , 2021, , .		52
20	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
21	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
22	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
23	iCon. , 2010, , .		48
24	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
25	Mobile Sensor Network Resilient Against Node Replication Attacks. , 2008, , .		45
26	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
27	MapReduce Scheduling for Deadline-Constrained Jobs in Heterogeneous Cloud Computing Systems. IEEE Transactions on Cloud Computing, 2018, 6, 127-140.	4.4	44
28	Analysis of a software reliability growth model with logistic testing-effort function. , 0, , .		41
29	Top-\$k\$ Query Result Completeness Verification in Tiered Sensor Networks. IEEE Transactions on Information Forensics and Security, 2014, 9, 109-124.	6.9	41
30	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
31	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
32	Efficient and Distributed Detection of Node Replication Attacks in Mobile Sensor Networks. , 2009, , .		36
33	Reconfigurable cube-connected cycles architectures. Journal of Parallel and Distributed Computing, 1990, 9, 1-10.	4.1	35
34	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
35	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
36	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

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37	An effective legalization algorithm for mixed-cell-height standard cells. , 2017, , .		34
38	Noninteractive Pairwise Key Establishment for Sensor Networks. IEEE Transactions on Information Forensics and Security, 2010, 5, 556-569.	6.9	33
39	An Efficient Algorithm for Spare Allocation Problems. IEEE Transactions on Reliability, 2006, 55, 369-378.	4.6	31
40	Privacy-Preserving Power Request in Smart Grid Networks. IEEE Systems Journal, 2014, 8, 441-449.	4.6	31
41	Practical and Secure Multidimensional Query Framework in Tiered Sensor Networks. IEEE Transactions on Information Forensics and Security, 2011, 6, 241-255.	6.9	30
42	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
43	Digital switching in the quantum domain. IEEE Nanotechnology Magazine, 2002, 1, 154-164.	2.0	29
44	Bi-Space Shift Keying Modulation for MIMO Systems. IEEE Communications Letters, 2012, 16, 1161-1164.	4.1	29
45	Error-Optimized Sparse Representation for Single Image Rain Removal. IEEE Transactions on Industrial Electronics, 2017, 64, 6573-6581.	7.9	28
46	A 1V 16.9ppm/Å°C 250nA Switched-Capacitor CMOS Voltage Reference. , 2008, , .		27
47	Optimization of Hybridized Error Concealment for H.264. IEEE Transactions on Broadcasting, 2008, 54, 499-516.	3.2	27
48	A network-based mobility management scheme for future Internet. Computers and Electrical Engineering, 2010, 36, 291-302.	4.8	26
49	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
50	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
51	Chronic wound assessment and infection detection method. BMC Medical Informatics and Decision Making, 2019, 19, 99.	3.0	26
52	Efficient Spare Allocation in Reconfigurable Arrays. , 1986, , .		24
53	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
54	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

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55	Optimal allocation of testing-resource considering cost, reliability, and testing-effort. , 0, , .		23
56	Software reliability modeling and cost estimation incorporating testing-effort and efficiency. , 0, , .		22
57	Minimal cutset enumeration and network reliability evaluation by recursive merge and BDD. , 0, , .		22
58	CSI: Compressed sensing-based clone identification in sensor networks. , 2012, , .		22
59	KubAnomaly: Anomaly detection for the Docker orchestration platform with neural network approaches. Engineering Reports, 2019, 1, e12080.	1.7	22
60	Optimal release policy for hyper-geometric distribution software-reliability growth model. IEEE Transactions on Reliability, 1996, 45, 646-651.	4.6	21
61	All-optical multicasting on wavelength-routed WDM networks with partial replication. , 0, , .		21
62	Fast Transient DC-DC Converter with On-Chip Compensated Error Amplifier. Solid-State Circuits Conference, 2008 ESSCIRC 2008 34th European, 2006, , .	0.0	21
63	Memory forensics using virtual machine introspection for Malware analysis. , 2017, , .		21
64	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
65	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
66	Xprobe2++: Low volume remote network information gathering tool. , 2009, , .		19
67	Verifying Web applications using bounded model checking. , 2004, , .		18
68	Constrained Function-Based Message Authentication for Sensor Networks. IEEE Transactions on Information Forensics and Security, 2011, 6, 407-425.	6.9	18
69	MoteSec-Aware: A Practical Secure Mechanism for Wireless Sensor Networks. IEEE Transactions on Wireless Communications, 2013, 12, 2817-2829.	9.2	18
70	Improved global motion estimation via motion vector clustering for video stabilization. Engineering Applications of Artificial Intelligence, 2016, 54, 39-48.	8.1	18
71	Optimal resource allocation and reliability analysis for component-based software applications. , 0, , .		17
72	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

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73	A combinational media access protocol for multicast traffic in single-hop WDM LANs. , 0, , .		16
74	Compressed Sensing-Based Clone Identification in Sensor Networks. IEEE Transactions on Wireless Communications, 2016, 15, 3071-3084.	9.2	16
75	SER: Secure and efficient retrieval for anonymous range query in wireless sensor networks. Computer Communications, 2017, 108, 1-16.	5.1	16
76	Fault diagnosis and spare allocation for yield enhancement in large reconfigurable PLAs. IEEE Transactions on Computers, 1992, 41, 221-226.	3.4	15
77	A new technique for optimization problems in graph theory. IEEE Transactions on Computers, 1998, 47, 190-196.	3.4	15
78	Distributed fault-tolerant ring embedding and reconfiguration in hypercubes. IEEE Transactions on Computers, 1999, 48, 81-88.	3.4	15
79	Optimal allocation of testing resources for modular software systems. , 0, , .		15
80	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
81	Key Management in Internet of Things via Kronecker Product. , 2017, , .		15
82	A Gray Relational Analysis-Based Motion Detection Algorithm for Real-World Surveillance Sensor Deployment. IEEE Sensors Journal, 2019, 19, 1019-1027.	4.7	15
83	Quantitative software reliability modeling from testing to operation. , 0, , .		14
84	On-Chip Compensated Error Amplifier for Fast Transient DC-DC Converters. , 2006, , .		14
85	An SPT-based topology control algorithm for wireless ad hoc networks. Computer Communications, 2006, 29, 3092-3103.	5.1	14
86	Efficient allocation of testing resources for software module testing based on the hyper-geometric distribution software reliability growth model. , 0, , .		13
87	A New Probabilistic Induction Method. Journal of Automated Reasoning, 1997, 18, 5-24.	1.4	13
88	Effort-index-based software reliability growth models and performance assessment. , 0, , .		13
89	A Reservation-Based Multicast Protocol for WDM Optical Star Networks. IEEE Journal on Selected Areas in Communications, 2004, 22, 1670-1680.	14.0	13
90	Fuzzy preserving virtual polar coordinate space sensor networks for mobility performance consideration. International Journal of Sensor Networks, 2006, 1, 179.	0.4	13

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91	An application-driven attack probability-based deterministic pairwise key pre-distribution scheme for non-uniformly deployed sensor networks. <i>International Journal of Sensor Networks</i> , 2011, 9, 89.	0.4	13
92	Civil UAV Path Planning Algorithm for Considering Connection with Cellular Data Network. , 2012, , .		13
93	Visibility Enhancement of Single Hazy Images Using Hybrid Dark Channel Prior. , 2013, , .		13
94	Dynamic software update model for remote entity management of machine-to-machine service capability. <i>IET Communications</i> , 2013, 7, 32-39.	2.2	13
95	Fault-Tolerant Operations for Universal Blind Quantum Computation. <i>ACM Journal on Emerging Technologies in Computing Systems</i> , 2015, 12, 1-26.	2.3	13
96	ICI Self-Cancellation With Cosine Windowing in OFDM Transmitters Over Fast Time-Varying Channels. <i>IEEE Transactions on Wireless Communications</i> , 2015, 14, 3559-3570.	9.2	13
97	UFO - Hidden Backdoor Discovery and Security Verification in IoT Device Firmware. , 2018, , .		13
98	Color Channel-Based Smoke Removal Algorithm Using Machine Learning for Static Images. , 2018, , .		13
99	Obstacle-avoiding rectilinear Steiner tree construction based on Steiner point selection. , 2009, , .		13
100	Design and analysis of accelerative preallocation protocol for WDM star-coupled networks. <i>Journal of Lightwave Technology</i> , 2002, 20, 338-349.	4.6	12
101	Sensitivity analysis of software reliability for component-based software applications. , 0, , .		12
102	Communication strategies for heartbeat-style failure detectors in wireless ad hoc networks. , 0, , .		12
103	Self-Healing Spyware: Detection, and Remediation. <i>IEEE Transactions on Reliability</i> , 2007, 56, 588-596.	4.6	12
104	Accurately Handle Don't-Care Conditions in High-Level Designs and Application for Reducing Initialized Registers. <i>IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems</i> , 2010, 29, 646-651.	2.7	12
105	OBDD-based network reliability calculation. <i>Electronics Letters</i> , 1997, 33, 759.	1.0	11
106	Software reliability growth models incorporating fault dependency with various debugging time lags. , 0, , .		11
107	AN ALGORITHM FOR MINIMUM SPACE QUANTUM BOOLEAN CIRCUITS CONSTRUCTION. <i>Journal of Circuits, Systems and Computers</i> , 2006, 15, 719-738.	1.5	11
108	MAPMon: A Host-Based Malware Detection Tool. , 2007, , .		11

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109	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
110	Efficient multilayer routing based on obstacle-avoiding preferred direction steiner tree. , 2008, , .		11
111	Towards Adaptive Covert Communication System. , 2008, , .		11
112	Acquiring Authentic Data in Unattended Wireless Sensor Networks. Sensors, 2010, 10, 2770-2792.	3.8	11
113	Wireless local area network cards identification based on transient fingerprinting. Wireless Communications and Mobile Computing, 2013, 13, 711-718.	1.2	11
114	Pragmatic study of parametric decomposition models for estimating software reliability growth. , 0, , .		10
115	A cut-based algorithm for reliability analysis of terminal-pair network using OBDD. , 0, , .		10
116	A topology control algorithm for constructing power efficient wireless ad hoc networks. , 0, , .		10
117	An XOR based reed-solomon algorithm for advanced RAID systems. , 0, , .		10
118	Non-Detrimental Web Application Security Scanning. , 0, , .		10
119	A Multi-Faceted Approach towards Spam-Resistible Mail. , 0, , .		10
120	Load Dependent Dead-Times Controller Based on Minimized Duty Cycle Technique for DC-DC Buck Converters. , 2007, , .		10
121	Evaluation of Scalable Routing Architecture Based on Locator/Identifier Separation. , 2009, , .		10
122	NTIRE 2021 Depth Guided Image Relighting Challenge. , 2021, , .		10
123	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
124	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
125	Multiaccess processor interconnection using subcarrier and wavelength division multiplexing. Journal of Lightwave Technology, 1997, 15, 228-241.	4.6	9
126	On a unified theory of some nonhomogeneous Poisson process models for software reliability. , 0, , .		9

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127	An optimization-based low-power voltage scaling technique using multiple supply voltages. , 0, , .		9
128	A Stateful Approach to Spyware Detection and Removal. , 2006, , .		9
129	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
130	Moving Object Counting Using a Tripwire in H.265/HEVC Bitstreams for Video Surveillance. IEEE Access, 2016, 4, 2529-2541.	4.2	9
131	Clock-aware placement for large-scale heterogeneous FPGAs. , 2017, , .		9
132	Surgical Wounds Assessment System for Self-Care. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 5076-5091.	9.3	9
133	Guest Editorial: Trustworthiness in Industrial Internet of Things Systems and Applications. IEEE Transactions on Industrial Informatics, 2020, 16, 6079-6082.	11.3	9
134	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
135	Hyper-geometric distribution software reliability growth model with imperfect debugging. , 0, , .		8
136	A fault-tolerant tree communication scheme for hypercube systems. IEEE Transactions on Computers, 1996, 45, 641-650.	3.4	8
137	Reliability evaluation of multi-state systems subject to imperfect coverage using OBDD. , 0, , .		8
138	Modified Karnaugh map for quantum Boolean circuits construction. , 0, , .		8
139	IC HTOL test stress condition optimization. , 0, , .		8
140	Highly Efficient Tri-Mode Control of Buck Converters with Load Sensing Technique. , 0, , .		8
141	Ditherng Skip Modulator with a Width Controller for Ultra-wide-load High-Efficiency DC-DC Converters. , 2006, , .		8
142	Quantum Boolean Circuits are 1-Testable. IEEE Nanotechnology Magazine, 2008, 7, 484-492.	2.0	8
143	Handling don't-care conditions in high-level synthesis and application for reducing initialized registers. , 2009, , .		8
144	Service integration with UPnP agent for an ubiquitous home environment. Information Systems Frontiers, 2009, 11, 483-490.	6.4	8

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145	A Simple Non-Interactive Pairwise Key Establishment Scheme in Sensor Networks. , 2009, , .		8
146	Design of event-based Intrusion Detection System on OpenFlow Network. , 2013, , .		8
147	Quantum Wireless Secure Communication Protocol. , 2007, , .		7
148	High-performance obstacle-avoiding rectilinear steiner tree construction. ACM Transactions on Design Automation of Electronic Systems, 2009, 14, 1-29.	2.6	7
149	A self-configurable power control algorithm for cognitive radio-based industrial wireless sensor networks with interference constraints. , 2012, , .		7
150	Enhancing Data Integrity and Privacy in the Cloud: An Agenda. Computer, 2013, 46, 87-90.	1.1	7
151	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
152	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
153	STT-DPSA: Digital PUF-Based Secure Authentication Using STT-MRAM for the Internet of Things. Micromachines, 2020, 11, 502.	2.9	7
154	Defect-tolerant hierarchical sorting networks for wafer-scale integration. IEEE Journal of Solid-State Circuits, 1991, 26, 1212-1222.	5.4	6
155	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
156	Analyzing network reliability with imperfect nodes using OBDD. , 0, , .		6
157	Quantum Boolean circuit approach for searching an unordered database. , 0, , .		6
158	An Efficient Time-Based Checkpointing Protocol for Mobile Computing Systems over Mobile IP. Mobile Networks and Applications, 2003, 8, 687-697.	3.3	6
159	All-IPv6 service interworking gateway. International Journal of Network Management, 2005, 15, 135-147.	2.2	6
160	Protocol and applications for sharing quantum private keys. , 2005, , .		6
161	Dithering skip modulator with a novel load sensor for ultra-wide-load high-efficiency DC-DC converters. , 2006, , .		6
162	Holography: A Hardware Virtualization Tool for Malware Analysis. , 2009, , .		6

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163	Quantum authentication protocol using entanglement swapping. , 2011, , .		6
164	Holography: a behavior-based profiler for malware analysis. Software - Practice and Experience, 2012, 42, 1107-1136.	3.6	6
165	A Reduced-Complexity Blind Detector for MIMO System Using K-Means Clustering Algorithm. , 2013, , .		6
166	SFTopk: Secure Functional Top- k Query via Untrusted Data Storage. IEEE Access, 2015, 3, 2875-2890.	4.2	6
167	On the Banded Approximation of the Channel Matrix for Mobile OFDM Systems. IEEE Transactions on Vehicular Technology, 2015, 64, 3526-3535.	6.3	6
168	MDP-trees. , 2019, , .		6
169	Reliability modeling incorporating error processes for Internet-distributed software. , 0, , .		5
170	Fault diagnosis in reconfigurable VLSI and WSI processor arrays. Journal of Signal Processing Systems, 1990, 2, 173-187.	1.0	5
171	Concurrent error detection and correction in real-time systolic sorting arrays. IEEE Transactions on Computers, 1992, 41, 1615-1620.	3.4	5
172	Resolving error propagation in distributed systems. Information Processing Letters, 2000, 74, 257-262.	0.6	5
173	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
174	SPT-based topology algorithm for constructing power efficient wireless ad hoc networks. , 2004, , .		5
175	SPT-based power-efficient topology control for wireless ad hoc networks. , 0, , .		5
176	Attack Probability Based Deterministic Key Predistribution Mechanism for Non-Uniform Sensor Deployment. , 2007, , .		5
177	A constrained random perturbation vector-based pairwise key establishment scheme for wireless sensor networks. , 2008, , .		5
178	A DoS-resilient en-route filtering scheme for sensor networks. , 2009, , .		5
179	Enhancing bug hunting using high-level symbolic simulation. , 2009, , .		5
180	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

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181	Optimizing blocks in an SoC using symbolic code-statement reachability analysis. , 2010, , .		5
182	Quantum switching and quantum string matching. , 2010, , .		5
183	Quantum signature scheme for vehicular networks using entangled states. , 2011, , .		5
184	An Extended XQDD Representation for Multiple-Valued Quantum Logic. IEEE Transactions on Computers, 2011, 60, 1377-1389.	3.4	5
185	On the convergence condition and convergence time of BGP. Computer Communications, 2011, 34, 192-199.	5.1	5
186	Deadline-Constrained MapReduce Scheduling Based on Graph Modelling. , 2014, , .		5
187	Coverage hole detection in cellular networks with deterministic propagation model. , 2016, , .		5
188	Timing-driven cell placement optimization for early slack histogram compression. , 2016, , .		5
189	VENUS: Verifiable range query in data streaming. , 2018, , .		5
190	Dependability in Cyber-Physical Systems and Applications. ACM Transactions on Cyber-Physical Systems, 2019, 3, 1-4.	2.5	5
191	AMC With a BP-ANN Scheme for 5G Enhanced Mobile Broadband. IEEE Access, 2020, , 1-1.	4.2	5
192	Multi-modal Bifurcated Network for Depth Guided Image Relighting. , 2021, , .		5
193	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
194	Fault-tolerant interleaved memory systems with two-level redundancy. IEEE Transactions on Computers, 1997, 46, 1028-1034.	3.4	4
195	An Evaluation of the Virtual Router Redundancy Protocol Extension with Load Balancing. , 0, , .		4
196	OSA-based service platform for all-IPv6 network environments. IEEE Journal on Selected Areas in Communications, 2005, 23, 2172-2181.	14.0	4
197	Quantum Authentication and Secure Communication Protocols. , 2006, , .		4
198	Quantum Oblivious Transfer and Fair Digital Transactions. , 2006, , .		4

#	ARTICLE	IF	CITATIONS
199	QBIST: Quantum Built-in Self-Test for any Boolean Circuit. VLSI Test Symposium (VTS), Proceedings, IEEE, 2008, , .	1.0	4
200	Introducing P2P architecture in adaptive covert communication system. , 2009, , .		4
201	Ubiquitous IMS emergency services over cooperative heterogeneous networks. , 2009, , .		4
202	QUANTUM SECURE DIRECT COMMUNICATION WITH A CONSTANT NUMBER OF EPR PAIRS. International Journal of Quantum Information, 2010, 08, 1355-1371.	1.1	4
203	Applying verification intention for design customization via property mining under constrained testbenches. , 2011, , .		4
204	Optimal self boundary recognition with two-hop information for ad hoc networks. , 2012, , .		4
205	Resource Block Assignment for Interference Avoidance in Femtocell Networks. , 2012, , .		4
206	Video-based on-road driving safety system with lane detection and vehicle detection. , 2012, , .		4
207	Throughput improvement of multi-hop wireless mesh networks with cooperative opportunistic routing. , 2012, , .		4
208	Quantum blind signature based on quantum circuit. , 2014, , .		4
209	PCTopk: Privacy-and Correctness-Preserving Functional Top-k Query on Un-trusted Data Storage in Two-Tiered Sensor Networks. , 2014, , .		4
210	Device-free non-invasive front-door event classification algorithm for forget event detection using binary sensors in the smart house. , 2017, , .		4
211	Efficient Reflection Removal Algorithm for Single Image by Pixel Compensation and Detail Reconstruction. , 2018, , .		4
212	Hierarchical Abnormal-Node Detection Using Fuzzy Logic for ECA Rule-Based Wireless Sensor Networks. , 2018, , .		4
213	Adaptive Repetition Scheme with Machine Learning for 3GPP NB-IoT. , 2018, , .		4
214	Abnormal-Node Detection Based on Spatio-Temporal and Multivariate-Attribute Correlation in Wireless Sensor Networks. , 2018, , .		4
215	An Efficient Single Image Enhancement Approach Using Luminance Perception Transformation. IEEE Transactions on Emerging Topics in Computing, 2021, 9, 1083-1094.	4.6	4
216	Dithering Skip Modulator with a Novel Load Sensor for Ultra-wide-load High-Efficiency DC-DC Converters. , 2006, , .		4

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217	A wavelength encoded multichannel optical bus for local area networks. Journal of Lightwave Technology, 1996, 14, 315-323.	4.6	3
218	A checkpointing tool for Palm operating system. , 0, , .		3
219	Title is missing!. Photonic Network Communications, 2003, 6, 223-238.	2.7	3
220	An efficient perfect algorithm for memory repair problems. , 0, , .		3
221	A generalized methodology for low-error and area-time efficient fixed width booth multipliers. , 0, , .		3
222	Enhanced UPnP Control and Management in a Campus Network. , 2007, , .		3
223	A Constrained Function Based Message Authentication Scheme for Sensor Networks. , 2009, , .		3
224	Malware Profiler Based on Innovative Behavior-Awareness Technique. , 2011, , .		3
225	Reversible quantum circuits and quantum transmission integrity. , 2011, , .		3
226	A parallel processing algorithm for Schnorr-Euchner sphere decoder. , 2012, , .		3
227	Moving Object Extraction Using Compressed Domain Features of H.264 INTRA Frames. , 2012, , .		3
228	Privacy- and integrity-preserving range query in wireless sensor networks. , 2012, , .		3
229	Top-k query result completeness verification in sensor networks. , 2013, , .		3
230	A Programming Framework for Implementing Fault-Tolerant Mechanism in IoT Applications. Lecture Notes in Computer Science, 2015, , 771-784.	1.3	3
231	Handling Nondeterminism in Logic Simulation so That Your Waveform Can Be Trusted Again. IEEE Design and Test, 2016, 33, 63-71.	1.2	3
232	Toward Fog-Based Event-Driven Services for Internet of Vehicles: Design and Evaluation. Lecture Notes in Computer Science, 2017, , 201-212.	1.3	3
233	MAS: Mobile-Apps Assessment and Analysis System. , 2017, , .		3
234	Benchmarking Dynamic Searchable Symmetric Encryption with Search Pattern Hiding. , 2019, , .		3

#	ARTICLE	IF	CITATIONS
235	Benchmarking Dynamic Searchable Symmetric Encryption Scheme for Cloud-Internet of Things Applications. IEEE Access, 2020, 8, 1715-1732.	4.2	3
236	A simple and efficient deadlock recovery scheme for wormhole routed 2-dimensional meshes. , 0, , .		2
237	An accelerative pre-allocation protocol for wavelength division multiplexing star-coupled networks. , 0, , .		2
238	Novel fault-tolerant techniques for high capacity RAMs. , 0, , .		2
239	Dependable wavelength routing with spare rerouting in all-optical WDM networks. , 0, , .		2
240	Direction-aware routing protocol for mobile ad hoc networks. , 0, , .		2
241	A low overhead checkpointing protocol for mobile computing systems. , 0, , .		2
242	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
243	A simulation-based temporal assertion checker for PSL. , 0, , .		2
244	Load-balanced anycast routing. , 0, , .		2
245	A Framework for the Design of Error-Aware Power-Efficient Fixed-Width Booth Multipliers. , 0, , .		2
246	Quantum Entanglement and Its Applications on Secure Computation. , 2006, , .		2
247	Quantum boolean circuit is 1-testable. , 2007, , .		2
248	Habitual Behavior-Based Opportunistic Data Forwarding in Wildlife Tracking. , 2007, , .		2
249	A Randomized Distributed Algorithm for Peer-to-Peer Data Replication in Wireless Ad Hoc Networks. , 2007, , .		2
250	Guest editorial peer-to-peer communications and applications. IEEE Journal on Selected Areas in Communications, 2007, 25, 1-4.	14.0	2
251	Improving Boolean Circuit Testing by using Quantum Search. , 2008, , .		2
252	Implementation of OpenWrt-based IP PnP gateway. , 2008, , .		2

#	ARTICLE	IF	CITATIONS
253	Increasing Service Availability in a Wireless Home Network Environment. Computer Journal, 2009, 52, 851-860.	2.4	2
254	Scalable and bijective cells for C-testable iterative logic array architectures. IET Circuits, Devices and Systems, 2009, 3, 172-181.	1.4	2
255	Quantum Transmission Integrity Mechanism for Indirect Communication. , 2009, , .		2
256	Constraint generation for software-based post-silicon bug masking with scalable resynthesis technique for constraint optimization. , 2011, , .		2
257	Quantum circuits and quantum message integrity. , 2011, , .		2
258	An efficient approach to extract moving objects by the H.264 compressed-domain features. , 2012, , .		2
259	Quantum Blind Computation with Teleportation-based Computation. , 2012, , .		2
260	Optimal Frequency Offsets with Doppler Spreads in Mobile OFDM System. , 2012, , .		2
261	Mobile IMS Integration of the Internet of Things in Ecosystem. , 2013, , .		2
262	An automatic motion detection algorithm for transport monitoring systems. , 2013, , .		2
263	Investigating DNS traffic anomalies for malicious activities. , 2013, , .		2
264	Dependable Architecture of RFID Middleware on Networked RFID Systems. , 2013, , .		2
265	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
266	Design and application of novel morphological filter used in vehicle detection. , 2016, , .		2
267	Quality of Service Management for Home Networks Using Online Service Response Prediction. IEEE Internet of Things Journal, 2017, 4, 1773-1786.	8.7	2
268	Restoration from Multiple Faults in WDM Networks without Wavelength Conversion. Lecture Notes in Computer Science, 2001, , 317-325.	1.3	2
269	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
270	LRG-Net: Lightweight Residual Grid Network for Modeling Electrical Induction Motor Dynamics. , 2021, , .		2

#	ARTICLE	IF	CITATIONS
271	High-speed wavelength encoded multiple-channel optical buses for LAN. , 0, , .		1
272	Fault tolerance in hyperbus and hypercube multiprocessors using partitioning scheme. , 0, , .		1
273	Easily testable data path allocation using input/output registers. , 0, , .		1
274	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
275	Cache management of dynamic source routing for fault tolerance in mobile ad hoc networks. , 0, , .		1
276	A Low-Error and Area-Time Efficient Fixed-Width Booth Multiplier. , 0, , .		1
277	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
278	Reliability evaluation of dependable distributed computing systems based on recursive merge and BDD. , 0, , .		1
279	Quantum boolean circuits construction using tabulation method. , 0, , .		1
280	An efficient algorithm for reconfiguring shared spare RRAM. , 0, , .		1
281	An Area-Efficient Architecture of Reed-Solomon Codec for Advanced RAID Systems. , 0, , .		1
282	Efficient exact spare allocation via Boolean satisfiability. , 0, , .		1
283	Performing authenticated encryption with nanoscale phenomenon. , 0, , .		1
284	Improving the network flow problem using quantum search. , 2007, , .		1
285	Dependabilities in a High-performance Quantum Real-time Distributed System. , 2007, , .		1
286	Quantum Entanglement, Non-Locality and Secure Computation. , 2007, , .		1
287	Examining Web-Based Spyware Invasion with Stateful Behavior Monitoring. , 2007, , .		1
288	Secure quantum packet transmission mechanism for wireless networks. , 2008, , .		1

#	ARTICLE	IF	CITATIONS
289	Novel C-testable design for H.264 Integer Motion Estimation. , 2008, , .		1
290	Design-for-testability techniques for CORDIC design. Microelectronics Journal, 2009, 40, 1436-1440.	2.0	1
291	Design-for-Testability Techniques for Arithmetic Circuits. , 2009, , .		1
292	Effective design-for-testability techniques for H.264 all-binary integer motion estimation. IET Circuits, Devices and Systems, 2010, 4, 403.	1.4	1
293	Facilitating unreachable code diagnosis and debugging. , 2011, , .		1
294	Dependability Enhancement of Reactor Containment in Safety Critical Nuclear Power Plants. , 2011, , .		1
295	Formal reset recovery slack calculation at the register transfer level. , 2011, , .		1
296	An efficient code gateway for RFID seamless applications. International Journal of Network Management, 2012, 22, 150-161.	2.2	1
297	A Compiler Design Technique for Impulsive VDD Current Minimization. IEEE Transactions on Electromagnetic Compatibility, 2013, 55, 855-866.	2.2	1
298	Mining Large Network Reconnaissance Data. , 2013, , .		1
299	Fast car/human classification methods in the computer vision tasks. Proceedings of SPIE, 2013, , .	0.8	1
300	Quantum walks for crossed cubes. , 2013, , .		1
301	A block restriction method using guided image filter for Local Histogram Equalization. , 2015, , .		1
302	Scheduling-Aware Data Prefetching for Data Processing Services in Cloud. , 2017, , .		1
303	Association Rule Mining with Differential Privacy. , 2020, , .		1
304	Image Dehazing in Disproportionate Haze Distributions. IEEE Access, 2021, 9, 44599-44609.	4.2	1
305	Constructions of link-fault-tolerant q-ary k-cube networks. Electronics Letters, 1997, 33, 1025.	1.0	1
306	Interfered Users Protection Algorithm for Self-Organizing Networks. Journal of Communications, 2017, , .	1.6	1

#	ARTICLE	IF	CITATIONS
307	In-Memory Computing Architecture for a Convolutional Neural Network Based on Spin Orbit Torque MRAM. Electronics (Switzerland), 2022, 11, 1245.	3.1	1
308	Fault management for adjustable pre-allocation wavelength division multi-access systems. , 0, , .		0
309	Error Recovery in Parallel Systems of Pipelined Processors with Caches. , 1994, , .		0
310	An efficient PRPG strategy by utilizing essential faults. , 0, , .		0
311	Efficient shared buffer optical stars for bursty traffic and fault tolerance in 3-stage ATM switches. , 0, , .		0
312	Synchronous flow control in wormhole routed optical networks. , 0, , .		0
313	A TDM-based control mechanism with group interleaved control channel for wavelength division multiplexing networks. , 0, , .		0
314	Fault tolerant crossconnect and wavelength routing in all-optical networks. , 0, , .		0
315	Failure detection mechanism for distributed object computing using CORBA. , 0, , .		0
316	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
317	A two-level TDM access protocol for IP support in WDM optical networks. , 0, , .		0
318	An efficient functional verification method for quantum boolean circuits. , 0, , .		0
319	Group Partition and Restoration Strategies for Survivable WDM Networks. , 0, , .		0
320	Efficient restoration scheduling in survivable WDM networks. , 2005, , .		0
321	A scheme to enhance the error-correcting capability of encoded quantum information. , 0, , .		0
322	Dynamic survivable RWA strategy on IP over WDM networks. , 0, , .		0
323	Guest Editorial Wireless Overlay Networks Based on Mobile IPv6. IEEE Journal on Selected Areas in Communications, 2005, 23, 2089-2092.	14.0	0
324	Current Path Analysis for Electrostatic Discharge Protection. IEEE/ACM International Conference on Computer-Aided Design, Digest of Technical Papers, 2006, , .	0.0	0

#	ARTICLE	IF	CITATIONS
325	The Survivability of the Augmented Logical Ring Topology in WDM Networks. , 2006, , .		0
326	A functional verification environment for advanced switching architecture. , 2006, , .		0
327	Quantum Authentication and Secure Communication Protocols. , 0, , .		0
328	Quantum Entanglement and Its Applications on Secure Computation. , 0, , .		0
329	Extension headers for IPv6 anycast. Computer Communications, 2006, 29, 3013-3019.	5.1	0
330	Scalable arithmetic cells for iterative logic array. , 2008, , .		0
331	Dynamic home agent assignment in peer-to-peer overlay networks. , 2009, , .		0
332	Quantum signature mechanism with GHZ states. , 2009, , .		0
333	Order-based localization scheme in ad hoc sensor networks. , 2009, , .		0
334	Real-Time Video-Based Lane Tracing System with the Sliding Focus Window. , 2011, , .		0
335	Interference mitigation through self-organization in OFDMA femtocells. , 2011, , .		0
336	Message from the general chair and conference coordinator. , 2011, , .		0
337	Editorial: Special Issue on Intelligent RFID Network and Innovative Applications. Wireless Personal Communications, 2011, 59, 1-4.	2.7	0
338	Order-Based Localization Scheme for Ad Hoc Sensor Networks. , 2011, , .		0
339	Reactor Containment Dependability Analysis in Safety Critical Nuclear Power Plants: Design, Implementation and Experience. , 2011, , .		0
340	Quantum circuit and Byzantine generals problem. , 2012, , .		0
341	Visual saliency-aware radio resource allocation for image transmission in SC-FDMA systems. , 2012, , .		0
342	Socio-organism inspired model forming multi-level computational scheme for integrated IoT service architecture. , 2012, , .		0

#	ARTICLE	IF	CITATIONS
343	Quantum switching and quantum walks. , 2013, , .		0
344	Node detection and message integrity through quantum circuits. , 2013, , .		0
345	Multi-element antenna with close spacing for highly mobile OFDM systems. , 2013, , .		0
346	A novel quantum key in distributed networks. , 2014, , .		0
347	Smart and Cooperative Sensor Networks. International Journal of Distributed Sensor Networks, 2014, 10, 789352.	2.2	0
348	Outage Users First Cell Outage Compensation Algorithm for Self-Organizing Networks. , 2017, , .		0
349	Foreword for the Industry Track. , 2018, , .		0
350	Path controllability analysis for high quality designs. , 2019, , .		0
351	A Secure Quantum Communication Protocol Using Insecure Public Channels. IFIP Advances in Information and Communication Technology, 2005, , 113-126.	0.7	0
352	An Architectural Perspective on Digital Quantum Switching. , 2010, , 373-384.		0
353	Spare Allocation/Reconfiguration for WSI. , 1989, , 119-191.		0
354	Integrated Heterogeneous Infrastructure for Indoor Positioning. Lecture Notes in Computer Science, 2016, , 249-256.	1.3	0
355	Design and implementation of a high speed parallel architecture for ATM UNI. , 0, , .		0
356	All Characteristics Preservation: Single Image Dehazing based on Hierarchical Detail Reconstruction Wavelet Decomposition Network. , 2021, , .		0