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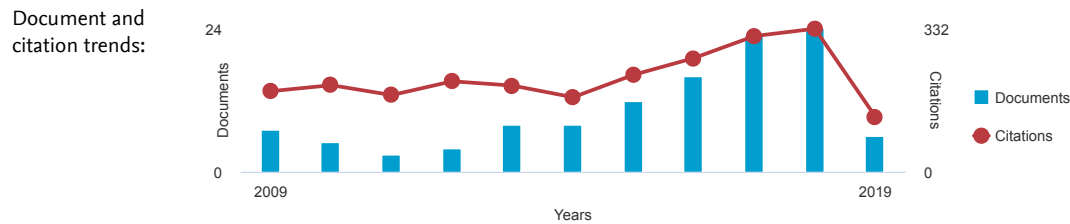
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Edge Computing based GPS Spoofing Detection Methods	Wang, Q., Lu, Z., Gao, M., Qu, G.	2019	International Conference on Digital Signal Processing, DSP 2018-November,8631600	0
View abstract ▼ Full Text Finder View at Publisher Related documents				
An Entropy Analysis Based Intrusion Detection System for Controller Area Network in Vehicles	Wang, Q., Lu, Z., Qu, G.	2019	International System on Chip Conference 2018-September,8618564, pp. 174-179	0

Document title	Authors	Year	Source	Cited by
View abstract  Full Text Finder View at Publisher Related documents				
A delay based plug-in-monitor for Intrusion Detection in Controller Area Network	Wang, Q., Qian, Y., Lu, Z., Shoukry, Y., Qu, G.	2019	Proceedings of the 2018 Asian Hardware Oriented Security and Trust Symposium, AsianHOST 2018 8607178, pp. 86-91	0
View abstract  Full Text Finder View at Publisher Related documents				
Approximate computing and its application to hardware security (Chapter)	Book Liu, W., Gu, C., Qu, G., O'Neill, M.	2018	<i>Cyber-Physical Systems Security</i> pp. 43-67	0
View abstract  Full Text Finder View at Publisher Related documents				
A New Scheme to Extract PUF Information by Scan Chain	Cui, A., Zhou, W., Qu, G., Li, H.	2018	Proceedings of the Asian Test Symposium 2018-October,8567419, pp. 104-108	0
View abstract  Full Text Finder View at Publisher Related documents				
Memristors for Secret Sharing-Based Lightweight Authentication	Arafın, M.T., Qu, G.	2018	IEEE Transactions on Very Large Scale Integration (VLSI) Systems 26(12),8345331, pp. 2671-2683	0
View abstract  Full Text Finder View at Publisher Related documents				
Balancing testability and security by configurable partial scan design	Chen, X., Aramoon, O., Qu, G., Cui, A.	2018	Proceedings - 2nd IEEE International Test Conference in Asia, ITC-Asia 2018 8462963, pp. 145-150	0
View abstract  Full Text Finder View at Publisher Related documents				
BARS: A Blockchain-Based Anonymous Reputation System for Trust Management in VANETs	Lu, Z., Wang, Q., Qu, G., Liu, Z.	2018	Proceedings - 17th IEEE International Conference on Trust, Security and Privacy in Computing and Communications and 12th IEEE International Conference on Big Data Science and Engineering, Trustcom/BigDataSE 2018 8455893, pp. 98-103	3
View abstract  Full Text Finder View at Publisher Related documents				
Partial Scan Design Against Scan-Based Side Channel Attacks	Chen, X., Lu, Z., Qu, G., Cui, A.	2018	Proceedings - 17th IEEE International Conference on Trust, Security and Privacy in Computing and Communications and 12th IEEE International Conference on Big Data Science and Engineering, Trustcom/BigDataSE 2018 8456077, pp. 1484-1489	1
View abstract  Full Text Finder View at Publisher Related documents				
A privacy-preserving trust model based on blockchain for VANETs	Lu, Z., Liu, W., Wang, Q., Qu, G., Liu, Z.	2018	IEEE Access 6,8428638, pp. 45655-45664	6
View abstract  Full Text Finder View at Publisher Related documents				
Towards a Formal and Quantitative Evaluation Framework for Circuit Obfuscation Methods	Wang, X., Zhou, Q., Cai, Y., Qu, G.	2018	IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems Article in Press	0
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Control Flow Integrity Based on Lightweight Encryption Architecture	Qiu, P., Lyu, Y., Zhang, J., Wang, D., Qu, G.	2018	IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems 37(7), pp. 1358-1369	1

Document title	Authors	Year	Source	Cited by
View abstract  Full Text Finder View at Publisher Related documents				
A machine learning attack resistant dual-mode PUF	Wang, Q., Gao, M., Qu, G.	2018	Proceedings of the ACM Great Lakes Symposium on VLSI, GLSVLSI pp. 177-182	0
View abstract  Full Text Finder View at Publisher Related documents				
A novel PolymorphicGate based circuit fingerprinting technique	Wang, T., Cui, X., Yu, D., (...), Qu, G., Cui, X.	2018	Proceedings of the ACM Great Lakes Symposium on VLSI, GLSVLSI pp. 141-146	0
View abstract  Full Text Finder View at Publisher Related documents				
Welcome Message	Qu, G., You, Z., Jin, Y.	2018	Proceedings of the 2017 Asian Hardware Oriented Security and Trust Symposium, AsianHOST 2017 2018-May, pp. 2-3	0
Full Text Finder View at Publisher				
A practical cold boot attack on RSA private keys	Wang, T., Cui, X., Ni, Y., (...), Cui, X., Qu, G.	2018	Proceedings of the 2017 Asian Hardware Oriented Security and Trust Symposium, AsianHOST 2017 2018-May, pp. 55-60	0
View abstract  Full Text Finder View at Publisher Related documents				
A reconfigurable scan network based ic identification for embedded devices	Aramoon, O., Chen, X., Qu, G.	2018	Proceedings of the 2018 Design, Automation and Test in Europe Conference and Exhibition, DATE 2018 2018-January, pp. 479-484	2
View abstract  Full Text Finder View at Publisher Related documents				
D-S evidence theory based trust ant colony routing in WSN	Sun, Z., Zhang, Z., Xiao, C., Qu, G.	2018	China Communications 15(3), pp. 27-41	1
View abstract  Full Text Finder View at Publisher Related documents				
A conflict-free approach for parallelizing SAT-based de-camouflaging attacks	Wang, X., Zhou, Q., Cai, Y., Qu, G.	2018	Proceedings of the Asia and South Pacific Design Automation Conference, ASP-DAC 2018-January, pp. 259-264	1
View abstract  Full Text Finder View at Publisher Related documents				
A low-overhead PUF based on parallel scan design	Wang, W., Cui, A., Qu, G., Li, H.	2018	Proceedings of the Asia and South Pacific Design Automation Conference, ASP-DAC 2018-January, pp. 715-720	2
View abstract  Full Text Finder View at Publisher Related documents				
Polymorphic gate based IC watermarking techniques	Wang, T., Cui, X., Yu, D., (...), Qu, G., Cui, X.	2018	Proceedings of the Asia and South Pacific Design Automation Conference, ASP-DAC 2018-January, pp. 90-96	1
View abstract  Full Text Finder View at Publisher Related documents				
How to secure scan design against scan-based side-channel attacks?	Zhou, W., Cui, A., Li, H., Qu, G.	2018	Proceedings of the Asian Test Symposium pp. 116-121	0
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Document title	Authors	Year	Source	Cited by
A new active IC metering technique based on locking scan cells	Cui, A., Qian, X., Qu, G., Li, H.	2018	Proceedings of the Asian Test Symposium pp. 36-41	0
View abstract Full Text Finder View at Publisher Related documents				
Estimate and Recompute: A Novel Paradigm for Approximate Computing on Data Flow Graphs	Gao, M., Qu, G.	2018	IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems Article in Press	0
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A Silicon PUF based Entropy Pump	Wang, Q., Qu, G.	2018	IEEE Transactions on Dependable and Secure Computing Article in Press	0
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Parallelizing SAT-based de-camouflaging attacks by circuit partitioning and conflict avoiding	Wang, X., Zhou, Q., Cai, Y., Qu, G.	2018	Integration Article in Press	0
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Spear and Shield: Evolution of Integrated Circuit Camouflaging	Wang, X.-Y., Zhou, Q., Cai, Y.-C., Qu, G.	2018	Journal of Computer Science and Technology 33(1), pp. 42-57	0
View abstract Full Text Finder View at Publisher Related documents				
Energy efficient runtime approximate computing on data flow graphs	Gao, M., Qu, G.	2017	IEEE/ACM International Conference on Computer-Aided Design, Digest of Technical Papers, ICCAD 2017-November, pp. 902-907	0
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Energy efficient runtime approximate computing on data flow graphs	Gao, M., Qu, G.	2017	IEEE/ACM International Conference on Computer-Aided Design, Digest of Technical Papers, ICCAD 2017-November, pp. 444-449	0
View abstract Full Text Finder View at Publisher Related documents				
A novel approximate computing based security primitive for the Internet of Things	Gao, M., Qu, G.	2017	Proceedings - IEEE International Symposium on Circuits and Systems 8050360	2
View abstract Full Text Finder View at Publisher Related documents				
Practical IP watermarking and fingerprinting methods for ASIC designs	Chen, X., Qu, G., Cui, A.	2017	Proceedings - IEEE International Symposium on Circuits and Systems 8050604	2
View abstract Full Text Finder View at Publisher Related documents				
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View abstract Full Text Finder View at Publisher Related documents				
A Scalable and Resilient Microarchitecture Based on Multiport Binding for High-Radix Router Design	Dai, Y., Wang, K., Qu, G., (...), Dong, D., Qi, X.	2017	Proceedings - 2017 IEEE 31st International Parallel and Distributed Processing Symposium, IPDPS 2017 7967132, pp. 429-438	1












Document title	Authors	Year	Source	Cited by
View abstract  Full Text Finder View at Publisher Related documents				
Welcome Message	Qu, G., Kastner, R., Bhunia, S.	2017	Proceedings of the 2017 IEEE International Symposium on Hardware Oriented Security and Trust, HOST 2017 7951728, pp. ii-iii	0
Full Text Finder View at Publisher				
Functional obfuscation of digital circuits using observability don't care conditions	Awan, S.M., Rashid, S., Mingze, G., Qu, G.	2017	2016 IEEE International Conference on Information and Automation for Sustainability: Interoperable Sustainable Smart Systems for Next Generation, ICIAFS 2016 7946577	1
View abstract  Full Text Finder View at Publisher Related documents				
Group Cooperation with Optimal Resource Allocation in Wireless Powered Communication Networks	Xiong, K., Chen, C., Qu, G., Fan, P., Letaief, K.B.	2017	IEEE Transactions on Wireless Communications 16(6),7889030, pp. 3840-3853	37
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DoS attacks and countermeasures on network devices	Wang, Q., Dunlap, T., Cho, Y., Qu, G.	2017	2017 26th Wireless and Optical Communication Conference, WOCC 2017 7928974	2
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A low-cost GPS spoofing detector design for Internet of Things (IoT) applications	Arafin, M.T., Anand, D., Qu, G.	2017	Proceedings of the ACM Great Lakes Symposium on VLSI, GLSVLSI Part F127756, pp. 161-166	4
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An empirical study on gate camouflaging methods against circuit partition attack	Wang, X., Zhou, Q., Cai, Y., Qu, G.	2017	Proceedings of the ACM Great Lakes Symposium on VLSI, GLSVLSI Part F127756, pp. 345-350	0
View abstract  Full Text Finder View at Publisher Related documents				
Scan chain based IP fingerprint and identification	Chen, X., Qu, G., Cui, A., Dunbar, C.	2017	Proceedings - International Symposium on Quality Electronic Design, ISQED 7918326, pp. 264-270	5
View abstract  Full Text Finder View at Publisher Related documents				
Welcome	Cline, B.T., Heinrich-Barna, S., Wright, P.J., (...), Ghosh, S., Iranmanesh, A.A.	2017	Proceedings - International Symposium on Quality Electronic Design, ISQED 7918277	0
Full Text Finder View at Publisher				
New Methods of Template Attack Based on Fault Sensitivity Analysis	Wang, Q., Wang, A., Qu, G., Zhang, G.	2017	IEEE Transactions on Multi-Scale Computing Systems 3(2),7805342, pp. 113-123	4
View abstract  Full Text Finder View at Publisher Related documents				
VOLtA: Voltage over-scaling based lightweight authentication for IoT applications	Arafin, M.T., Gao, M., Qu, G.	2017	Proceedings of the Asia and South Pacific Design Automation Conference, ASP-DAC 7858345, pp. 336-341	9
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Document title	Authors	Year	Source	Cited by
A novel data format for approximate arithmetic computing	Gao, M., Wang, Q., Nagendra, A.S.K., Qu, G.	2017	Proceedings of the Asia and South Pacific Design Automation Conference, ASP-DAC 7858354, pp. 390-395	6
View abstract Full Text Finder View at Publisher Related documents				
An ultra-low overhead LUT-based PUF for FPGA	Wang, J., Cui, A., Li, M., Qu, G., Li, H.	2017	Proceedings of the 2016 IEEE Asian Hardware Oriented Security and Trust Symposium, AsianHOST 2016 7835554	2
View abstract Full Text Finder View at Publisher Related documents				
Security through obscurity: Integrated circuit obfuscation using don't care conditions	Awan, S.M., Rashid, S., Gao, M., Qu, G.	2017	2016 International Conference on Control, Automation and Information Sciences, ICCAIS 2016 7822437, pp. 64-69	2
View abstract Full Text Finder View at Publisher Related documents				
Memristor-based security (Book Chapter)	Arafin, M.T., Qu, G.	2017	<i>Security Opportunities in Nano Devices and Emerging Technologies</i> pp. 55-72	0
View abstract Full Text Finder View at Publisher Related documents				
Why current secure scan designs fail and how to fix them?	Cui, A., Luo, Y., Li, H., Qu, G.	2017	Integration, the VLSI Journal 56, pp. 105-114	8
View abstract Full Text Finder View at Publisher Related documents				
Approximate computing for low power and security in the internet of things	Gao, M., Wang, Q., Arafin, M.T., Lyu, Y., Qu, G.	2017	Computer 50(6),7945174, pp. 27-34	14
View abstract Full Text Finder View at Publisher Related documents				
Gate camouflaging-based obfuscation (Book Chapter)	Wang, X., Gao, M., Zhou, Q., Cai, Y., Qu, G.	2017	<i>Hardware Protection through Obfuscation</i> pp. 89-102	2
View abstract Full Text Finder View at Publisher Related documents				
Rebuttal to "comments on 'A PUF-FSM Binding Scheme for FPGA IP Protection and Pay-Per-Device Licensing'"	Zhang, J., Qu, G.	2016	IEEE Transactions on Information Forensics and Security 11(11),7453150, pp. 2626-2627	0
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VLSI supply chain security risks and mitigation techniques: A survey	Liu, B., Qu, G.	2016	Integration, the VLSI Journal 55, pp. 438-448	8
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A new countermeasure against scan-based side-channel attacks	Luo, Y., Cui, A., Qu, G., Li, H.	2016	Proceedings - IEEE International Symposium on Circuits and Systems 2016-July,7538900, pp. 1722-1725	11
View abstract Full Text Finder View at Publisher Related documents				
An efficient framework for configurable RO PUF	Chen, Z., Cai, Y., Zhou, Q., Qu, G.	2016	Proceedings - IEEE International Symposium on Circuits and Systems 2016-July,7527347, pp. 742-745	1
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Document title	Authors	Year	Source	Cited by
Is the Secure IC camouflaging really secure?	Wang, X., Zhou, Q., Cai, Y., Qu, G.	2016	Proceedings - IEEE International Symposium on Circuits and Systems 2016-July,7538897, pp. 1710-1713	7
View abstract Full Text Finder View at Publisher Related documents				
Physical unclonable functions-based linear encryption against code reuse attacks	Qiu, P., Lyu, Y., Zhang, J., (...), Wang, D., Qu, G.	2016	Proceedings - Design Automation Conference 05-09-June-2016,a75	6
View abstract Full Text Finder View at Publisher Related documents				
WELCOME to ISQED 2016	Cline, B., Li, H.H., Qu, G., (...), Wright, P.J., Wesling, P.	2016	Proceedings - International Symposium on Quality Electronic Design, ISQED 2016-May,7479143, pp. 1	0
Full Text Finder View at Publisher				
Secret sharing and multi-user authentication: From visual cryptography to RRAM circuits	Arafin, M.T., Qu, G.	2016	Proceedings of the ACM Great Lakes Symposium on VLSI, GLSVLSI 18-20-May-2016, pp. 169-174	2
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Secure and low-overhead circuit obfuscation technique with multiplexers	Wang, X., Jia, X., Zhou, Q., (...), Gao, M., Qu, G.	2016	Proceedings of the ACM Great Lakes Symposium on VLSI, GLSVLSI 18-20-May-2016, pp. 133-136	9
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Reliable and Anti-cloning PUFs Based on Configurable Ring Oscillators	Gao, M., Lai, K., Zhang, J., (...), Cui, A., Zhou, Q.	2016	Proceedings - 2015 14th International Conference on Computer-Aided Design and Computer Graphics, CAD/Graphics 2015 7450416, pp. 194-201	3
View abstract Full Text Finder View at Publisher Related documents				
RRAM based lightweight user authentication	Arafin, M.T., Qu, G.	2016	2015 IEEE/ACM International Conference on Computer-Aided Design, ICCAD 2015 7372561, pp. 139-145	7
View abstract Full Text Finder View at Publisher Related documents				
DA systemization of knowledge: A catalog of prior forward-looking initiatives	Koushanfar, F., Mirhoseini, A., Qu, G., Zhang, Z.	2016	2015 IEEE/ACM International Conference on Computer-Aided Design, ICCAD 2015 7372578, pp. 255-262	2
View abstract Full Text Finder View at Publisher Related documents				
Detecting GNSS spoofing using a network of hardware oscillators	Arafin, M.T., Anand, D.M., Qu, G.	2016	Proceedings of the Annual Precise Time and Time Interval Systems and Applications Meeting, PTTI 2015-January, pp. 74-79	0
View abstract Full Text Finder View at Publisher Related documents				

Document title	Authors	Year	Source	Cited by
Group cooperation and resource allocation in wireless powered communication networks	Chen, C., Xiong, K., Qu, G., Fan, P.	2016	2016 IEEE Globecom Workshops, GC Wkshps 2016 - Proceedings 7848919	0
View abstract Full Text Finder View at Publisher Related documents				
On the mitigation of interference imposed by intruders in passive RFID networks	Tsiropoulou, E.E., Baras, J.S., Papavassiliou, S., Qu, G.	2016	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics) 9996 LNCS, pp. 62-80	7
View abstract Full Text Finder View at Publisher Related documents				
Ultra-Low Overhead Dynamic Watermarking on Scan Design for Hard IP Protection	Cui, A., Qu, G., Zhang, Y.	2015	IEEE Transactions on Information Forensics and Security 10(11),7154454, pp. 2298-2313	16
View abstract Full Text Finder View at Publisher Related documents				
Towards building trusted systems: Vulnerabilities, threats, and mitigation techniques (Book Chapter)	Dunbar, C., Qu, G.	2015	<i>Secure System Design and Trustable Computing</i> pp. 301-328	1
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A PUF-FSM Binding Scheme for FPGA IP Protection and Pay-Per-Device Licensing Open Access	Zhang, J., Lin, Y., Lyu, Y., Qu, G.	2015	IEEE Transactions on Information Forensics and Security 10(6),7031902, pp. 1137-1150	65
View abstract Full Text Finder View at Publisher Related documents				
A survey on security and trust of FPGA-based systems	Zhang, J., Qu, G.	2015	Proceedings of the 2014 International Conference on Field-Programmable Technology, FPT 2014 7082768, pp. 147-152	16
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A practical circuit fingerprinting method utilizing observability don't care conditions	Dunbar, C., Qu, G.	2015	Proceedings - Design Automation Conference 2015-July,7167298	8
View abstract Full Text Finder View at Publisher Related documents				
Design THINGS for the Internet of Things - An EDA perspective	Qu, G., Yuan, L.	2015	IEEE/ACM International Conference on Computer-Aided Design, Digest of Technical Papers, ICCAD 2015-January(January),7001384, pp. 411-416	19
View abstract Full Text Finder View at Publisher Related documents				
Satisfiability Don't Care condition based circuit fingerprinting techniques	Dunbar, C., Qu, G.	2015	20th Asia and South Pacific Design Automation Conference, ASP-DAC 2015 7059111, pp. 815-820	9
View abstract Full Text Finder View at Publisher Related documents				
Reconfigurable binding against FPGA replay attacks	Zhang, J., Lin, Y., Qu, G.	2015	ACM Transactions on Design Automation of Electronic Systems 20(2),33	16
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An improved scan design for minimization of test power under routing constraint	Cui, A., Yu, T., Qu, G., Li, M.	2015	Proceedings - IEEE International Symposium on Circuits and Systems 2015-July,7168712, pp. 629-632	3
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A scan design method based on two complementary connection styles to minimize test power	Cui, A., Yu, T., Li, M., Qu, G.	2015	Proceedings - IEEE International Symposium on Circuits and Systems 2015-July,7168711, pp. 625-628	1
View abstract Full Text Finder View at Publisher Related documents				
A survey on memristor modeling and security applications	Arafin, M.T., Dunbar, C., Qu, G., McDonald, N., Yan, L.	2015	Proceedings - International Symposium on Quality Electronic Design, ISQED 2015-April,7085466, pp. 440-447	11
View abstract Full Text Finder View at Publisher Related documents				
Template attack on masking AES based on fault sensitivity analysis	Wang, Q., Wang, A., Wu, L., Qu, G., Zhang, G.	2015	Proceedings of the 2015 IEEE International Symposium on Hardware-Oriented Security and Trust, HOST 2015 7140245, pp. 96-99	1
View abstract Full Text Finder View at Publisher Related documents				
Obtaining statistically random information from silicon physical unclonable functions Open Access	Yin, C.-E., Qu, G.	2014	IEEE Transactions on Emerging Topics in Computing 2(2),6786309, pp. 96-106	5
View abstract Full Text Finder View at Publisher Related documents				
A DTN routing protocol for vehicle location information protection	Dunbar, C., Qu, G.	2014	Proceedings - IEEE Military Communications Conference MILCOM 6956743, pp. 94-100	5
View abstract Full Text Finder View at Publisher Related documents				
Enhancing trust-aware routing by false alarm detection and recovery	Cho, Y., Qu, G.	2014	Proceedings - IEEE Military Communications Conference MILCOM 6956737, pp. 52-59	0
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Designing trusted embedded systems from finite state machines	Dunbar, C., Qu, G.	2014	ACM Transactions on Embedded Computing Systems 13,153	16
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A low-overhead dynamic watermarking scheme on scan design for easy authentication	Cui, A., Liang, W., Qu, G.	2014	Proceedings - IEEE International Symposium on Circuits and Systems 6865251, pp. 778-781	0
View abstract Full Text Finder View at Publisher Related documents				
A highly flexible ring oscillator puf	Gao, M., Lai, K., Qu, G.	2014	Proceedings - Design Automation Conference 2593072	43
View abstract Full Text Finder View at Publisher Related documents				
Trusted Integrated Circuits: The Problem and Challenges	Lv, Y.-Q., Zhou, Q., Cai, Y.-C., Qu, G.	2014	Journal of Computer Science and Technology 29(5), pp. 918-928	7












Document title	Authors	Year	Source	Cited by
View abstract  Full Text Finder View at Publisher Related documents				
A survey on silicon PUFs and recent advances in ring oscillator PUFs	Zhang, J.-L., Qu, G., Lv, Y.-Q., Zhou, Q.	2014	Journal of Computer Science and Technology 29(4), pp. 664-678	42
View abstract  Full Text Finder View at Publisher Related documents				
Design and implementation of a group-based RO PUF	Yin, C.-E., Qu, G., Zhou, Q.	2013	Proceedings -Design, Automation and Test in Europe, DATE 6513540, pp. 416-421	29
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Detection and prevention of selective forwarding-based denial-of-service attacks in WSNs Open Access	Cho, Y., Qu, G.	2013	International Journal of Distributed Sensor Networks 2013,205920	10
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Incorporating temperature-leakage interdependency into dynamic voltage scaling for real-time systems	Gu, J., Qu, G.	2013	Proceedings of the International Conference on Application-Specific Systems, Architectures and Processors 6567592, pp. 289-296	3
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Improving PUF security with regression-based distiller	Yin, C.-E., Qu, G.	2013	Proceedings - Design Automation Conference 184	24
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FADER: False alarm detection and recovery for trust-Aware routing in wireless sensor networks	Cho, Y., Qu, G.	2013	2013 International Conference on Connected Vehicles and Expo, ICCVE 2013 - Proceedings 6799871, pp. 647-648	2
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Pass and run: A privacy preserving delay tolerant network communication protocol for CyberVehicles	Dunbar, C., Gao, M., Qu, G.	2013	2013 International Conference on Connected Vehicles and Expo, ICCVE 2013 - Proceedings 6799911, pp. 840-841	3
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Design and implementation of a delay-based PUF for FPGA IP protection	Zhang, J., Wu, Q., Lyu, Y., (...), Lin, Y., Qu, G.	2013	Proceedings - 13th International Conference on Computer-Aided Design and Computer Graphics, CAD/Graphics 2013 6814985, pp. 107-114	19
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FPGA IP protection by binding finite state machine to physical unclonable function	Zhang, J., Lin, Y., Lyu, Y., (...), Zhou, Q., Bian, J.	2013	2013 23rd International Conference on Field Programmable Logic and Applications, FPL 2013 - Proceedings 6645555	12
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Scheduling for multi-core processor under process and temperature variation	Zhou, Z., Gu, J., Qu, G.	2012	Proceedings - IEEE 6th International Symposium on Embedded Multicore SoCs, MCSoc 2012 6354686, pp. 113-120	0
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Document title	Authors	Year	Source	Cited by
Global identification of peptidase specificity by multiplex substrate profiling	O'Donoghue, A.J., Alegra Eroy-Reveles, A.A., Knudsen, G.M., (...), Burlingame, A.L., Craik, C.S.	2012	Nature Methods 9(11), pp. 1095-1100	76
View abstract Full Text Finder View at Publisher Related documents				
Secure hardware IPs by digital watermark (Book Chapter)	Qu, G., Yuan, L.	2012	<i>Introduction to Hardware Security and Trust</i> 9781441980809, pp. 123-141	2
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Insider threats against trust mechanism with watchdog and defending approaches in wireless sensor networks	Cho, Y., Qu, G., Wu, Y.	2012	Proceedings - IEEE CS Security and Privacy Workshops, SPW 2012 6227697, pp. 134-141	37
View abstract Full Text Finder View at Publisher Related documents				
Improving dual V _t technology by simultaneous gate sizing and mechanical stress optimization	Gu, J., Qu, G., Yuan, L., Zhuo, C.	2011	IEEE/ACM International Conference on Computer-Aided Design, Digest of Technical Papers, ICCAD 6105410, pp. 732-735	3
View abstract Full Text Finder View at Publisher Related documents				
An energy efficient adaptive event detection scheme for wireless sensor network	Zhou, Z., Qu, G.	2011	Proceedings of the International Conference on Application-Specific Systems, Architectures and Processors 6043276, pp. 235-238	2
View abstract Full Text Finder View at Publisher Related documents				
TALK: A temperature-aware leakage minimization technique for real-time systems	Yuan, L., Leventhal, S.R., Gu, J., Qu, G.	2011	IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems 30(10),6022017, pp. 1564-1568	9
View abstract Full Text Finder View at Publisher Related documents				
Enhancing dual-V _t design with consideration of on-chip temperature variation	Gu, J., Qu, G., Yuan, L.	2010	Proceedings - IEEE International Conference on Computer Design: VLSI in Computers and Processors 5647619, pp. 542-547	2
View abstract Full Text Finder View at Publisher Related documents				
Peak current reduction by simultaneous state replication and re-encoding	Gu, J., Qu, G., Yuan, L., Zhou, Q.	2010	IEEE/ACM International Conference on Computer-Aided Design, Digest of Technical Papers, ICCAD 5654204, pp. 592-595	9
View abstract Full Text Finder View at Publisher Related documents				
Field division routing Open Access	Drinić, M., Kirovski, D., Yuan, L., Qu, G., Potkonjak, M.	2010	Eurasip Journal on Wireless Communications and Networking 2010,560797	0
View abstract Full Text Finder View at Publisher Related documents				
LISA: Maximizing RO PUF's secret extraction	Yin, C.-E.D., Qu, G.	2010	Proceedings of the 2010 IEEE International Symposium on Hardware-Oriented Security and Trust, HOST 2010 5513105, pp. 100-105	63
View abstract Full Text Finder View at Publisher Related documents				










Document title	Authors	Year	Source	Cited by
Behavioral level dual-V _{th} design for reduced leakage power with thermal awareness	Yu, J., Zhou, Q., Qu, G., Bian, J.	2010	Proceedings -Design, Automation and Test in Europe, DATE 5457000, pp. 1261-1266	3
View abstract Full Text Finder Related documents				
Fingerprint - Iris fusion based identification system using a single hamming distance matcher	Baig, A., Bouridane, A., Kurugollu, F., Qu, G.	2009	International Journal of Bio-Science and Bio-Technology 1(1), pp. 47-58	16
View abstract Full Text Finder Related documents				
Fingerprint - Iris fusion based identification system using a single hamming distance matcher	Baig, A., Bouridane, A., Kurugollu, F., Qu, G.	2009	2009 International Symposium on Bio-inspired, Learning, and Intelligent Systems for Security, BLISS 2009 5376876, pp. 9-12	14
View abstract Full Text Finder View at Publisher Related documents				
An adaptive energy efficient transmission protocol in wireless ad-hoc network	Gu, J., Qu, G., Chen, T., Bouridane, A.	2009	Proceedings - 2009 NASA/ESA Conference on Adaptive Hardware and Systems, AHS 2009 5325441, pp. 281-288	1
View abstract Full Text Finder View at Publisher Related documents				
Temperature-aware cooperative ring oscillator puf	Yin, C.-E., Qu, G.	2009	2009 IEEE International Workshop on Hardware-Oriented Security and Trust, HOST 2009 5225055, pp. 36-42	78
View abstract Full Text Finder View at Publisher Related documents				
Mesh-of-trees and alternative interconnection networks for single-chip parallelism	Balkan, A.O., Qu, G., Vishkin, U.	2009	IEEE Transactions on Very Large Scale Integration (VLSI) Systems 17(10),4815529, pp. 1419-1432	20
View abstract Full Text Finder View at Publisher Related documents				
Leakage optimization using transistor-level dual threshold voltage cell library	Nagarajan, C.S., Yuan, L., Qu, G., Stamps, B.G.	2009	Proceedings of the 10th International Symposium on Quality Electronic Design, ISQED 2009 4810270, pp. 62-67	7
View abstract Full Text Finder View at Publisher Related documents				
Peak temperature reduction by physical information driven behavioral synthesis with resource usage allocation	Yu, J., Zhou, Q., Qu, G., Bian, J.	2009	IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences E92-A(12), pp. 3151-3159	0
View abstract Full Text Finder View at Publisher Related documents				
Minimizing point-to-point transmission energy with error correction coding and transmission power control	Gu, J., Qu, G., Yao, A., Bouridane, A.	2008	Proceedings of the 2008 International Conference on Advanced Infocomm Technology, ICAIT '08 132	1
View abstract Full Text Finder View at Publisher Related documents				
Energy efficient implementation of G.729 for wireless VoIP application	Yao, A., Gu, J., Qu, G., Bhattacharyya, S.	2008	Proceedings of the 2008 International Conference on Advanced Infocomm Technology, ICAIT '08 133	2
View abstract Full Text Finder View at Publisher Related documents				

Document title	Authors	Year	Source	Cited by
A power efficient path key establishment algorithm for wireless sensor networks	Mehallegue, N., Garcia, E., Bouridane, A., Qu, G.	2008	Proceedings of the 2008 NASA/ESA Conference on Adaptive Hardware and Systems, AHS 2008 4584309, pp. 475-481	1
View abstract Full Text Finder View at Publisher Related documents				
A hardware-assisted data hiding based approach in building high performance secure execution systems	Taylor, M., Yin, C.-E., Wu, M., Qu, G.	2008	2008 IEEE International Workshop on Hardware-Oriented Security and Trust, HOST 4559062, pp. 93-96	0
View abstract Full Text Finder View at Publisher Related documents				
An area-efficient high-throughput hybrid interconnection network for single-chip parallel processing	Balkan, A.O., Qu, G., Vishkin, U.	2008	Proceedings - Design Automation Conference 4555857, pp. 435-440	16
View abstract Full Text Finder View at Publisher Related documents				
An FSM reengineering approach to sequential circuit synthesis by state splitting	Yuan, L., Qu, G., Villa, T., Sangiovanni-Vincentelli, A.	2008	IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems 27(6),4526752, pp. 1159-1164	24
View abstract Full Text Finder View at Publisher Related documents				
Power management of multicore multiple voltage embedded systems by task scheduling	Qu, G.	2007	Proceedings of the International Conference on Parallel Processing Workshops 4346392	15
View abstract Full Text Finder View at Publisher Related documents				
ALT-DVS: Dynamic voltage scaling with awareness of leakage and temperature for real-time systems	Yuan, L., Qu, G.	2007	Proceedings - 2007 NASA/ESA Conference on Adaptive Hardware and Systems, AHS-2007 4291982, pp. 660-667	20
View abstract Full Text Finder View at Publisher Related documents				
Simultaneous input vector selection and dual threshold voltage assignment for static leakage minimization	Yuan, L., Qu, G.	2007	IEEE/ACM International Conference on Computer-Aided Design, Digest of Technical Papers, ICCAD 4397322, pp. 548-551	5
View abstract Full Text Finder View at Publisher Related documents				
Layout-accurate design and implementation of a high-throughput interconnection network for single-chip parallel processing	Balkan, A.O., Horak, M.N., Qu, G., Vishkin, U.	2007	Proceedings - 15th Annual IEEE Symposium on High-Performance Interconnects, HOT Interconnects 4296804, pp. 21-28	23
View abstract Full Text Finder View at Publisher Related documents				
Improving key distribution for wireless sensor networks	Mehallegue, N., Garcia, E., Bouridane, A., Qu, G.	2007	Proceedings - 2007 NASA/ESA Conference on Adaptive Hardware and Systems, AHS-2007 4291904, pp. 82-88	7
View abstract Full Text Finder View at Publisher Related documents				
A new approach towards solving the location discovery problem in wireless sensor networks	Han, G., Qu, G., Hua, S.	2007	Proceedings - IEEE Military Communications Conference MILCOM 4086372	0
View abstract Full Text Finder View at Publisher Related documents				



Document title	Authors	Year	Source	Cited by
Low power system design by combining software prefetching and dynamic voltage scaling	Pamnani, S.N., Agarwal, D.N., Qu, G., Yeung, D.	2007	Journal of Circuits, Systems and Computers 16(5), pp. 745-767	1
View abstract  Full Text Finder View at Publisher Related documents				
Embedded digital signal processing systems	Takala, J., Bhattacharyya, S.S., Qu, G.	2007	Eurasip Journal on Embedded Systems 2007,27517	0
Full Text Finder View at Publisher				
Probabilistic Design of Multimedia Embedded Systems	Hua, S., Qu, G., Bhattacharyya, S.S.	2007	ACM Transactions on Embedded Computing Systems 6(3), pp. 15	7
View abstract  Full Text Finder View at Publisher Related documents				
VLSI design IP protection: Solutions, new challenges, and opportunities	Yuan, L., Qu, G., Ghouti, L., Bouridane, A.	2006	Proceedings - First NASA/ESA Conference on Adaptive Hardware and Systems, AHS 2006 2006,1638202, pp. 469-476	21
View abstract  Full Text Finder View at Publisher Related documents				
Temperature-aware leakage minimization technique for real-time systems	Yuan, L., Leventhal, S., Qu, G.	2006	IEEE/ACM International Conference on Computer-Aided Design, Digest of Technical Papers, ICCAD 4110119, pp. 761-764	52
View abstract  Full Text Finder View at Publisher Related documents				
A mesh-of-trees interconnection network for single-chip parallel processing	Balkan, A.O., Qu, G., Vishkin, U.	2006	Proceedings of the International Conference on Application-Specific Systems, Architectures and Processors 4019494, pp. 73-80	48
View abstract  Full Text Finder View at Publisher Related documents				
Dual-processor design of energy efficient fault-tolerant system	Hua, S., Pari, P.R., Qu, G.	2006	Proceedings of the International Conference on Application-Specific Systems, Architectures and Processors 4019522, pp. 239-244	5
View abstract  Full Text Finder View at Publisher Related documents				
Actuator-based infield sensor calibration	Feng, J., Qu, G., Potkonjak, M.	2006	IEEE Sensors Journal 6(6), pp. 1571-1579	7
View abstract  Full Text Finder View at Publisher Related documents				
Energy-driven detection scheme with guaranteed accuracy	Yu, L., Yuan, L., Qu, G., Ephremides, A.	2006	Proceedings of the Fifth International Conference on Information Processing in Sensor Networks, IPSN '06 2006, pp. 284-291	28
View abstract  Full Text Finder View at Publisher Related documents				
Kernel density estimation-based data correlation	Feng, J., Qu, G., Potkonjak, M.	2006	IEEE Sensors Journal 6(4),1661581, pp. 974-980	1
View abstract  Full Text Finder View at Publisher Related documents				
Energy-Efficient Embedded Software Implementation on Multiprocessor System-on-Chip with Multiple Voltages	Hua, S., Qu, G., Bhattacharyya, S.S.	2006	ACM Transactions on Embedded Computing Systems 5(2), pp. 321-341	12

Document title	Authors	Year	Source	Cited by
View abstract  Full Text Finder View at Publisher Related documents				
A combined gate replacement and input vector control approach for leakage current reduction	Yuan, L., Qu, G.	2006	IEEE Transactions on Very Large Scale Integration (VLSI) Systems 14(2), pp. 173-182	58
View abstract  Full Text Finder View at Publisher Related documents				
VLSI CAD tool protection by birthmarking design solutions	Yuan, L., Qu, G., Srivastava, A.	2005	Proceedings of the ACM Great Lakes Symposium on VLSI, GLSVLSI P2.5, pp. 341-344	3
View abstract  Full Text Finder Related documents				
Power minimization techniques on distributed real-time systems by global and local slack management	Hua, S., Qu, G.	2005	Proceedings of the Asia and South Pacific Design Automation Conference, ASP-DAC 2,1466471, pp. 830-835	12
View abstract  Full Text Finder Related documents				
Analysis of energy reduction on dynamic voltage scaling-enabled systems	Yuan, L., Qu, G.	2005	IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems 24(12), pp. 1827-1837	59
View abstract  Full Text Finder View at Publisher Related documents				
Enhanced leakage reduction technique by gate replacement	Yuan, L., Qu, G.	2005	Proceedings - Design Automation Conference 4.4, pp. 47-50	19
View abstract  Full Text Finder Related documents				
FSM Re-engineering and its application in low power state encoding	Yuan, L., Qu, G., Villa, T., Sangiovanni-Vincentelli, A.	2005	Proceedings of the Asia and South Pacific Design Automation Conference, ASP-DAC 1,1466169, pp. 254-259	21
View abstract  Full Text Finder Related documents				
DSP address optimization using evolutionary algorithms	Leventhal, S., Yuan, L., Bambha, N.K., Bhattacharyya, S.S., Qu, G.	2005	ACM International Conference Proceeding Series 136, pp. 91-98	4
View abstract  Full Text Finder View at Publisher Related documents				
CASPER: An integrated energy-driven approach for task graph scheduling on distributed embedded systems	Kianzad, V., Bhattacharyya, S.S., Qu, G.	2005	Proceedings of the International Conference on Application-Specific Systems, Architectures and Processors pp. 191-197	27
View abstract  Full Text Finder View at Publisher Related documents				
Voltage setup problem for embedded systems with multiple voltages	Hua, S., Qu, G.	2005	IEEE Transactions on Very Large Scale Integration (VLSI) Systems 13(7), pp. 869-872	20
View abstract  Full Text Finder View at Publisher Related documents				
Finding redundant constraints in FSM minimization	Yuan, L., Pari, P.R., Qu, G.	2004	Proceedings of the National Conference on Artificial Intelligence pp. 976-977	1
View abstract  Full Text Finder Related documents				

Document title	Authors	Year	Source	Cited by
Generating "random" 3-SAT instances with specific solution space structure	Pari, P.R., Lin, J., Yuan, L., Qu, G.	2004	Proceedings of the National Conference on Artificial Intelligence pp. 960-961	1
View abstract 	Full Text Finder	Related documents		
Information Hiding in Finite State Machine	Yuan, L., Qu, G.	2004	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics) 3200, pp. 340-354	28
View abstract 	Full Text Finder	View at Publisher	Related documents	
Energy-efficient dual-voltage real-time with (m,k)-firm deadline	Hua, S., Qu, G.	2004	CASES 2004: International Conference on Compilers, Architecture, and Synthesis for Embedded Systems pp. 116-123	6
View abstract 	Full Text Finder	View at Publisher	Related documents	
Soft IP Protection: Watermarking HDL Codes	Yuan, L., Pari, P.R., Qu, G.	2004	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics) 3200, pp. 224-238	25
View abstract 	Full Text Finder	View at Publisher	Related documents	
Differential on-line sensor calibration	Feng, J., Qu, G., Potkonjak, M.	2004	Proceedings of IEEE Sensors 1,M4L-B.3, pp. 417-420	3
View abstract 	Full Text Finder	Related documents		
Sensor calibration using nonparametric statistical characterization of error models	Feng, J., Qu, G., Potkonjak, M.	2004	Proceedings of IEEE Sensors 3,W2L-F.1, pp. 1456-1459	9
View abstract 	Full Text Finder	Related documents		
QoS-driven scheduling for multimedia applications	Hua, S., Qu, G.	2004	Proceedings - IEEE International Symposium on Circuits and Systems 2, pp. II125-II128	0
View abstract 	Full Text Finder	Related documents		
Arbitrate-and-move primitives for high throughput on-chip interconnection networks	Balkan, A.O., Qu, G., Vishkin, U.	2004	Proceedings - IEEE International Symposium on Circuits and Systems 2, pp. II441-II444	3
View abstract 	Full Text Finder	Related documents		
Transferring performance gain from software prefetching to energy reduction	Agarwal, D.N., Pamnani, S.N., Qu, G., Yeung, D.	2004	Proceedings - IEEE International Symposium on Circuits and Systems 2, pp. II241-II244	7
View abstract 	Full Text Finder	Related documents		
How many solutions does a SAT instance have?	Pari, P.R., Yuan, L., Qu, G.	2004	Proceedings - IEEE International Symposium on Circuits and Systems 5, pp. V-209-V-212	0
View abstract 	Full Text Finder	Related documents		
Power minimization in QoS sensitive systems	Wong, J.L., Qu, G., Potkonjak, M.	2004	IEEE Transactions on Very Large Scale Integration (VLSI) Systems 12(6), pp. 553-561	4
View abstract 	Full Text Finder	View at Publisher	Related documents	

Document title	Authors	Year	Source	Cited by
Effective iterative techniques for fingerprinting design IP	Caldwell, A.E., Choi, H.-J., Kahng, A.B., (...), Qu, G., Wong, J.L.	2004	IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems 23(2), pp. 208-215	41
View abstract  Full Text Finder View at Publisher Related documents				
Energy-efficient design of distributed sensor networks (Book Chapter)	Yuan, L., Qu, G.	2004	<i>Handbook of Sensor Networks: Compact Wireless and Wired Sensing Systems</i> pp. 38-1-38-19	3
Full Text Finder View at Publisher Related documents				
Optimization-Intensive Watermarking Techniques for Decision Problems	Wong, J.L., Qu, G., Potkonjak, M.	2004	IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems 23(1), pp. 119-127	11
View abstract  Full Text Finder View at Publisher Related documents				
Approaching the Maximum Energy Saving on Embedded Systems with Multiple Voltages	Hua, S., Qu, G.	2003	IEEE/ACM International Conference on Computer-Aided Design, Digest of Technical Papers pp. 26-29	27
View abstract  Full Text Finder Related documents				
Energy-efficient multi-processor implementation of embedded software	Hua, S., Qu, G., Bhattacharyya, S.S.	2003	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics) 2855, pp. 257-273	4
View abstract  Full Text Finder View at Publisher Related documents				
Minimal and maximal exposure path algorithms for wireless embedded sensor networks	Veltri, G., Qu, G., Huang, Q., Potkonjak, M.	2003	SenSys'03: Proceedings of the First International Conference on Embedded Networked Sensor Systems pp. 40-50	130
View abstract  Full Text Finder View at Publisher Related documents				
QoP-driven scheduling for MPEG video decoding	Hua, S., Qu, G.	2003	IEEE Transactions on Consumer Electronics 49(4), pp. 1341-1347	0
View abstract  Full Text Finder View at Publisher Related documents				
QoP-driven scheduling for MPEG video decoding	Hua, S., Qu, G.	2003	Proceedings of the IEEE International Symposium on Consumer Electronics, ISCE pp. 48-49	0
View abstract  Full Text Finder Related documents				
Energy reduction techniques for multimedia applications with tolerance to deadline misses	Hua, S., Qu, G., Bhattacharyya, S.S.	2003	Proceedings - Design Automation Conference pp. 131-136	65
View abstract  Full Text Finder View at Publisher Related documents				
Zero overhead watermarking technique for FPGA designs	Jain, A.K., Yuan, L., Pari, P.R., Qu, G.	2003	Proceedings of the IEEE Great Lakes Symposium on VLSI pp. 147-152	49
View abstract  Full Text Finder View at Publisher Related documents				

Document title	Authors	Year	Source	Cited by
Introducing the concept of design reuse into undergraduate digital design curriculum	Qu, G.	2003	Proceedings - 2003 IEEE International Conference on Microelectronic Systems Education: Educating Tomorrow's Microsystems Designers, MSE 2003 1205231, pp. 10-11	1
View abstract Full Text Finder View at Publisher Related documents				
A new quality of service metric for hard/soft real-time applications	Hua, S., Qu, G.	2003	Proceedings ITCC 2003, International Conference on Information Technology: Computers and Communications 1197553, pp. 347-351	4
View abstract Full Text Finder View at Publisher Related documents				
System Synthesis of Synchronous Multimedia Applications	Qu, G., Potkonjak, M.	2003	ACM Transactions on Embedded Computing Systems 2(1), pp. 74-97	3
View abstract Full Text Finder View at Publisher Related documents				
Exploring the probabilistic design space of multimedia systems	Hua, S., Qu, G., Bhattacharyya, S.S.	2003	Proceedings of the International Workshop on Rapid System Prototyping 2003-January,1207053, pp. 233-240	12
View abstract Full Text Finder View at Publisher Related documents				
An on-line approach for power minimization in QoS sensitive systems	Wong, J.L., Qu, G., Potkonjak, M.	2003	Proceedings of the Asia and South Pacific Design Automation Conference, ASP-DAC 2003-January,1194994, pp. 59-64	5
View abstract Full Text Finder View at Publisher Related documents				
Publicly detectable watermarking for intellectual property authentication in VLSI design	Qu, G.	2002	IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems 21(11), pp. 1363-1368	27
View abstract Full Text Finder View at Publisher Related documents				
Techniques for energy-efficient communication pipeline design	Qu, G., Potkonjak, M.	2002	IEEE Transactions on Very Large Scale Integration (VLSI) Systems 10(5), pp. 542-549	4
View abstract Full Text Finder View at Publisher Related documents				
Code coverage-based power estimation techniques for microprocessors	Qu, G., Kawabe, N., Usami, K., Potkonjak, M.	2002	Journal of Circuits, Systems and Computers 11(5), pp. 557-574	4
View abstract Full Text Finder View at Publisher Related documents				
Design space exploration for energy-efficient secure sensor network	Yuan, L., Qu, G.	2002	Proceedings of the International Conference on Application-Specific Systems, Architectures and Processors 2002-January,1030707, pp. 88-97	53
View abstract Full Text Finder View at Publisher Related documents				
Exposure in wireless sensor networks: Theory and practical solutions	Megerian, S., Koushanfar, F., Qu, G., Veltri, G., Potkonjak, M.	2002	Wireless Networks 8(5),5091292, pp. 443-454	125
View abstract Full Text Finder View at Publisher Related documents				

Document title	Authors	Year	Source	Cited by
Keyless public watermarking for intellectual property authentication	Qu, G.	2001	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics) 2137, pp. 96-111	8
View abstract  Full Text Finder View at Publisher Related documents				
What is the limit of energy saving by dynamic voltage scaling?	Qu, G.	2001	IEEE/ACM International Conference on Computer-Aided Design, Digest of Technical Papers pp. 560-563	63
View abstract  Full Text Finder Related documents				
Publicly detectable techniques for the protection of virtual components	Qu, G.	2001	Proceedings - Design Automation Conference pp. 474-479	10
View abstract  Full Text Finder View at Publisher Related documents				
Hardware metering	Koushanfar, F., Qu, G.	2001	Proceedings - Design Automation Conference pp. 490-493	71
View abstract  Full Text Finder View at Publisher Related documents				
Intellectual property metering	Koushanfar, F., Qu, G., Potkonjak, M.	2001	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics) 2137, pp. 81-95	47
View abstract  Full Text Finder View at Publisher Related documents				
Exposure in wireless ad-hoc sensor networks	Meguerdichian, S., Koushanfar, F., Qu, G., Potkonjak, M.	2001	Proceedings of the Annual International Conference on Mobile Computing and Networking, MOBICOM pp. 139-150	462
View abstract  Full Text Finder View at Publisher Related documents				
Achieving utility arbitrarily close to the optimal with limited energy	Qu, Gang, Potkonjak, Miodrag	2000	Proceedings of the International Symposium on Low Power Electronics and Design pp. 125-130	1
View abstract  Full Text Finder View at Publisher Related documents				
Energy minimization with guaranteed quality of service	Qu, Gang, Potkonjak, Miodrag	2000	Proceedings of the International Symposium on Low Power Electronics and Design pp. 43-48	9
View abstract  Full Text Finder Related documents				
Fair watermarking techniques	Qu, G., Wong, J.L., Potkonjak, M.	2000	Proceedings of the Asia and South Pacific Design Automation Conference, ASP-DAC pp. 55-60	9
View abstract  Full Text Finder View at Publisher Related documents				
Hiding signatures in graph coloring solutions	Qu, G., Potkonjak, M.	2000	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics) 1768, pp. 348-367	30
View abstract  Full Text Finder View at Publisher Related documents				
Fingerprinting intellectual property using constraint-addition	Qu, Gang, Potkonjak, Miodrag	2000	Proceedings - Design Automation Conference pp. 587-592	38

Document title	Authors	Year	Source	Cited by
View abstract ▾ Full Text Finder View at Publisher Related documents				
Achieving utility arbitrarily close to the optimal with limited energy	Qu, Gang, Potkonjak, Miodrag	2000	Proceedings of the International Symposium on Low Power Electronics and Design, Digest of Technical Papers pp. 125-130	3
View abstract ▾ Full Text Finder View at Publisher Related documents				
Energy minimization with guaranteed quality of service	Qu, Gang, Potkonjak, Miodrag	2000	Proceedings of the International Symposium on Low Power Electronics and Design, Digest of Technical Papers pp. 43-48	11
View abstract ▾ Full Text Finder Related documents				
Function-level power estimation methodology for microprocessors	Qu, G., Kawabe, N., Usami, K., Potkonjak, M.	2000	Proceedings-Design Automation Conference pp. 810-813	65
View abstract ▾ Full Text Finder View at Publisher				
Power minimization using system-level partitioning of applications with quality of service requirements	Qu, Gang, Potkonjak, Miodrag	1999	IEEE/ACM International Conference on Computer-Aided Design, Digest of Technical Papers pp. 343-346	12
View abstract ▾ Full Text Finder Related documents				
Associative-skew clock routing problem	Chen, Yu, Kahng, Andrew B., Qu, Gang, Zelikovsky, Alexander	1999	IEEE/ACM International Conference on Computer-Aided Design, Digest of Technical Papers pp. 168-172	6
View abstract ▾ Full Text Finder Related documents				
Power optimization of variable-voltage core-based systems	Hong, I., Kirovski, D., Qu, G., Potkonjak, M., Srivastava, M.B.	1999	IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems 18(12), pp. 1702-1714	144
View abstract ▾ Full Text Finder View at Publisher Related documents				
System Synthesis of Synchronous Multimedia Applications	Qu, G., Mesarina, M., Potkonjak, M.	1999	Proceedings of the International Symposium on System Synthesis Part F129194	1
View abstract ▾ Full Text Finder Related documents				
Quality of service and system design	Kornegay, K.T., Qu, G., Potkonjak, M.	1999	Proceedings - IEEE Computer Society Workshop on VLSI 1999: System Design: Towards System-on-a-Chip Paradigm, VLSI 1999 760484, pp. 112-117	3
View abstract ▾ Full Text Finder View at Publisher Related documents				
Optimization-intensive watermarking techniques for decision problems	Qu, Gang, Wong, Jennifer L., Potkonjak, Miodrag	1999	Proceedings - Design Automation Conference pp. 33-36	10
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