# Ghassan O Karame

## List of Publications by Year
in descending order

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|---|---|---|---|
| 56 papers | 3,585 citations | 566801 15 h-index | 580395 25 g-index |
| 57 all docs | 57 docs citations | 57 times ranked | 2526 citing authors |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 1 | On the Security and Performance of Proof of Work Blockchains. , 2016, , . | | 899 |
| 2 | Evaluating User Privacy in Bitcoin. Lecture Notes in Computer Science, 2013, , 34-51. | 1.0 | 400 |
| 3 | Double-spending fast payments in bitcoin. , 2012, , . | | 356 |
| 4 | Is Bitcoin a Decentralized Currency?. IEEE Security and Privacy, 2014, 12, 54-60. | 1.5 | 190 |
| 5 | Securing Proof-of-Stake Blockchain Protocols. Lecture Notes in Computer Science, 2017, , 297-315. | 1.0 | 155 |
| 6 | Tampering with the Delivery of Blocks and Transactions in Bitcoin. , 2015, , . | | 148 |
| 7 | Misbehavior in Bitcoin. ACM Transactions on Information and System Security, 2015, 18, 1-32. | 4.5 | 148 |
| 8 | Scalable Byzantine Consensus via Hardware-Assisted Secret Sharing. IEEE Transactions on Computers, 2019, 68, 139-151. | 2.4 | 130 |
| 9 | Ripple: Overview and Outlook. Lecture Notes in Computer Science, 2015, , 163-180. | 1.0 | 109 |
| 10 | On the Security and Scalability of Bitcoin's Blockchain. , 2016, , . | | 95 |
| 11 | On the privacy provisions of Bloom filters in lightweight bitcoin clients. , 2014, , . | | 83 |
| 12 | Outsourced Proofs of Retrievability. , 2014, , . | | 82 |
| 13 | Enabling secure VM-vTPM migration in private clouds. , 2011, , . | | 80 |
| 14 | Towards Scalable and Private Industrial Blockchains. , 2017, , . | | 78 |
| 15 | Blockchain Security and Privacy. IEEE Security and Privacy, 2018, 16, 11-12. | 1.5 | 57 |
| 16 | Toward Fairness of Cryptocurrency Payments. IEEE Security and Privacy, 2018, 16, 81-89. | 1.5 | 53 |
| 17 | Transparent Data Deduplication in the Cloud. , 2015, , . | | 49 |
| 18 | Towards Secure and Decentralized Sharing of IoT Data. , 2019, , . | | 45 |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 19 | Access control for SDN controllers. , 2014, , . | | 42 |
| 20 | On the Fingerprinting of Software-Defined Networks. IEEE Transactions on Information Forensics and Security, 2016, 11, 2160-2173. | 4.5 | 36 |
| 21 | Privacy-friendly tasking and trading of energy in smart grids. , 2013, , . | | 33 |
| 22 | Integrity Regions: Authentication through Presence in Wireless Networks. IEEE Transactions on Mobile Computing, 2010, 9, 1608-1621. | 3.9 | 31 |
| 23 | PoWerStore. , 2013, , . | | 27 |
| 24 | Enabling Anonymous Authorization and Rewarding in the Smart Grid. IEEE Transactions on Dependable and Secure Computing, 2017, 14, 565-572. | 3.7 | 26 |
| 25 | Toward Shared Ownership in the Cloud. IEEE Transactions on Information Forensics and Security, 2018, 13, 3019-3034. | 4.5 | 18 |
| 26 | Hiding Transaction Amounts and Balances in Bitcoin. Lecture Notes in Computer Science, 2014, , 161-178. | 1.0 | 18 |
| 27 | Fingerprinting Software-Defined Networks. , 2015, , . | | 16 |
| 28 | Securing Cloud Data Under Key Exposure. IEEE Transactions on Cloud Computing, 2019, 7, 838-849. | 3.1 | 16 |
| 29 | Secure Remote Execution of Sequential Computations. Lecture Notes in Computer Science, 2009, , 181-197. | 1.0 | 16 |
| 30 | Low-Cost Client Puzzles Based on Modular Exponentiation. Lecture Notes in Computer Science, 2010, , 679-697. | 1.0 | 13 |
| 31 | SuperTrust. , 2007, , . | | 12 |
| 32 | A Secure Hybrid Reputation Management System for Super-Peer Networks. , 2008, , . | | 12 |
| 33 | Outsourcing Proofs of Retrievability. IEEE Transactions on Cloud Computing, 2021, 9, 286-301. | 3.1 | 11 |
| 34 | Secure Erasure and Code Update in Legacy Sensors. Lecture Notes in Computer Science, 2015, , 283-299. | 1.0 | 11 |
| 35 | On Information Leakage in Deduplicated Storage Systems. , 2016, , . | | 10 |
| 36 | Sharing Proofs of Retrievability across Tenants. , 2017, , . | | 9 |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 37 | Commune. , 2015, , . | | 8 |
| 38 | Pay as you browse. , 2011, , . | | 6 |
| 39 | Towards an access control scheme for accessing flows in SDN. , 2015, , . | | 6 |
| 40 | ReplicaTEE: Enabling Seamless Replication of SGX Enclaves in the Cloud. , 2019, , . | | 6 |
| 41 | Privacy-preserving outsourcing of brute-force key searches. , 2011, , . | | 5 |
| 42 | 2D and 3D face localization for complex scenes. , 2007, , . | | 4 |
| 43 | Privacy-Friendly Planning of Energy Distribution in Smart Grids. , 2014, , . | | 4 |
| 44 | Facilitating human-centric service delivery using a pluggable service development framework. International Journal of Ad Hoc and Ubiquitous Computing, 2009, 4, 223. | 0.3 | 3 |
| 45 | Towards Trustworthy Network Measurements. Lecture Notes in Computer Science, 2013, , 83-91. | 1.0 | 3 |
| 46 | An overview of blockchain science and engineering. Royal Society Open Science, 2020, 7, 200168. | 1.1 | 3 |
| 47 | Mitosis: Practically Scaling Permissioned Blockchains. , 2021, , . | | 3 |
| 48 | Small Coalitions: Lightweight Collaboration for Efficient P2P Downloads. , 2009, , . | | 2 |
| 49 | Cases for Including a Reference Monitor to SDN. , 2016, , . | | 2 |
| 50 | CCSW'17. , 2017, , . | | 2 |
| 51 | Proofs of Writing for Robust Storage. IEEE Transactions on Parallel and Distributed Systems, 2019, 30, 2547-2566. | 4.0 | 2 |
| 52 | Microcomputations as Micropayments in Web-based Services. ACM Transactions on Internet Technology, 2014, 13, 1-23. | 3.0 | 1 |
| 53 | Reconciling Security and Functional Requirements in Multi-tenant Clouds. , 2017, , . | | 1 |
| 54 | The AIT 2D Face Detection and Tracking System for CLEAR 2007. Lecture Notes in Computer Science, 2007, , 113-125. | 1.0 | 1 |

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|---|---------|-----|-----------|
| 55 | Towards Secure and Scalable Blockchain Technologies. , 2021, , . | | 0 |
| 56 | Towards Scalable and Private Industrial Blockchains. SEMA SIMAI Springer Series, 2021, , 19-27. | 0.4 | 0 |