

Academic Papers I Slowly Working My Way Through These

I will be printing out each paper, reading and annotating it. At which point I will scan the paper (so long as it's not too long) and will upload it to the repo under 'examined_papers'.

1. [Ouroboros: A Provably Secure Proof-of-Stake Blockchain Protocol](#)
2. [Ouroboros Praos: An adaptively-secure, semi-synchronous proof-of-stake protocol](#)
3. [Stake-Bleeding Attacks on Proof-of-Stake Blockchains](#)
4. [TwinsCoin: A Cryptocurrency via Proof-of-Work and Proof-of-Stake](#)
5. [Formal specification for a Cardano wallet](#)
6. [Self-Reproducing Coins as Universal Turing Machine](#)
7. [Ouroboros Genesis: Composable Proof-of-Stake Blockchains with Dynamic Availability](#)
8. [Ouroboros-BFT: A Simple Byzantine Fault Tolerant Consensus Protocol](#)
9. [Comparison of Block Expectation Time for Various Consensus Algorithms](#)
10. [Marlowe: financial contracts on blockchain](#)
11. [A Formal Treatment of Hardware Wallets](#)
12. [Proof-of-Work Sidechains](#)
13. [The Promise of Blockchain Technology for Global Securities and Derivatives Markets: The New Financial Ecosystem and the 'Holy Grail' of Systemic Risk Containment](#)
14. [SoK: A Taxonomy for Layer-2 Scalability Related Protocols for Cryptocurrencies](#)
15. [Functional Blockchain Contracts](#)
16. [Ouroboros Cryptsinous: Privacy-Preserving Proof-of-Stake](#)
17. [Proof-of-Stake Sidechains](#)
18. [System F in Agda, for fun and profit](#)
19. [Unraveling recursion: compiling an IR with recursion to System F](#)
20. [A Type and Scope Safe Universe of Syntaxes with Binding: Their Semantics and Proofs](#)
21. [Proof-of-Stake Blockchain Protocols with Near-Optimal Throughput](#)
22. [The Combinatorics of the Longest-Chain Rule: Linear Consistency for Proof-of-Stake Blockchains](#)
23. [Bypassing Non-Outsourceable Proof-of-Work Schemes Using Collateralized Smart Contracts](#)
24. [Marlowe: implementing and analysing financial contracts on blockchain](#)
25. [Non-Interactive Proofs of Proof-of-Work](#)
26. [One-shot Signatures and Applications to Hybrid Quantum/Classical Authentication](#)
27. [Proof-of-Burn](#)
28. [Stake Shift in Major Cryptocurrencies: An Empirical Study](#)
29. [The Extended UTXO Model](#)

30. [Full Analysis of Nakamoto Consensus in Bounded-Delay Networks](#)
31. [SoK: A Taxonomy of Cryptocurrency Wallets](#)
32. [Smart Contract Derivatives](#)
33. [Consensus Redux: Distributed Ledgers in the Face of Adversarial Supremacy](#)
34. [Introduction to the design of the Data Diffusion and Networking for Cardano Shelley](#)
35. [The Architecture of Decentralised Finance Platforms: A New Open Finance Paradigm](#)
36. [Account Management in Proof of Stake Ledgers](#)
37. [Reward Sharing Schemes for Stake Pools](#)
38. [Updatable Blockchains](#)
39. [Upper Bound Probability of Double Spend Attack on SPECTRE](#)
40. [A Gas-Efficient Superlight Bitcoin Client in Solidity](#)
41. [Native Custom Tokens in the Extended UTXO Model](#)
42. [Models of distributed proof generation for ZK-SNARK-based blockchains](#)
43. [Efficient static analysis of Marlowe contracts](#)
44. [Timed Signatures and Zero-Knowledge Proofs –Timestamping in the Blockchain Era–](#)
45. [UTxO- vs account-based smart contract blockchain programming paradigms](#)
46. [UTXOma:UTXO with Multi-Asset Support](#)
47. [Blockchains from Non-Idealized Hash Functions](#)
48. [Consistency of Proof-of-Stake Blockchains with Concurrent Honest Slot Leaders](#)
49. [Ledger Combiners for Fast Settlement](#)
50. [Zendoo: a zk-SNARK Verifiable Cross-Chain Transfer Protocol Enabling Decoupled and Decentralized Sidechains](#)
51. [Security Limitations of Classical-Client Delegated Quantum Computing](#)
52. [Efficient State Management in Distributed Ledgers](#)
53. [Hydra: Fast Isomorphic State Channels](#)
54. [Pay To Win: Cheap, Crowdfundable, Cross-chain Algorithmic Incentive Manipulation Attacks on PoW Cryptocurrencies](#)
55. [Post-Quantum Security of the Bitcoin Backbone and Quantum Multi-Solution Bernoulli Search](#)
56. [SoK: Algorithmic Incentive Manipulation Attacks on Permissionless PoW Cryptocurrencies](#)
57. [SoK: Communication Across Distributed Ledgers](#)
58. [Standardized crypto-loans on the Cardano blockchain](#)
59. [Cardano Disaster Recovery Plan](#)
60. [How to Prove Work: With Time or Memory \(Extended Abstract\)](#)
61. [Mining in Logarithmic Space](#)
62. [Securing Proof-of-Work Ledgers via Checkpointing](#)
63. [Consistency for Functional Encryption](#)
64. [Kachina - Foundations of Private Smart Contracts](#)
65. [Mithril: Stake-based Threshold Multisignatures](#)
66. [Probability of double spend attack for network with non-zero synchronization time](#)
67. [Conclave: A Collective Stake Pool Protocol](#)

