# Zhengyu Yang

List of Publications by Year
in descending order

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|---|---|---|---|
| 26<br>papers | 474<br>citations | 1684188<br>5<br>h-index | 1588992<br>8<br>g-index |
| 26<br>all docs | 26<br>docs citations | 26<br>times ranked | 360<br>citing authors |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 1 | I/O Workload Management for All-Flash Datacenter Storage Systems Based on Total Cost of Ownership. IEEE Transactions on Big Data, 2022, 8, 332-345. | 6.1 | 3 |
| 2 | New YARN Non-Exclusive Resource Management Scheme through Opportunistic Idle Resource Assignment. IEEE Transactions on Cloud Computing, 2021, 9, 696-709. | 4.4 | 1 |
| 3 | Understanding Flash-Based Storage I/O Behavior of Games. , 2021, , . | | 1 |
| 4 | Corrigendum to "Bolt Detection Signal Analysis Method Based on ICEEMD". Shock and Vibration, 2021, 2021, 1-1. | 0.6 | 0 |
| 5 | Docker Container Scheduler for I/O Intensive Applications Running on NVMe SSDs. IEEE Transactions on Multi-Scale Computing Systems, 2018, 4, 313-326. | 2.4 | 32 |
| 6 | Pelletization Characteristics of the Hydrothermal Pretreated Rice Straw with Added Binders. Arabian Journal for Science and Engineering, 2018, 43, 4811-4820. | 3.0 | 6 |
| 7 | EAD: elasticity aware deduplication manager for datacenters with multi-tier storage systems. Cluster Computing, 2018, 21, 1561-1579. | 5.0 | 10 |
| 8 | FIOS: Feature Based I/O Stream Identification for Improving Endurance of Multi-Stream SSDs. , 2018, , . | | 9 |
| 9 | Intermediate Data Caching Optimization for Multi-Stage and Parallel Big Data Frameworks. , 2018, , . | | 27 |
| 10 | Bolt Detection Signal Analysis Method Based on ICEEMD. Shock and Vibration, 2018, 2018, 1-10. | 0.6 | 3 |
| 11 | Improving Flash Resource Utilization at Minimal Management Cost in Virtualized Flash-Based Storage Systems. IEEE Transactions on Cloud Computing, 2017, 5, 537-549. | 4.4 | 14 |
| 12 | SEINA: A stealthy and effective internal attack in Hadoop systems. , 2017, , . | | 9 |
| 13 | AutoPath: Harnessing Parallel Execution Paths for Efficient Resource Allocation in Multi-Stage Big Data Frameworks. , 2017, , . | | 25 |
| 14 | FIM: Performance Prediction for Parallel Computation in Iterative Data Processing Applications. , 2017, , . | | 38 |
| 15 | AutoTiering: Automatic data placement manager in multi-tier all-flash datacenter. , 2017, , . | | 34 |
| 16 | Accelerating big data applications using lightweight virtualization framework on enterprise cloud. , 2017, , . | | 45 |
| 17 | H-NVMe: A hybrid framework of NVMe-based storage system in cloud computing environment. , 2017, , . | | 15 |
| 18 | Enhancing SSDs with multi-stream: What? why? how?. , 2017, , . | | 6 |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 19 | Cyber-physical system enabled nearby traffic flow modelling for autonomous vehicles. , 2017, , . | | 41 |
| 20 | A Review of Smart Materials in Tactile Actuators for Information Delivery. Journal of Carbon Research, 2017, 3, 38. | 2.7 | 15 |
| 21 | A Fresh Perspective on Total Cost of Ownership Models for Flash Storage in Datacenters. , 2016, , . | | 22 |
| 22 | eSplash: Efficient speculation in large scale heterogeneous computing systems. , 2016, , . | | 14 |
| 23 | Understanding performance of I/O intensive containerized applications for NVMe SSDs. , 2016, , . | | 33 |
| 24 | GReM: Dynamic SSD resource allocation in virtualized storage systems with heterogeneous IO workloads. , 2016, , . | | 22 |
| 25 | AutoReplica: Automatic data replica manager in distributed caching and data processing systems. , 2016, , . | | 27 |
| 26 | Improving Virtual Machine Migration via Deduplication. , 2014, , . | | 22 |