

Peter Alvaro

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

629
citations

1307594

7
h-index

1058476

14
g-index

39
all docs

39
docs citations

39
times ranked

384
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Twizzler: A Data-centric OS for Non-volatile Memory. ACM Transactions on Storage, 2021, 17, 1-31. | 2.1 | 3 |
| 2 | 3MileBeach. , 2021, , . | | 3 |
| 3 | Don't Let RPCs Constrain Your API. , 2021, , . | | 3 |
| 4 | Keeping CALM. Communications of the ACM, 2020, 63, 72-81. | 4.5 | 10 |
| 5 | Mapping Datasets to Object Storage System. EPJ Web of Conferences, 2020, 245, 04037. | 0.3 | 0 |
| 6 | Elle. Proceedings of the VLDB Endowment, 2020, 14, 268-280. | 3.8 | 18 |
| 7 | Towards Physical Design Management in Storage Systems. , 2019, , . | | 1 |
| 8 | A Persistent Problem. , 2019, , . | | 4 |
| 9 | Vote Them Out. , 2019, , . | | 1 |
| 10 | Designing Data Structures to Minimize Bit Flips on NVM. , 2018, , . | | 7 |
| 11 | Debugging Distributed Systems with Why-Across-Time Provenance. , 2018, , . | | 9 |
| 12 | Fail-Slow at Scale. ACM Transactions on Storage, 2018, 14, 1-26. | 2.1 | 58 |
| 13 | Does your fault-tolerant system tolerate faults?. , 2018, , . | | 0 |
| 14 | Cudele: An API and Framework for Programmable Consistency and Durability in a Global Namespace. , 2018, , . | | 2 |
| 15 | Programmable Caches with a Data Management Language and Policy Engine. , 2018, , . | | 3 |
| 16 | Research for Practice: Tracing and Debugging Distributed Systems; Programming by Examples. Queue, 2017, 15, 91-105. | 1.1 | 2 |
| 17 | Blazes. ACM Transactions on Database Systems, 2017, 42, 1-31. | 2.8 | 4 |
| 18 | Abstracting the Geniuses Away from Failure Testing. Queue, 2017, 15, 29-53. | 1.1 | 7 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Malacology. , 2017, , . | | 19 |
| 20 | Research for practice. Communications of the ACM, 2017, 60, 46-49. | 4.5 | 8 |
| 21 | Abstracting the geniuses away from failure testing. Communications of the ACM, 2017, 61, 54-61. | 4.5 | 4 |
| 22 | Putting logic-based distributed systems on stable grounds. Theory and Practice of Logic Programming, 2016, 16, 378-417. | 1.5 | 3 |
| 23 | Automating Failure Testing Research at Internet Scale. , 2016, , . | | 22 |
| 24 | Lineage-driven Fault Injection. , 2015, , . | | 38 |
| 25 | Blazes: Coordination analysis for distributed programs. , 2014, , . | | 19 |
| 26 | Edelweiss. Proceedings of the VLDB Endowment, 2014, 7, 481-492. | 3.8 | 3 |
| 27 | Consistency without borders. , 2013, , . | | 15 |
| 28 | BloomUnit. , 2012, , . | | 12 |
| 29 | Distributed programming and consistency. , 2012, , . | | 1 |
| 30 | Logic and lattices for distributed programming. , 2012, , . | | 56 |
| 31 | Dedalus: Datalog in Time and Space. Lecture Notes in Computer Science, 2011, , 262-281. | 1.3 | 48 |
| 32 | Knuckles: bringing the database to the data. International Journal of Computational Science and Engineering, 2010, 5, 214. | 0.5 | 0 |
| 33 | I do declare. Operating Systems Review (ACM), 2010, 43, 25-30. | 1.9 | 22 |
| 34 | Online aggregation and continuous query support in MapReduce. , 2010, , . | | 108 |
| 35 | Boom analytics. , 2010, , . | | 85 |