

Alaa R Alameldeen

List of Publications by Year in descending order

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10
papers

902
citations

2682572

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2917675

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g-index

10
all docs

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docs citations

10
times ranked

418
citing authors

#	ARTICLE	IF	CITATIONS
1	Trading off Cache Capacity for Reliability to Enable Low Voltage Operation. , 2008, , .		199
2	Reducing cache power with low-cost, multi-bit error-correcting codes. , 2010, , .		145
3	Improving DRAM performance by parallelizing refreshes with accesses. , 2014, , .		128
4	Improving cache lifetime reliability at ultra-low voltages. , 2009, , .		126
5	Energy-efficient cache design using variable-strength error-correcting codes. , 2011, , .		92
6	The efficacy of error mitigation techniques for DRAM retention failures. , 2014, , .		80
7	The efficacy of error mitigation techniques for DRAM retention failures. Performance Evaluation Review, 2014, 42, 519-532.	0.6	58
8	Detecting and mitigating data-dependent DRAM failures by exploiting current memory content. , 2017, , .		49
9	Energy-efficient cache design using variable-strength error-correcting codes. Computer Architecture News, 2011, 39, 461-472.	2.5	25
10	Redundancy and ECC mechanisms to improve energy efficiency of on-die interconnects. , 2012, , .		0