

Darshika G Perera

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Parallel Computation of Similarity Measures Using an FPGA-Based Processor Array. , 2008, , .		21
2	FPGA-Based Reconfigurable Hardware for Compute Intensive Data Mining Applications. , 2011, , .		21
3	Dynamic partial reconfigurable hardware architecture for principal component analysis on mobile and embedded devices. Eurasip Journal on Embedded Systems, 2017, 2017, .	1.2	17
4	Optimized hardware accelerators for data mining applications on embedded platforms: Case study principal component analysis. Microprocessors and Microsystems, 2019, 65, 79-96.	2.8	17
5	Towards Dynamic and Partial Reconfigurable Hardware Architectures for Cryptographic Algorithms on Embedded Devices. IEEE Access, 2020, 8, 221720-221742.	4.2	15
6	On-Chip Hardware Support for Similarity Measures. , 2007, , .		12
7	Hardware acceleration for similarity computations of feature vectors. Canadian Journal of Electrical and Computer Engineering, 2008, 33, 21-30.	2.0	10
8	Efficient embedded architectures for fast-charge model predictive controller for battery cell management in electric vehicles. Eurasip Journal on Embedded Systems, 2018, 2018, .	1.2	10
9	An Efficient FPGA-Based Hardware Accelerator for Convex Optimization-Based SVM Classifier for Machine Learning on Embedded Platforms. Electronics (Switzerland), 2021, 10, 1323.	3.1	10
10	Efficient FPGA-Based Reconfigurable Accelerators for SIMON Cryptographic Algorithm on Embedded Platforms. , 2019, , .		8
11	An Investigation of Chip-Level Hardware Support for Web Mining. , 2007, , .		7
12	Embedded hardware solution for principal component analysis. , 2011, , .		6
13	HDL Code Optimizations: Impact on Hardware Implementations and CAD Tools. , 2019, , .		6
14	Towards Composing Optimized Bi-Directional Multi-Ported Memories for Next-Generation FPGAs. IEEE Access, 2020, 8, 91531-91545.	4.2	6
15	Similarity Computation Using Reconfigurable Embedded Hardware. , 2009, , .		4
16	Intelligent Cognitive Radio Architecture Applying Machine Learning and Reconfigurability. , 2021, , .		1