Siting Liu

List of Publications by Year
in descending order

8 papers	327 citations	1684188 5 h-index	2053705 5 g-index
8 all docs	8 docs citations	8 times ranked	205 citing authors

#	Article	IF	Citations
1	A Survey of Stochastic Computing Neural Networks for Machine Learning Applications. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 2809-2824.	11.3	86
2	A Stochastic Computational Multi-Layer Perceptron with Backward Propagation. IEEE Transactions on Computers, 2018, 67, 1273-1286.	3.4	73
3	Energy efficient stochastic computing with Sobol sequences. , 2017, , .		65
4	Toward Energy-Efficient Stochastic Circuits Using Parallel Sobol Sequences. IEEE Transactions on Very Large Scale Integration (VLSI) Systems, 2018, 26, 1326-1339.	3.1	46
5	Gradient Descent Using Stochastic Circuits for Efficient Training of Learning Machines. IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems, 2018, 37, 2530-2541.	2.7	27
6	Introduction to Dynamic Stochastic Computing. IEEE Circuits and Systems Magazine, 2020, 20, 19-33.	2.3	15
7	Hardware ODE Solvers using Stochastic Circuits. , 2017, , .		10
8	Dynamic Stochastic Computing for Digital Signal Processing Applications. , 2020, , .		5