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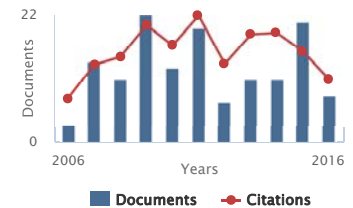
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Exploration of digital latch design using ballistic deflection transistors-Modeling and simulation	Marthi, P., Millithaler, J.-F., Níguez-de-La-Torre, I., (...), Gonzalez, T., Margala, M.	2016	2015 IEEE Nanotechnology Materials and Devices Conference, NMDC 2015	0
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Study of surface charges in ballistic deflection transistors	Millithaler, J.-F., Níguez-De-La-Torre, I., Mateos, J., González, T., Margala, M.	2015	Nanotechnology	4
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