

# Douglas Tougaw

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7845482/publications.pdf>

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11  
papers

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citations

1478505

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1372567

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11  
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docs citations

11  
times ranked

91  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Scalable Signal Distribution Network for Quantum-Dot Cellular Automata. IEEE Nanotechnology Magazine, 2013, 12, 215-224.	2.0	53
2	Matrix Multiplication Using Quantum-Dot Cellular Automata to Implement Conventional Microelectronics. IEEE Nanotechnology Magazine, 2011, 10, 1036-1042.	2.0	30
3	Stray Charge in Quantum-dot Cellular Automata: A Validation of the Intercellular Hartree Approximation. IEEE Nanotechnology Magazine, 2013, 12, 225-233.	2.0	23
4	Programmable Logic Implemented Using Quantum-Dot Cellular Automata. IEEE Nanotechnology Magazine, 2012, 11, 739-745.	2.0	19
5	A Signal Distribution Network for Sequential Quantum-Dot Cellular Automata Systems. IEEE Nanotechnology Magazine, 2015, 14, 648-656.	2.0	10
6	Defect and Temperature Effects on Complex Quantum-Dot Cellular Automata Devices. Journal of Applied Mathematics and Physics, 2013, 01, 7-15.	0.4	9
7	A signal distribution grid for quantum-dot cellular automata. Journal of Computational Electronics, 2016, 15, 446-454.	2.5	6
8	A signal calculation grid for quantum-dot cellular automata. Journal of Computational Electronics, 2018, 17, 470-478.	2.5	4
9	Using the full quantum basis set to simulate quantum-dot cellular automata devices. Journal of Computational Electronics, 2019, 18, 982-987.	2.5	2
10	Designing a Turing-complete cellular automata system using quantum-dot cellular automata. Journal of Computational Electronics, 2020, 19, 1337-1343.	2.5	2
11	An improved eigensolver for quantum-dot cellular automata simulations. , 2013, , .		0