

# Michael P Frank

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8701419/publications.pdf>

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14  
papers

225  
citations

1684188

5  
h-index

1872680

6  
g-index

17  
all docs

17  
docs citations

17  
times ranked

108  
citing authors

#	ARTICLE	IF	CITATIONS
1	Introduction to reversible computing. , 2005, , .		108
2	Foundations of Generalized Reversible Computing. Lecture Notes in Computer Science, 2017, , 19-34.	1.3	24
3	Throwing computing into reverse. IEEE Spectrum, 2017, 54, 32-37.	0.7	22
4	Asynchronous ballistic reversible computing. , 2017, , .		14
5	Asynchronous Ballistic Reversible Fluxon Logic. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-7.	1.7	12
6	Design automation for adiabatic circuits. , 2019, , .		9
7	Physical Foundations of Landauerâ€™s Principle. Lecture Notes in Computer Science, 2018, , 3-33.	1.3	8
8	Semi-Automated Design of Functional Elements for a New Approach to Digital Superconducting Electronics: Methodology and Preliminary Results. , 2019, , .		6
9	Reversible Computing with Fast, Fully Static, Fully Adiabatic CMOS. , 2020, , .		6
10	Quantum Foundations of Classical Reversible Computing. Entropy, 2021, 23, 701.	2.2	5
11	A novel operational paradigm for thermodynamically reversible logic: Adiabatic transformation of chaotic nonlinear dynamical circuits. , 2016, , .		4
12	Special Session: Exploring the Ultimate Limits of Adiabatic Circuits. , 2020, , .		4
13	Reversible Computing as a Path Towards Unbounded Energy Efficiency: Challenges and Opportunities Invited Talk. , 2018, , .		1
14	Logical and Physical Reversibility of Conservative Skyrmion Logic. IEEE Magnetism Letters, 2022, , 1-1.	1.1	1