Miriam Backens

List of Publications by Year
in descending order

11 papers	186 citations	2258059 3 h-index	1872680 6 g-index
11 all docs	11 docs citations	11 times ranked	53 citing authors

#	Article	IF	Citations
1	The ZX-calculus is complete for stabilizer quantum mechanics. New Journal of Physics, 2014, 16, 093021.	2.9	66
2	ZH: A Complete Graphical Calculus for Quantum Computations Involving Classical Non-linearity. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 287, 23-42.	0.8	30
3	There and back again: A circuit extraction tale. Quantum - the Open Journal for Quantum Science, 0, 5, 421.	0.0	27
4	Making the stabilizer ZX-calculus complete for scalars. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 195, 17-32.	0.8	17
5	A Simplified Stabilizer ZX-calculus. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 236, 1-20.	0.8	13
6	The ZX-calculus is complete for the single-qubit Clifford+T group. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 172, 293-303.	0.8	10
7	A Complete Graphical Calculus for Spekkens' Toy Bit Theory. Foundations of Physics, 2016, 46, 70-103.	1.3	9
8	Holant Clones and the Approximability of Conservative Holant Problems. ACM Transactions on Algorithms, 2020, 16, 1-55.	1.0	6
9	Number of superclasses of four-qubit entangled states under the inductive entanglement classification. Physical Review A, 2017, 95, .	2.5	3
10	A Full Dichotomy for hol^{c}, Inspired by Quantum Computation. SIAM Journal on Computing, 2021, 50, 1739-1799.	1.0	3
11	Boolean approximate counting CSPs with weak conservativity, and implications for ferromagnetic two-spin. Journal of Computer and System Sciences, 2020, 109, 95-125.	1.2	2