

Toshimori Honjo

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3437741/publications.pdf>

Version: 2024-02-01

10
papers

830
citations

1307594

7
h-index

1588992

8
g-index

10
all docs

10
docs citations

10
times ranked

610
citing authors

#	ARTICLE	IF	CITATIONS
1	A coherent Ising machine for 2000-node optimization problems. <i>Science</i> , 2016, 354, 603-606.	12.6	469
2	Experimental investigation of performance differences between coherent Ising machines and a quantum annealer. <i>Science Advances</i> , 2019, 5, eaau0823.	10.3	169
3	100,000-spin coherent Ising machine. <i>Science Advances</i> , 2021, 7, eabh0952.	10.3	101
4	Understanding dynamics of coherent Ising machines through simulation of large-scale 2D Ising models. <i>Nature Communications</i> , 2018, 9, 5020.	12.8	40
5	Collective and synchronous dynamics of photonic spiking neurons. <i>Nature Communications</i> , 2021, 12, 2325.	12.8	25
6	Simulating Ising Spins in External Magnetic Fields with a Network of Degenerate Optical Parametric Oscillators. <i>Physical Review Applied</i> , 2020, 13, .	3.8	18
7	Potts model solver based on hybrid physical and digital architecture. <i>Communications Physics</i> , 2022, 5, .	5.3	7
8	Continuous and long-term stabilization of degenerate optical parametric oscillators for large-scale optical hybrid computers. <i>Optics Express</i> , 2020, 28, 38553.	3.4	1
9	Observation of binary phase states of time-multiplexed degenerate optical parametric oscillator pulses generated using a nonlinear fiber Sagnac loop. <i>Optics Letters</i> , 2020, 45, 4503.	3.3	0
10	Photonic spiking neuron with coupled degenerate optical parametric oscillators. , 2021, , .		0