

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