

# Thomas Bose

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7188043/publications.pdf>

Version: 2024-02-01

25  
papers

382  
citations

1040056

9  
h-index

794594

19  
g-index

27  
all docs

27  
docs citations

27  
times ranked

396  
citing authors

#	ARTICLE	IF	CITATIONS
1	Stochastic model for tumor growth with immunization. <i>Physical Review E</i> , 2009, 79, 051903.	2.1	71
2	Collective decision-making. <i>Current Opinion in Behavioral Sciences</i> , 2017, 16, 30-34.	3.9	60
3	Model of the best-of- $N$ nest-site selection process in honeybees. <i>Physical Review E</i> , 2017, 95, 052411.	2.1	54
4	Sophisticated collective foraging with minimalist agents: a swarm robotics test. <i>Swarm Intelligence</i> , 2020, 14, 25-56.	2.2	40
5	Psychophysical Laws and the Superorganism. <i>Scientific Reports</i> , 2018, 8, 4387.	3.3	36
6	Noise-assisted interactions of tumor and immune cells. <i>Physical Review E</i> , 2011, 84, 021927.	2.1	18
7	Effects of Spatiality on Value-Sensitive Decisions Made by Robot Swarms. <i>Springer Proceedings in Advanced Robotics</i> , 2018, , 461-473.	1.3	16
8	Correlation effects in the stochastic Landau-Lifshitz-Gilbert equation. <i>Physical Review B</i> , 2010, 81, .	3.2	15
9	Improving collective decision accuracy via time-varying cross-inhibition. , 2019, , .		13
10	Retardation effects in the Landau-Lifshitz-Gilbert equation. <i>Physical Review B</i> , 2011, 83, .	3.2	11
11	First-principles study of the Fe $\text{MgO}$ (0 0 1) interface: magnetic anisotropy. <i>Journal of Physics Condensed Matter</i> , 2016, 28, 156003.	1.8	8
12	Multiscale Modelling Tool: Mathematical modelling of collective behaviour without the maths. <i>PLoS ONE</i> , 2019, 14, e0222906.	2.5	8
13	Nonlinear magneto-optical response to light carrying orbital angular momentum. <i>Journal of Optics (United Kingdom)</i> , 2014, 16, 125201.	2.2	7
14	Influence of randomness and retardation on the FMR linewidth. <i>Physica Status Solidi (B): Basic Research</i> , 2012, 249, 172-180.	1.5	5
15	Inhibition and Excitation Shape Activity Selection: Effect of Oscillations in a Decision-Making Circuit. <i>Neural Computation</i> , 2019, 31, 870-896.	2.2	5
16	Comparison of magnitude-sensitive sequential sampling models in a simulation-based study. <i>Journal of Mathematical Psychology</i> , 2020, 94, 102298.	1.8	4
17	Lagrangian approach and dissipative magnetic systems. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2011, 375, 2452-2455.	2.1	3
18	Frequency-Sensitivity and Magnitude-Sensitivity in Decision-Making: Predictions of a Theoretical Model-Based Study. <i>Computational Brain &amp; Behavior</i> , 2020, 3, 66-85.	1.7	3

#	ARTICLE	IF	CITATIONS
19	Temperature gradient assisted magnetodynamics. Physics Letters, Section A: General, Atomic and Solid State Physics, 2012, 376, 3386-3391.	2.1	2
20	Nonlocal feedback in ferromagnetic resonance. Physical Review B, 2012, 85, .	3.2	2
21	Mesoscopic Modeling of Ferroelectric and Multiferroic Systems. , 0, , .		0
22	Multiscale Modelling Tool: Mathematical modelling of collective behaviour without the maths. , 2019, 14, e0222906.		0
23	Multiscale Modelling Tool: Mathematical modelling of collective behaviour without the maths. , 2019, 14, e0222906.		0
24	Multiscale Modelling Tool: Mathematical modelling of collective behaviour without the maths. , 2019, 14, e0222906.		0
25	Multiscale Modelling Tool: Mathematical modelling of collective behaviour without the maths. , 2019, 14, e0222906.		0