

# Tsevi Beatus

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7121370/publications.pdf>

Version: 2024-02-01

21  
papers

815  
citations

623734

14  
h-index

713466

21  
g-index

22  
all docs

22  
docs citations

22  
times ranked

873  
citing authors

#	ARTICLE	IF	CITATIONS
1	Phonons in a one-dimensional microfluidic crystal. <i>Nature Physics</i> , 2006, 2, 743-748.	16.7	157
2	The physics of 2D microfluidic droplet ensembles. <i>Physics Reports</i> , 2012, 516, 103-145.	25.6	93
3	Controlling roll perturbations in fruit flies. <i>Journal of the Royal Society Interface</i> , 2015, 12, 20150075.	3.4	89
4	Various p53 mutant types differently regulate the Ras circuit to induce a cancer-related gene signature. <i>Journal of Cell Science</i> , 2012, 125, 3144-52.	2.0	60
5	Anomalous Microfluidic Phonons Induced by the Interplay of Hydrodynamic Screening and Incompressibility. <i>Physical Review Letters</i> , 2007, 99, 124502.	7.8	58
6	Airborne Acoustic Perception by a Jumping Spider. <i>Current Biology</i> , 2016, 26, 2913-2920.	3.9	55
7	Wing-pitch modulation in maneuvering fruit flies is explained by an interplay between aerodynamics and a torsional spring. <i>Physical Review E</i> , 2015, 92, 022712.	2.1	43
8	Burgers Shock Waves and Sound in a 2D Microfluidic Droplets Ensemble. <i>Physical Review Letters</i> , 2009, 103, 114502.	7.8	41
9	Walking like an ant: a quantitative and experimental approach to understanding locomotor mimicry in the jumping spider <i>Myrmarachne formicaria</i> . <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017, 284, 20170308.	2.6	40
10	Long-range orientational order in two-dimensional microfluidic dipoles. <i>Nature Physics</i> , 2014, 10, 140-144.	16.7	39
11	Pitch perfect: how fruit flies control their body pitch angle. <i>Journal of Experimental Biology</i> , 2015, 218, 3508-19.	1.7	33
12	Damped oscillations in the adaptive response of the iron homeostasis network of <i>E. coli</i> . <i>Molecular Microbiology</i> , 2010, 76, 428-436.	2.5	21
13	circMbl functions in cis and in trans to regulate gene expression and physiology in a tissue-specific fashion. <i>Cell Reports</i> , 2022, 39, 110740.	6.4	19
14	Two-dimensional flow of driven particles: a microfluidic pathway to the non-equilibrium frontier. <i>Chemical Society Reviews</i> , 2017, 46, 5620-5646.	38.1	16
15	Oocyte aging is controlled by mitogen-activated protein kinase signaling. <i>Aging Cell</i> , 2021, 20, e13386.	6.7	15
16	An autonomous system for identifying and governing a cell's state in yeast. <i>Physical Biology</i> , 2007, 4, 154-163.	1.8	10
17	Distinct forms of resonant optimality within insect indirect flight motors. <i>Journal of the Royal Society Interface</i> , 2022, 19, 20220080.	3.4	10
18	Elastic-bound conditions for energetically optimal elasticity and their implications for biomimetic propulsion systems. <i>Nonlinear Dynamics</i> , 2022, 108, 2045-2074.	5.2	9

#	ARTICLE	IF	CITATIONS
19	One-Dimensional Microfluidic Crystals Far from Equilibrium. Progress of Theoretical Physics Supplement, 2008, 175, 123-130.	0.1	2
20	Fluid dynamics and control of insect flight. Nature Reviews Physics, 2019, 1, 638-639.	26.6	1
21	Measuring pupil size and light response through closed eyelids. Biomedical Optics Express, 2021, 12, 6485.	2.9	1