

# Jan F Tetz

## List of Publications by Year in descending order

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Version: 2024-02-01

18  
papers

468  
citations

933447

10  
h-index

940533

16  
g-index

20  
all docs

20  
docs citations

20  
times ranked

501  
citing authors

#	ARTICLE	IF	CITATIONS
1	Spiral wave chimera states in large populations of coupled chemical oscillators. <i>Nature Physics</i> , 2018, 14, 282-285.	16.7	175
2	Learning the space-time phase diagram of bacterial swarm expansion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 1489-1494.	7.1	86
3	Phase-lag synchronization in networks of coupled chemical oscillators. <i>Physical Review E</i> , 2015, 92, 022819.	2.1	49
4	Three-dimensional autonomous pacemaker in the photosensitive Belousov-Zhabotinsky medium. <i>Europhysics Letters</i> , 2014, 108, 10004.	2.0	25
5	Combinatorial patterns of graded RhoA activation and uniform F-actin depletion promote tissue curvature. <i>Development (Cambridge)</i> , 2021, 148, .	2.5	24
6	First-order synchronization transition in a large population of strongly coupled relaxation oscillators. <i>Science Advances</i> , 2020, 6, .	10.3	22
7	Spatial confinement causes lifetime enhancement and expansion of vortex rings with positive filament tension. <i>New Journal of Physics</i> , 2015, 17, 093043.	2.9	20
8	Actuation of Janus Emulsion Droplets via Optothermally Induced Marangoni Forces. <i>Physical Review Letters</i> , 2021, 127, 144503.	7.8	17
9	Transition from spiral wave chimeras to phase cluster states. <i>Scientific Reports</i> , 2020, 10, 7821.	3.3	13
10	Hysteresis and drift of spiral waves near heterogeneities: From chemical experiments to cardiac simulations. <i>Physical Review E</i> , 2016, 93, 022203.	2.1	11
11	Topological braiding and virtual particles on the cell membrane. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	9
12	Chimera States on a Ring of Strongly Coupled Relaxation Oscillators. <i>Frontiers in Applied Mathematics and Statistics</i> , 2019, 5, .	1.3	7
13	Control of transversal instabilities in reaction-diffusion systems. <i>New Journal of Physics</i> , 2018, 20, 053034.	2.9	3
14	Synchronization and Waves in Active Media. <i>Springer Theses</i> , 2019, , .	0.1	3
15	Directed adaptation of synchronization levels in oscillator communities. <i>Chaos</i> , 2019, 29, 063101.	2.5	3
16	Spiral Wave Chimera. <i>Springer Theses</i> , 2019, , 55-97.	0.1	1
17	A novel technique to initiate and investigate scroll waves in thin layers of the photosensitive Belousov-Zhabotinsky reaction. <i>European Physical Journal E</i> , 2016, 39, 61.	1.6	0
18	Confined Scroll Rings. <i>Springer Theses</i> , 2019, , 13-35.	0.1	0