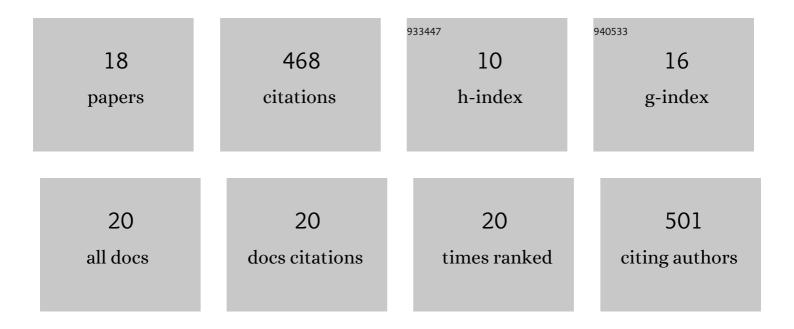
## Jan F Totz

## List of Publications by Year in descending order

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