Evgeniy Khain

List of Publications by Year
in descending order

29	745	623734	526287
papers	citations	14 h-index	27 g-index

30	30	30	543
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Dynamics of an Expanding Cell Monolayer. Journal of Statistical Physics, 2021, 184, 1.	1.2	4
2	Velocity fluctuations of stochastic reaction fronts propagating into an unstable state: Strongly pushed fronts. Physical Review E, 2020, 102, 022137.	2.1	2
3	Two-level modeling of quarantine. Physical Review E, 2020, 102, 022313.	2.1	9
4	Path-dependent course of epidemic: Are two phases of quarantine better than one?. Europhysics Letters, 2020, 132, 28003.	2.0	3
5	Modeling Cell Size Dynamics in a Confined Nonuniform Dense Cell Culture. Journal of Statistical Physics, 2019, 176, 299-311.	1.2	4
6	Effective pressure and cell area distribution in a confined monolayer. Fluid Dynamics Research, 2018, 50, 051413.	1.3	3
7	Thermal conductivity at the high-density limit and the levitating granular cluster. Physical Review E, 2018, 98, 012903.	2.1	1
8	Density-Dependent Regulation of Glioma Cell Proliferation and Invasion Mediated by miR-9. Cancer Microenvironment, 2016, 9, 149-159.	3.1	8
9	Noise induces rare events in granular media. Physical Review E, 2016, 94, 032905.	2.1	1
10	Spontaneous formation of large clusters in a lattice gas above the critical point. Physical Review E, 2014, 90, 062702.	2.1	10
11	Modeling chemotaxis of adhesive cells: stochastic lattice approach and continuum description. New Journal of Physics, 2014, 16, 025002.	2.9	26
12	Velocity fluctuations of noisy reaction fronts propagating into a metastable state. Journal of Physics A: Mathematical and Theoretical, 2013, 46, 125002.	2.1	7
13	Minimizing the Population Extinction Risk by Migration. Physical Review Letters, 2012, 109, 138104.	7.8	35
14	Fast Migration and Emergent Population Dynamics. Physical Review Letters, 2012, 109, 248102.	7.8	13
15	Migration of adhesive glioma cells: Front propagation and fingering. Physical Review E, 2012, 86, 011904.	2.1	32
16	Hydrodynamics of a vibrated granular monolayer. Physical Review E, 2011, 84, 031308.	2.1	14
17	Collective behavior of brain tumor cells: The role of hypoxia. Physical Review E, 2011, 83, 031920.	2.1	58
18	Resonant oscillations of a granular cluster. Complexity, 2008, 13, 45-49.	1.6	0

#	Article	IF	Citations
19	Generalized Cahn-Hilliard equation for biological applications. Physical Review E, 2008, 77, 051129.	2.1	84
20	Knudsen temperature jump and the Navier-Stokes hydrodynamics of granular gases driven by thermal walls. Physical Review E, 2008, 78, 041303.	2.1	7
21	The Role of Cell-Cell Adhesion in Wound Healing. Journal of Statistical Physics, 2007, 128, 209-218.	1.2	56
22	Dynamics and Pattern Formation in Invasive Tumor Growth. Physical Review Letters, 2006, 96, 188103.	7.8	100
23	A Stochastic Model for Wound Healing. Journal of Statistical Physics, 2006, 122, 909-924.	1.2	60
24	Shear-induced crystallization of a dense rapid granular flow: Hydrodynamics beyond the melting point. Physical Review E, 2006, 73, 061301.	2.1	38
25	A model for glioma growth. Complexity, 2005, 11, 53-57.	1.6	35
26	Phase diagram of van der Waalsâ€“like phase separation in a driven granular gas. Physical Review E, 2004, 70, 051310.	2.1	33
27	Onset of thermal convection in a horizontal layer of granular gas. Physical Review E, 2003, 67, 021306.	2.1	59
28	Symmetry-breaking instability in a prototypical driven granular gas. Physical Review E, 2002, 66, 021306.	2.1	41
29	Epidemic on a changing network: College outbreaks and vaccination. International Journal of Modern Physics C, 0, , .	1.7	1