Daniel Ricardo Parisi

List of Publications by Year
in descending order

35	1,843	361296	477173
papers	citations	20 h-index	29 g-index

36	36	36	998
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Clogging transition of many-particle systems flowing through bottlenecks. Scientific Reports, 2014, 4, 7324.	1.6	237
2	A modification of the Social Force Model can reproduce experimental data of pedestrian flows in normal conditions. Physica A: Statistical Mechanics and Its Applications, 2009, 388, 3600-3608.	1.2	215
3	Microscopic dynamics of pedestrian evacuation. Physica A: Statistical Mechanics and Its Applications, 2005, 354, 606-618.	1.2	190
4	Experimental proof of faster-is-slower in systems of frictional particles flowing through constrictions. Physical Review E, 2015, 92, 062817.	0.8	133
5	Morphological and dynamical aspects of the room evacuation process. Physica A: Statistical Mechanics and Its Applications, 2007, 385, 343-355.	1.2	123
6	Modeling of counter current moving bed gas-solid reactor used in direct reduction of iron ore. Chemical Engineering Journal, 2004, 104, 35-43.	6.6	109
7	Flow of pedestrians through narrow doors with different competitiveness. Journal of Statistical Mechanics: Theory and Experiment, 2016, 2016, 043402.	0.9	109
8	Solving differential equations with unsupervised neural networks. Chemical Engineering and Processing: Process Intensification, 2003, 42, 715-721.	1.8	84
9	Experimental Evidence of the â€œFaster Is Slowerâ€•Effect. Transportation Research Procedia, 2014, 2, 760-767.	0.8	78
10	Experimental evidence of the â€œFaster is Slowerâ€•effect in the evacuation of ants. Safety Science, 2012, 50, 1584-1588.	2.6	77
11	Redefining the role of obstacles in pedestrian evacuation. New Journal of Physics, 2018, 20, 123025.	1.2	58
12	Clogging Transition of Vibration-Driven Vehicles Passing through Constrictions. Physical Review Letters, 2017, 119, 248301.	2.9	53
13	Faster-is-slower effect in escaping ants revisited: Ants do not behave like humans. Safety Science, 2015, 72, 274-282.	2.6	50
14	Efficient Egress of Escaping Ants Stressed with Temperature. PLoS ONE, 2013, 8, e81082.	1.1	45
15	Continuous-space automaton model for pedestrian dynamics. Physical Review E, 2011, 83, 056117.	0.8	37
16	Financial price dynamics and pedestrian counterflows: A comparison of statistical stylized facts. Physical Review E, 2013, 87, 012804.	0.8	37
17	Experimental characterization of collision avoidance in pedestrian dynamics. Physical Review E, 2016, 94, 022318.	0.8	35
18	Simulating competitive egress of noncircular pedestrians. Physical Review E, 2017, 95, 042319.	0.8	24

#	Article	IF	Citations
19	Modeling steady-state heterogeneous gasâ€“solid reactors using feedforward neural networks. Computers and Chemical Engineering, 2001, 25, 1241-1250.	2.0	22
20	THE ROLE OF PANIC IN THE ROOM EVACUATION PROCESS. International Journal of Modern Physics C, 2006, 17, 419-434.	0.8	20
21	Partitioned Distinct Element Method Simulation of Granular Flow within Industrial Silos. Journal of Engineering Mechanics - ASCE, 2004, 130, 771-779.	1.6	19
22	Influence of bottleneck lengths and position on simulated pedestrian egress. Papers in Physics, 2017, 9, .	0.2	18
23	Active particles with desired orientation flowing through a bottleneck. Scientific Reports, 2018, 8, 9133.	1.6	16
24	Pedestrian dynamics at the running of the bulls evidence an inaccessible region in the fundamental diagram. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	14
25	Data-driven simulation of pedestrian collision avoidance with a nonparametric neural network. Neurocomputing, 2020, 379, 130-140.	3.5	8
26	Effect of physical distancing on the speedâ€“density relation in pedestrian dynamics. Journal of Statistical Mechanics: Theory and Experiment, 2021, 2021, 043401.	0.9	8
27	Properties of balanced flows with bottlenecks: Common stylized facts in finance and vibration-driven vehicles. Physical Review E, 2020, 101, 042302.	0.8	6
28	â€œFaster Is Slowerâ€•Effect in Granular Flows. , 2013, , 317-324.		6
29	Human-Ant Behavior in Evacuation Dynamics. , 2015, , 203-211.		4
30	People counting using visible and infrared images. Neurocomputing, 2021, 450, 25-32.	3.5	3
31	Approximation by Neural Network of the Effectiveness Factor in a Catalyst with Deactivation. Chemical Engineering and Technology, 2002, 25, 1183-1186.	0.9	2
32	Sequential evacuation strategy for multiple rooms toward the same means of egress. Papers in Physics, 0, 6, 060013.	0.2	2
33	Pedestrian Pulse Dispersion in an Underground Station. , 2005, , 411-415.		1
34	Elongated Self-propelled Particles Roaming a Closed Arena Present Financial Stylized Facts. Springer Proceedings in Physics, 2020, , 421-427.	0.1	0
35	Population and Distance Criteria for Pedestrian Decisions. , 2005, , 417-421.		0