

Francesca Di Patti

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

650
citations

759233

12
h-index

580821

25
g-index

41
all docs

41
docs citations

41
times ranked

573
citing authors

#	ARTICLE	IF	CITATIONS
1	A unique circulating miRNA profile highlights thrombo-inflammation in Behçet's syndrome. <i>Annals of the Rheumatic Diseases</i> , 2022, 81, 386-397.	0.9	17
2	Stability of synchronization in simplicial complexes. <i>Nature Communications</i> , 2021, 12, 1255.	12.8	117
3	Robust, coherent, and synchronized circadian clock-controlled oscillations along <i>Anabaena</i> filaments. <i>ELife</i> , 2021, 10, .	6.0	14
4	Circulating miRNome profiling data in Behçet's syndrome. <i>Data in Brief</i> , 2021, 38, 107435.	1.0	3
5	Thermodynamics of DNA denaturation in a model of bacterial intergenic sequences. <i>Chaos, Solitons and Fractals</i> , 2020, 130, 109446.	5.1	2
6	Analysis of resorbable mesh implants in short-term human muscular fascia cultures: a pilot study. <i>Hernia: the Journal of Hernias and Abdominal Wall Surgery</i> , 2020, 24, 1283-1291.	2.0	1
7	Diauxie and co-utilization of carbon sources can coexist during bacterial growth in nutritionally complex environments. <i>Nature Communications</i> , 2020, 11, 3135.	12.8	51
8	A synthetic ecosystem for the multi-level modelling of heterotroph-phototroph metabolic interactions. <i>Ecological Modelling</i> , 2019, 399, 13-22.	2.5	10
9	A Method for the Structure-Based, Genome-Wide Analysis of Bacterial Intergenic Sequences Identifies Shared Compositional and Functional Features. <i>Genes</i> , 2019, 10, 834.	2.4	0
10	Hopping in the Crowd to Unveil Network Topology. <i>Physical Review Letters</i> , 2018, 120, 158301.	7.8	20
11	Ginzburg-Landau approximation for self-sustained oscillators weakly coupled on complex directed graphs. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2018, 56, 447-456.	3.3	11
12	Noise-Seedled Developmental Pattern Formation in Filamentous Cyanobacteria. <i>Life</i> , 2018, 8, 58.	2.4	5
13	Robust stochastic Turing patterns in the development of a one-dimensional cyanobacterial organism. <i>PLoS Biology</i> , 2018, 16, e2004877.	5.6	30
14	Benjamin-Feir instabilities on directed networks. <i>Chaos, Solitons and Fractals</i> , 2017, 96, 8-16.	5.1	15
15	Topological stabilization for synchronized dynamics on networks. <i>European Physical Journal B</i> , 2017, 90, 1.	1.5	14
16	Drift-induced Benjamin-Feir instabilities. <i>Europhysics Letters</i> , 2016, 114, 68003.	2.0	4
17	Multiple-scale theory of topology-driven patterns on directed networks. <i>Physical Review E</i> , 2016, 93, 032317.	2.1	14
18	The second will be first: competition on directed networks. <i>Scientific Reports</i> , 2016, 6, 27116.	3.3	4

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19	Noise processing by microRNA-mediated circuits: The Incoherent Feed-Forward Loop, revisited. Heliyon, 2016, 2, e00095.	3.2	11
20	Optimal search strategies on complex multi-linked networks. Scientific Reports, 2015, 5, 9869.	3.3	9
21	Genome-Wide Analysis of Promoters: Clustering by Alignment and Analysis of Regular Patterns. PLoS ONE, 2014, 9, e85260.	2.5	5
22	Turing instabilities in reaction-diffusion systems with cross diffusion. European Physical Journal B, 2013, 86, 1.	1.5	33
23	Stochastic Turing patterns on a network. Physical Review E, 2012, 86, 046105.	2.1	35
24	Analytical study of non Gaussian fluctuations in a stochastic scheme of autocatalytic reactions. European Physical Journal: Special Topics, 2012, 212, 5-22.	2.6	8
25	System size expansion for systems with an absorbing state. Physical Review E, 2011, 83, 010102.	2.1	6
26	Deterministic and stochastic aspects of VEGF-A production and the cooperative behavior of tumoral cell colony. Journal of Theoretical Biology, 2011, 272, 55-63.	1.7	6
27	Non-Gaussian fluctuations in stochastic models with absorbing barriers. Europhysics Letters, 2011, 96, 50011.	2.0	7
28	On the molecular mechanisms driving pain perception and emergent collective behaviors. Communications in Nonlinear Science and Numerical Simulation, 2010, 15, 1385-1399.	3.3	1
29	Stochastic Turing patterns in the Brusselator model. Physical Review E, 2010, 81, 046215.	2.1	122
30	Spatial model of autocatalytic reactions. Physical Review E, 2010, 81, 056110.	2.1	19
31	Enhanced stochastic oscillations in autocatalytic reactions. Physical Review E, 2009, 79, 036112.	2.1	39
32	A stochastic reaction scheme for drug/metabolite interaction. Journal of Theoretical Biology, 2009, 259, 382-388.	1.7	0
33	Can a microscopic stochastic model explain the emergence of pain cycles in patients?. Journal of Statistical Mechanics: Theory and Experiment, 2009, 2009, P01004.	2.3	5
34	Modelling the pharmacokinetics of tramadol: On the difference between CYP2D6 extensive and poor metabolizers. Journal of Theoretical Biology, 2008, 254, 568-574.	1.7	7
35	Biologically Inspired Classifier. Lecture Notes in Computer Science, 2008, , 332-339.	1.3	0
36	PHASE EQUILIBRIA OF POLYDISPERSE HYDROCARBONS: MOMENT FREE ENERGY METHOD ANALYSIS. , 2007, , .		0

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37	An "Incremental" mathematical model for Immune Thrombocytopenic Purpura (ITP). <i>Mathematical and Computer Modelling</i> , 2005, 42, 1299-1314.	2.0	5