

Michele Caraglio

List of Publications by Year in descending order

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687363

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37
docs citations

37
times ranked

380
citing authors

#	ARTICLE	IF	CITATIONS
1	Topological Friction and Relaxation Dynamics of Spatially Confined Catenated Polymers. ACS Macro Letters, 2022, 11, 1-6.	4.8	6
2	Geometric Predictors of Knotted and Linked Arcs. ACS Polymers Au, 2022, 2, 341-350.	4.1	4
3	Target Search of Active Agents Crossing High Energy Barriers. Physical Review Letters, 2021, 126, 018001.	7.8	15
4	Tagged-particle motion in quasi-confined colloidal hard-sphere liquids. Journal of Statistical Mechanics: Theory and Experiment, 2021, 2021, 043301.	2.3	0
5	Entropic measure unveils country competitiveness and product specialization in the World trade web. Scientific Reports, 2021, 11, 10189.	3.3	9
6	Emergence of effective temperatures in an out-of-equilibrium model of biopolymer folding. Physical Review E, 2021, 103, 062415.	2.1	1
7	An Improved Integration Scheme for Mode-Coupling-Theory Equations. Communications in Computational Physics, 2021, 29, 628-648.	1.7	1
8	Optimal navigation strategy of active Brownian particles in target-search problems. Journal of Chemical Physics, 2021, 155, 084901.	3.0	16
9	How Fast Does the Clock of Finance Run? A Time-Definition Enforcing Stationarity and Quantifying Overnight Duration. Journal of Risk and Financial Management, 2021, 14, 384.	2.3	1
10	Topological Disentanglement of Linear Polymers under Tension. Polymers, 2020, 12, 2580.	4.5	6
11	Dynamical properties of densely packed confined hard-sphere fluids. Physical Review E, 2020, 102, 012612.	2.1	7
12	Transition path times in asymmetric barriers. Physical Chemistry Chemical Physics, 2020, 22, 3512-3519.	2.8	8
13	Translocation of links through a pore: effects of link complexity and size. Journal of Statistical Mechanics: Theory and Experiment, 2020, 2020, 043203.	2.3	15
14	Dynamic properties of quasi-confined colloidal hard-sphere liquids near the glass transition. Journal of Statistical Mechanics: Theory and Experiment, 2020, 2020, 093301.	2.3	5
15	Twist-bend coupling, twist waves, and the shape of DNA loops. Physical Review E, 2019, 100, 022402.	2.1	19
16	Plectoneme dynamics and statistics in braided polymers. Physical Review E, 2019, 99, 052503.	2.1	8
17	Topological Disentanglement Dynamics of Torus Knots on Open Linear Polymers. ACS Macro Letters, 2019, , 576-581.	4.8	7
18	Topologically Linked Chains in Confinement. ACS Macro Letters, 2019, 8, 442-446.	4.8	16

#	ARTICLE	IF	CITATIONS
19	Overtwisting induces polygonal shapes in bent DNA. <i>Journal of Chemical Physics</i> , 2019, 150, 135101.	3.0	17
20	Growth dynamics and complexity of national economies in the global trade network. <i>Scientific Reports</i> , 2018, 8, 15230.	3.3	11
21	The influence of absorbing boundary conditions on the transition path time statistics. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 25676-25682.	2.8	10
22	Data Driven Approach to the Dynamics of Import and Export of G7 Countries. <i>Entropy</i> , 2018, 20, 735.	2.2	2
23	Physical Links: defining and detecting inter-chain entanglement. <i>Scientific Reports</i> , 2017, 7, 1156.	3.3	33
24	Driven Translocation of Linked Ring Polymers through a Pore. <i>Macromolecules</i> , 2017, 50, 9437-9444.	4.8	13
25	Mechanical Pulling of Linked Ring Polymers: Elastic Response and Link Localisation. <i>Polymers</i> , 2017, 9, 327.	4.5	21
26	Export dynamics as an optimal growth problem in the network of global economy. <i>Scientific Reports</i> , 2016, 6, 31461.	3.3	6
27	Stretching Response of Knotted and Unknotted Polymer Chains. <i>Physical Review Letters</i> , 2015, 115, 188301.	7.8	43
28	Ensemble properties of high-frequency data and intraday trading rules. <i>Quantitative Finance</i> , 2015, 15, 231-245.	1.7	4
29	Option pricing with non-Gaussian scaling and infinite-state switching volatility. <i>Journal of Econometrics</i> , 2015, 187, 486-497.	6.5	4
30	Energy transfer in molecular devices. <i>Physical Review E</i> , 2014, 90, 062712.	2.1	3
31	Scaling symmetry, renormalization, and time series modeling: The case of financial assets dynamics. <i>Physical Review E</i> , 2013, 88, 062808.	2.1	7
32	Aftershock Prediction for High-Frequency Financial Markets's Dynamics. <i>New Economic Windows</i> , 2013, , 49-58.	1.0	4
33	Effects of confinement on thermal stability and folding kinetics in a simple Ising-like model. <i>Physical Biology</i> , 2012, 9, 016006.	1.8	16
34	Direction-dependent mechanical unfolding and green fluorescent protein as a force sensor. <i>Physical Review E</i> , 2011, 84, 021918.	2.1	14
35	Pathways of mechanical unfolding of FnIII10: Low force intermediates. <i>Journal of Chemical Physics</i> , 2010, 133, 065101.	3.0	14
36	Entanglement entropy and twist fields. <i>Journal of High Energy Physics</i> , 2008, 2008, 076-076.	4.7	107