

Mario Nicodemi

List of Publications by Year in descending order

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172
papers

6,780
citations

81900

39
h-index

82547

72
g-index

190
all docs

190
docs citations

190
times ranked

5140
citing authors

#	ARTICLE	IF	CITATIONS
1	Complex multi-enhancer contacts captured by genome architecture mapping. <i>Nature</i> , 2017, 543, 519-524.	27.8	562
2	Complexity of chromatin folding is captured by the strings and binders switch model. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 16173-16178.	7.1	493
3	Slow relaxation and compaction of granular systems. <i>Nature Materials</i> , 2005, 4, 121-128.	27.5	351
4	Hierarchical folding and reorganization of chromosomes are linked to transcriptional changes in cellular differentiation. <i>Molecular Systems Biology</i> , 2015, 11, 852.	7.2	305
5	Universal Fluctuations in Correlated Systems. <i>Physical Review Letters</i> , 2000, 84, 3744-3747.	7.8	225
6	Polymer physics predicts the effects of structural variants on chromatin architecture. <i>Nature Genetics</i> , 2018, 50, 662-667.	21.4	179
7	Promoter-proximal CTCF binding promotes distal enhancer-dependent gene activation. <i>Nature Structural and Molecular Biology</i> , 2021, 28, 152-161.	8.2	172
8	Polymer physics of chromosome large-scale 3D organisation. <i>Scientific Reports</i> , 2016, 6, 29775.	3.3	160
9	Single-allele chromatin interactions identify regulatory hubs in dynamic compartmentalized domains. <i>Nature Genetics</i> , 2018, 50, 1744-1751.	21.4	150
10	Dynamic 3D chromatin architecture contributes to enhancer specificity and limb morphogenesis. <i>Nature Genetics</i> , 2018, 50, 1463-1473.	21.4	147
11	A "Tetris-Like" Model for the Compaction of Dry Granular Media. <i>Physical Review Letters</i> , 1997, 79, 1575-1578.	7.8	141
12	Preformed chromatin topology assists transcriptional robustness of <i>Shh</i> during limb development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 12390-12399.	7.1	131
13	Frustration and slow dynamics of granular packings. <i>Physical Review E</i> , 1997, 55, 3962-3969.	2.1	117
14	Thermodynamic Pathways to Genome Spatial Organization in the Cell Nucleus. <i>Biophysical Journal</i> , 2009, 96, 2168-2177.	0.5	113
15	Cell-type specialization is encoded by specific chromatin topologies. <i>Nature</i> , 2021, 599, 684-691.	27.8	112
16	Nonequilibrium Chromosome Looping via Molecular Slip Links. <i>Physical Review Letters</i> , 2017, 119, 138101.	7.8	105
17	Models of chromosome structure. <i>Current Opinion in Cell Biology</i> , 2014, 28, 90-95.	5.4	100
18	Universality in Solar Flare and Earthquake Occurrence. <i>Physical Review Letters</i> , 2006, 96, 051102.	7.8	95

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19	CTCF mediates dosage- and sequence-context-dependent transcriptional insulation by forming local chromatin domains. <i>Nature Genetics</i> , 2021, 53, 1064-1074.	21.4	90
20	Active and poised promoter states drive folding of the extended HoxB locus in mouse embryonic stem cells. <i>Nature Structural and Molecular Biology</i> , 2017, 24, 515-524.	8.2	80
21	Polymer physics indicates chromatin folding variability across single-cells results from state degeneracy in phase separation. <i>Nature Communications</i> , 2020, 11, 3289.	12.8	79
22	Dynamical Response Functions in Models of Vibrated Granular Media. <i>Physical Review Letters</i> , 1999, 82, 3734-3737.	7.8	77
23	Aging in Out-of-Equilibrium Dynamics of Models for Granular Media. <i>Physical Review Letters</i> , 1999, 82, 916-919.	7.8	77
24	Jamming phase diagram for frictional particles. <i>Physical Review E</i> , 2011, 84, 041308.	2.1	76
25	Release of paused RNA polymerase II at specific loci favors DNA double-strand-break formation and promotes cancer translocations. <i>Nature Genetics</i> , 2019, 51, 1011-1023.	21.4	73
26	Shear Instabilities in Granular Mixtures. <i>Physical Review Letters</i> , 2005, 94, 188001.	7.8	71
27	Thermodynamics and Statistical Mechanics of Dense Granular Media. <i>Physical Review Letters</i> , 2006, 97, 158001.	7.8	70
28	Granular Species Segregation under Vertical Tapping: Effects of Size, Density, Friction, and Shaking Amplitude. <i>Physical Review Letters</i> , 2006, 96, 058001.	7.8	69
29	Single-cell analysis of CD4+ T-cell differentiation reveals three major cell states and progressive acceleration of proliferation. <i>Genome Biology</i> , 2016, 17, 103.	8.8	65
30	Symmetry-Breaking Model for X-Chromosome Inactivation. <i>Physical Review Letters</i> , 2007, 98, 108104.	7.8	64
31	Recent results on the jamming phase diagram. <i>Soft Matter</i> , 2010, 6, 2871.	2.7	56
32	Challenges and guidelines toward 4D nucleome data and model standards. <i>Nature Genetics</i> , 2018, 50, 1352-1358.	21.4	47
33	Electrical resistivity tomography and statistical analysis in landslide modelling: A conceptual approach. <i>Journal of Applied Geophysics</i> , 2009, 68, 151-158.	2.1	46
34	Segregation of granular mixtures in the presence of compaction. <i>Europhysics Letters</i> , 1998, 43, 591-597.	2.0	45
35	A statistical mechanics approach to the inherent states of granular media. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2001, 296, 451-459.	2.6	44
36	RNA polymerase II primes Polycomb-repressed developmental genes throughout terminal neuronal differentiation. <i>Molecular Systems Biology</i> , 2017, 13, 946.	7.2	44

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37	A Thermodynamic Switch for Chromosome Colocalization. <i>Genetics</i> , 2008, 179, 717-721.	2.9	43
38	Record dynamics and the observed temperature plateau in the magnetic creep-rate of type-II superconductors. <i>Physical Review B</i> , 2005, 71, .	3.2	42
39	Predicting chromatin architecture from models of polymer physics. <i>Chromosome Research</i> , 2017, 25, 25-34.	2.2	42
40	The compaction in granular media and frustrated Ising models. <i>Journal of Physics A</i> , 1997, 30, L379-L385.	1.6	41
41	Equilibrium distribution of the inherent states and their dynamics in glassy systems and granular media. <i>Europhysics Letters</i> , 2002, 59, 642-647.	2.0	40
42	The glassy transition of the frustrated Ising lattice gas. <i>Journal of Physics A</i> , 1997, 30, L187-L194.	1.6	39
43	Creep of Superconducting Vortices in the Limit of Vanishing Temperature: A Fingerprint of Off-Equilibrium Dynamics. <i>Physical Review Letters</i> , 2001, 86, 4378-4381.	7.8	39
44	Comparison of the Hi-C, GAM and SPRITE methods using polymer models of chromatin. <i>Nature Methods</i> , 2021, 18, 482-490.	19.0	39
45	Glass transition in granular media. <i>Europhysics Letters</i> , 2004, 66, 531-537.	2.0	38
46	Flow, Ordering, and Jamming of Sheared Granular Suspensions. <i>Physical Review Letters</i> , 2008, 100, 078001.	7.8	38
47	A Dynamic Folded Hairpin Conformation Is Associated with $\hat{I}\pm$ -Globin Activation in Erythroid Cells. <i>Cell Reports</i> , 2020, 30, 2125-2135.e5.	6.4	38
48	Equilibrium Properties of the Ising Frustrated Lattice Gas. <i>Journal De Physique, I</i> , 1996, 6, 1143-1152.	1.2	38
49	Force Correlations and Arch Formation in Granular Assemblies. <i>Physical Review Letters</i> , 1998, 80, 1340-1343.	7.8	37
50	Thermodynamics and statistical mechanics of frozen systems in inherent states. <i>Physical Review E</i> , 2002, 66, 061301.	2.1	36
51	The jamming transition of granular media. <i>Journal of Physics Condensed Matter</i> , 2000, 12, 6601-6610.	1.8	35
52	Loop-extrusion and polymer phase-separation can co-exist at the single-molecule level to shape chromatin folding. <i>Nature Communications</i> , 2022, 13, .	12.8	35
53	Critical clusters and efficient dynamics for frustrated spin models. <i>Physical Review Letters</i> , 1994, 72, 1541-1544.	7.8	34
54	Macroscopic glassy relaxations and microscopic motions in a frustrated lattice gas. <i>Physical Review E</i> , 1998, 57, R39-R42.	2.1	33

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55	Segregation in hard-sphere mixtures under gravity. An extension of Edwards approach with two thermodynamical parameters. <i>Europhysics Letters</i> , 2002, 60, 684-690.	2.0	33
56	A cellular automaton for the factor of safety field in landslides modeling. <i>Geophysical Research Letters</i> , 2006, 33, n/a-n/a.	4.0	32
57	A polymer model explains the complexity of large-scale chromatin folding. <i>Nucleus</i> , 2013, 4, 267-273.	2.2	32
58	A novel approach to simulate gene-environment interactions in complex diseases. <i>BMC Bioinformatics</i> , 2010, 11, 8.	2.6	31
59	Computational approaches from polymer physics to investigate chromatin folding. <i>Current Opinion in Cell Biology</i> , 2020, 64, 10-17.	5.4	31
60	Continuously driven OFC: A simple model of solar flare statistics. <i>Astronomy and Astrophysics</i> , 2002, 387, 326-334.	5.1	31
61	Conformation Regulation of the X Chromosome Inactivation Center: A Model. <i>PLoS Computational Biology</i> , 2011, 7, e1002229.	3.2	29
62	Performance of genetic programming to extract the trend in noisy data series. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2006, 370, 104-108.	2.6	28
63	Self-Assembly and DNA Binding of the Blocking Factor in X Chromosome Inactivation. <i>PLoS Computational Biology</i> , 2007, 3, e210.	3.2	27
64	Molecular Dynamics simulations of the Strings and Binders Switch model of chromatin. <i>Methods</i> , 2018, 142, 81-88.	3.8	27
65	Structure of the human chromosome interaction network. <i>PLoS ONE</i> , 2017, 12, e0188201.	2.5	27
66	Ageing and memory phenomena in magnetic and transport properties of vortex matter. <i>Journal of Physics A</i> , 2001, 34, 8425-8443.	1.6	26
67	Percolation and cluster Monte Carlo dynamics for spin models. <i>Physical Review E</i> , 1996, 54, 175-189.	2.1	25
68	A stochastic model dissects cell states in biological transition processes. <i>Scientific Reports</i> , 2014, 4, 3692.	3.3	24
69	Finite driving rate and anisotropy effects in landslide modeling. <i>Physical Review E</i> , 2006, 73, 026123.	2.1	22
70	Polymer models of the hierarchical folding of the Hox-B chromosomal locus. <i>Physical Review E</i> , 2016, 94, 042402.	2.1	22
71	Universality in glassy systems. <i>Journal of Physics Condensed Matter</i> , 1999, 11, A167-A174.	1.8	21
72	Modeling Single-Molecule Conformations of the HoxD Region in Mouse Embryonic Stem and Cortical Neuronal Cells. <i>Cell Reports</i> , 2019, 28, 1574-1583.e4.	6.4	21

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73	Granular packs under vertical tapping: Structure evolution, grain motion, and dynamical heterogeneities. <i>Physical Review E</i> , 2007, 75, 021303.	2.1	20
74	Mechanics and Dynamics of X-Chromosome Pairing at X Inactivation. <i>PLoS Computational Biology</i> , 2008, 4, e1000244.	3.2	20
75	Compaction and force propagation in granular packings. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1997, 240, 405-418.	2.6	19
76	A model of the large-scale organization of chromatin. <i>Biochemical Society Transactions</i> , 2013, 41, 508-512.	3.4	19
77	Density fluctuations in a model for vibrated granular media. <i>Physical Review E</i> , 1999, 59, 6830-6837.	2.1	18
78	Off-equilibrium magnetic properties in a model of repulsive particles for vortices in superconductors. <i>Journal of Physics A</i> , 2001, 34, L11-L18.	1.6	18
79	Glass-Glass Transition and New Dynamical Singularity Points in an Analytically Solvable p-Spin Glasslike Model. <i>Physical Review Letters</i> , 2004, 93, 215701.	7.8	18
80	Critical Behavior and Axis Defining Symmetry Breaking in <i>Hydra</i> Embryonic Development. <i>Physical Review Letters</i> , 2012, 108, 158103.	7.8	18
81	Polymer physics reveals a combinatorial code linking 3D chromatin architecture to 1D chromatin states. <i>Cell Reports</i> , 2022, 38, 110601.	6.4	18
82	Dynamically Induced Effective Interaction in Periodically Driven Granular Mixtures. <i>Physical Review Letters</i> , 2006, 97, 038001.	7.8	16
83	Bramwell et al. Reply. <i>Physical Review Letters</i> , 2002, 89, .	7.8	15
84	Polymer physics, scaling and heterogeneity in the spatial organisation of chromosomes in the cell nucleus. <i>Soft Matter</i> , 2013, 9, 8631.	2.7	15
85	Polymer models of chromatin organization. <i>Frontiers in Genetics</i> , 2013, 4, 113.	2.3	15
86	Applications of the statistical mechanics of inherent states to granular media. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2001, 302, 193-201.	2.6	14
87	Equilibrium and off-equilibrium dynamics in a model for vortices in superconductors. <i>Physical Review B</i> , 2002, 65, .	3.2	14
88	Shear-induced segregation of a granular mixture under horizontal oscillation. <i>Journal of Physics Condensed Matter</i> , 2005, 17, S2549-S2556.	1.8	14
89	The colocalization transition of homologous chromosomes at meiosis. <i>Physical Review E</i> , 2008, 77, 061913.	2.1	14
90	Models of polymer physics for the architecture of the cell nucleus. <i>Wiley Interdisciplinary Reviews: Systems Biology and Medicine</i> , 2019, 11, e1444.	6.6	14

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91	Scaling properties in off-equilibrium dynamical processes. <i>Physical Review E</i> , 1999, 59, 2812-2816.	2.1	13
92	Jamming transition in granular media: A mean-field approximation and numerical simulations. <i>Physical Review E</i> , 2005, 71, 061305.	2.1	13
93	Segregation in Fluidized versus Tapped Packs. <i>Physical Review Letters</i> , 2004, 93, 198002.	7.8	12
94	Size Segregation in Granular Media Induced by Phase Transition. <i>Physical Review Letters</i> , 2005, 95, 078001.	7.8	12
95	Statistical properties and universality in earthquake and solar flare occurrence. <i>European Physical Journal B</i> , 2008, 64, 551-555.	1.5	12
96	Inference of chromosome 3D structures from GAM data by a physics computational approach. <i>Methods</i> , 2020, 181-182, 70-79.	3.8	12
97	Efficient cluster dynamics for the fully frustrated XY model. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1996, 233, 293-306.	2.6	11
98	Bramwellet al.Reply:. <i>Physical Review Letters</i> , 2001, 87, .	7.8	11
99	Phenomenology and theory of horizontally oscillated granular mixtures. <i>European Physical Journal E</i> , 2007, 22, 227-34.	1.6	11
100	Physical mechanisms behind the large scale features of chromatin organization. <i>Transcription</i> , 2014, 5, e28447.	3.1	11
101	A Polymer Physics Investigation of the Architecture of the Murine Orthologue of the 7q11.23 Human Locus. <i>Frontiers in Neuroscience</i> , 2017, 11, 559.	2.8	11
102	Divergent Transcription of the Nkx2-5 Locus Generates Two Enhancer RNAs with Opposing Functions. <i>IScience</i> , 2020, 23, 101539.	4.1	11
103	8-oxodG accumulation within super-enhancers marks fragile CTCF-mediated chromatin loops. <i>Nucleic Acids Research</i> , 2022, 50, 3292-3306.	14.5	11
104	Cooperative length approach for granular media. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1999, 265, 311-318.	2.6	10
105	Vortex clustering: The origin of the second peak in the magnetisation loops of type-two superconductors. <i>Europhysics Letters</i> , 2000, 52, 210-216.	2.0	10
106	Off-equilibrium properties of vortex creep in superconductors. <i>Europhysics Letters</i> , 2001, 54, 566-572.	2.0	10
107	Symmetry breaking mechanism for epithelial cell polarization. <i>Physical Review E</i> , 2009, 80, 031919.	2.1	10
108	Physical mechanisms of chromatin spatial organization. <i>FEBS Journal</i> , 2022, 289, 1180-1190.	4.7	10

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109	Domains growth and packing properties in driven granular media subject to gravity. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2000, 285, 267-278.	2.6	9
110	Dynamic membrane patterning, signal localization and polarity in living cells. <i>Soft Matter</i> , 2015, 11, 838-849.	2.7	9
111	Memory effects in response functions of driven vortex matter. <i>Europhysics Letters</i> , 2002, 57, 348-354.	2.0	8
112	Probability distribution of inherent states in models of granular media and glasses. <i>European Physical Journal E</i> , 2002, 9, 219-226.	1.6	8
113	Shear- and vibration-induced order-disorder transitions in granular media. <i>European Physical Journal E</i> , 2007, 24, 411-415.	1.6	8
114	Diffusion-based DNA target colocalization by thermodynamic mechanisms. <i>Development (Cambridge)</i> , 2010, 137, 3877-3885.	2.5	8
115	Colocalization of Multiple DNA Loci: A Physical Mechanism. <i>Biophysical Journal</i> , 2012, 103, 2223-2232.	0.5	8
116	Polymer models of the organization of chromosomes in the nucleus of cells. <i>Modern Physics Letters B</i> , 2015, 29, 1530003.	1.9	8
117	Polymer models are a versatile tool to study chromatin 3D organization. <i>Biochemical Society Transactions</i> , 2021, 49, 1675-1684.	3.4	8
118	Percolation and cluster formalism in continuous spin systems. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1997, 238, 9-22.	2.6	7
119	Off-Equilibrium Dynamics in a Singular Diffusion Model. <i>Physical Review Letters</i> , 1999, 83, 5054-5057.	7.8	7
120	Edwards's approach to horizontal and vertical segregation in a mixture of hard spheres under gravity. <i>Journal of Physics Condensed Matter</i> , 2003, 15, S1095-S1105.	1.8	7
121	Phase transitions and aging phenomena in dielectriclike polymeric materials investigated by ac measurements. <i>Journal of Applied Physics</i> , 2007, 101, 044910.	2.5	7
122	Generalized percolation models for frustrated spin systems. <i>Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics</i> , 1994, 16, 1259-1264.	0.4	6
123	Dynamics and thermodynamics of the spherical frustrated Blume-Emery-Griffiths model. <i>Physical Review E</i> , 2002, 66, 046101.	2.1	6
124	Stationary probability distribution in granular media. <i>Physica D: Nonlinear Phenomena</i> , 2004, 193, 292-302.	2.8	6
125	On Edwards's theory of powders. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2004, 339, 1-6.	2.6	6
126	A model of volcanic magma transport by fracturing stress mechanisms. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	6

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127	The scaling features of the 3D organization of chromosomes are highlighted by a transformation \tilde{A} la Kadanoff of Hi-C data. <i>Europhysics Letters</i> , 2017, 120, 40004.	2.0	6
128	A phenomenological theory of dynamic processes in granular media. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1998, 257, 448-453.	2.6	5
129	Statistical mechanics approach to the jamming transition in granular materials. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2004, 344, 431-439.	2.6	5
130	INTERNAL AVALANCHES IN MODELS OF GRANULAR MEDIA. <i>Fractals</i> , 1999, 07, 51-58.	3.7	4
131	Logarithmic relaxations in a random-field lattice gas subject to gravity. <i>Physical Review E</i> , 1999, 59, 3858-3863.	2.1	4
132	Aggregation of fibrils and plaques in amyloid molecular systems. <i>Physical Review E</i> , 2009, 80, 041914.	2.1	4
133	Polymer Physics of the Large-Scale Structure of Chromatin. <i>Methods in Molecular Biology</i> , 2016, 1480, 201-206.	0.9	4
134	Chromosomes Phase Transition to Function. <i>Biophysical Journal</i> , 2020, 119, 724-725.	0.5	4
135	Single-Cell States in the Estrogen Response of Breast Cancer Cell Lines. <i>PLoS ONE</i> , 2014, 9, e88485.	2.5	4
136	Geometrical frustration: a dynamical motor for dry granular media. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1998, 257, 419-423.	2.6	3
137	Nicodemi and Jensen Reply. <i>Physical Review Letters</i> , 2001, 87, .	7.8	3
138	Phase coexistence and relaxation of the spherical frustrated Blume-Emery-Griffiths model with attractive particles coupling. <i>Europhysics Letters</i> , 2004, 65, 256-261.	2.0	3
139	Passive DNA shuttling. <i>Europhysics Letters</i> , 2010, 92, 20002.	2.0	3
140	Mean-Field Theory of the Symmetry Breaking Model for X Chromosome Inactivation. <i>Progress of Theoretical Physics Supplement</i> , 2011, 191, 40-45.	0.1	3
141	Logarithmic Compaction in a 3D Model for Granular Media. <i>Journal De Physique, I</i> , 1997, 7, 1535-1540.	1.2	3
142	Slow dynamics and aging in a constrained diffusion model. <i>Physical Review E</i> , 2001, 63, 031106.	2.1	2
143	Interplay of dynamical and equilibrium phenomena in vortex matter. <i>Journal of Physics Condensed Matter</i> , 2002, 14, 2403-2412.	1.8	2
144	Peak effect in a driven lattice gas model. <i>Physical Review E</i> , 2003, 67, 041103.	2.1	2

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145	DNA Loci Cross-Talk through Thermodynamics. Journal of Biomedicine and Biotechnology, 2009, 2009, 1-8.	3.0	2
146	Extreme Value Statistics. , 2012, , 1066-1072.		2
147	Mapping of frustrated spin systems into percolation models and Monte Carlo cluster dynamics. Journal of Physics A, 1996, 29, 1961-1971.	1.6	1
148	Second magnetisation peak relaxation in a model for vortices in superconductors. Physica C: Superconductivity and Its Applications, 2000, 341-348, 1065-1066.	1.2	1
149	VORTEX MATTER OUT OF EQUILIBRIUM. Fractals, 2003, 11, 149-159.	3.7	1
150	Pairing of homologous chromosomes as phase transition. Proceedings of SPIE, 2007, , .	0.8	1
151	STATISTICAL MECHANICS OF STATIC GRANULAR PACKINGS UNDER GRAVITY. International Journal of Modern Physics B, 2009, 23, 5345-5358.	2.0	1
152	Stochastic transitions and jamming in granular pipe flow. Physical Review E, 2011, 83, 031309.	2.1	1
153	A Polymer Physics Model to Dissect Genome Organization in Healthy and Pathological Phenotypes. Methods in Molecular Biology, 2022, 2301, 307-316.	0.9	1
154	Further Delineation of Duplications of ARX Locus Detected in Male Patients with Varying Degrees of Intellectual Disability. International Journal of Molecular Sciences, 2022, 23, 3084.	4.1	1
155	Self-organisations and emergence. , 0, , 1-47.		0
156	Stress Correlations and Weight Distributions in Granular Packs. , 1998, , 137-142.		0
157	Statistical mechanics models for jamming in granular media. AIP Conference Proceedings, 2001, , .	0.4	0
158	Statistical Mechanics of jamming and segregation in granular media. , 2004, , 47-61.		0
159	Time dependent phenomena in transport properties and characteristics of a model for driven vortex matter. Journal of Physics Condensed Matter, 2004, 16, 6789-6810.	1.8	0
160	Statistical mechanics of dense granular media. , 2005, , .		0
161	Editorial. European Physical Journal E, 2007, 22, 193-193.	1.6	0
162	Flow and jamming of sheared granular media. , 2009, , .		0

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163	Rheology of sheared monodisperse granular suspensions. European Physical Journal: Special Topics, 2009, 179, 157-163.	2.6	0
164	COMPLEX FLOW IN GRANULAR MEDIA. International Journal of Modeling, Simulation, and Scientific Computing, 2010, 13, 339-347.	1.4	0
165	STATISTICAL MECHANICS MODELS FOR X-CHROMOSOME INACTIVATION. International Journal of Modeling, Simulation, and Scientific Computing, 2010, 13, 367-376.	1.4	0
166	Flow regimes of a fluid driven granular suspension. Granular Matter, 2012, 14, 175-178.	2.2	0
167	On the Nature of Chromatin 3D Organization. , 2017, , 191-201.		0
168	The Inherent States of Glassy Systems and Granular Media. , 2002, , 74-83.		0
169	Self-assembly and DNA binding of the blocking factor in X Chromosome Inactivation. PLoS Computational Biology, 2005, preprint, e210.	3.2	0
170	Granular media. Journal of Physics Condensed Matter, 2005, 17, .	1.8	0
171	UNIFYING APPROACH TO THE JAMMING TRANSITION IN GRANULAR MEDIA AND THE GLASS TRANSITION IN THERMAL SYSTEMS. , 2005, , .		0
172	The Strings and Binders Switch Model of Chromatin. , 2019, , 57-68.		0