

# Alessandro Giuliani

## List of Publications by Year in descending order

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313  
papers

8,121  
citations

53794

45  
h-index

91884

69  
g-index

324  
all docs

324  
docs citations

324  
times ranked

10179  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cell Fate Decision as High-Dimensional Critical State Transition. <i>PLoS Biology</i> , 2016, 14, e2000640.	5.6	298
2	Genome-wide expression profile of sporadic gastric cancers with microsatellite instability. <i>European Journal of Cancer</i> , 2009, 45, 461-469.	2.8	279
3	Quantitative Structure-Activity Relationships of Mutagenic and Carcinogenic Aromatic Amines. <i>Chemical Reviews</i> , 2000, 100, 3697-3714.	47.7	188
4	A Specific Mutational Signature Associated with DNA 8-Oxoguanine Persistence in MUTYH-defective Colorectal Cancer. <i>EBioMedicine</i> , 2017, 20, 39-49.	6.1	170
5	Early Pharmacotherapy Restores Neurogenesis and Cognitive Performance in the Ts65Dn Mouse Model for Down Syndrome. <i>Journal of Neuroscience</i> , 2010, 30, 8769-8779.	3.6	164
6	The application of principal component analysis to drug discovery and biomedical data. <i>Drug Discovery Today</i> , 2017, 22, 1069-1076.	6.4	158
7	Protein contact network topology: a natural language for allostery. <i>Current Opinion in Structural Biology</i> , 2015, 31, 43-48.	5.7	141
8	Thyroid hormone activates oligodendrocyte precursors and increases a myelin-forming protein and NGF content in the spinal cord during experimental allergic encephalomyelitis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 3258-3263.	7.1	127
9	Thyroid hormone administration enhances remyelination in chronic demyelinating inflammatory disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 16363-16368.	7.1	122
10	mIGF-1/JNK1/Sirt1 signaling confers protection against oxidative stress in the heart. <i>Aging Cell</i> , 2012, 11, 139-149.	6.7	106
11	Nonlinear Signal Analysis Methods in the Elucidation of Protein Sequence-Structure Relationships. <i>Chemical Reviews</i> , 2002, 102, 1471-1492.	47.7	103
12	MicroRNA-486-3p Regulates $\beta$ -Globin Expression in Human Erythroid Cells by Directly Modulating BCL11A. <i>PLoS ONE</i> , 2013, 8, e60436.	2.5	102
13	Randomized study on oral administration of calcitriol to prevent symptomatic hypocalcemia after total thyroidectomy. <i>American Journal of Surgery</i> , 2005, 190, 424-429.	1.8	94
14	Proteins As Networks: Usefulness of Graph Theory in Protein Science. <i>Current Protein and Peptide Science</i> , 2008, 9, 28-38.	1.4	92
15	Cognitive deficit associated with cholinergic and nerve growth factor down-regulation in experimental allergic encephalomyelitis in rats. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 3070-3075.	7.1	88
16	Early identification of MCI converting to AD: a FDG PET study. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2017, 44, 2042-2052.	6.4	83
17	Neural stem cells and cholinergic neurons: Regulation by immunolesion and treatment with mitogens, retinoic acid, and nerve growth factor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 7325-7330.	7.1	79
18	Increased Plasmatic Levels of PSA-Expressing Exosomes Distinguish Prostate Cancer Patients from Benign Prostatic Hyperplasia: A Prospective Study. <i>Cancers</i> , 2019, 11, 1449.	3.7	73

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19	CHF5074, a Novel $\hat{1}^3$ -Secretase Modulator, Restores Hippocampal Neurogenesis Potential and Reverses Contextual Memory Deficit in a Transgenic Mouse Model of Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2010, 20, 159-173.	2.6	71
20	Prenatal pharmacotherapy rescues brain development in a Down $\hat{e}$ ™s syndrome mouse model. <i>Brain</i> , 2014, 137, 380-401.	7.6	71
21	Effect of acetyl-L-carnitine on recovery of brain phosphorus metabolites and lactic acid level during reperfusion after cerebral ischemia in the rat $\hat{e}$ ™ study by $^{13}P$ - and $^1H$ -NMR spectroscopy. <i>Brain Research</i> , 1994, 643, 92-99.	2.2	69
22	Brain distribution of ribavirin after intranasal administration. <i>Antiviral Research</i> , 2011, 92, 408-414.	4.1	68
23	The Discovery of a Putative Allosteric Site in the SARS-CoV-2 Spike Protein Using an Integrated Structural/Dynamic Approach. <i>Journal of Proteome Research</i> , 2020, 19, 4576-4586.	3.7	66
24	The main biological determinants of tumor line taxonomy elucidated by a principal component analysis of microarray data. <i>FEBS Letters</i> , 2001, 507, 114-118.	2.8	65
25	Recurrence quantification analysis as an empirical test to distinguish relatively short deterministic versus random number series. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2000, 267, 174-178.	2.1	64
26	Low infra red laser light irradiation on cultured neural cells: effects on mitochondria and cell viability after oxidative stress. <i>BMC Complementary and Alternative Medicine</i> , 2009, 9, 8.	3.7	64
27	Absence of interaction corrections in the optical conductivity of graphene. <i>Physical Review B</i> , 2011, 83, .	3.2	62
28	3T multiparametric MRI of the prostate: Does intravoxel incoherent motion diffusion imaging have a role in the detection and stratification of prostate cancer in the peripheral zone?. <i>European Journal of Radiology</i> , 2016, 85, 790-794.	2.6	61
29	Putting the Predictive Toxicology Challenge into perspective: reflections on the results. <i>Bioinformatics</i> , 2003, 19, 1194-1200.	4.1	59
30	Alternatives to the carcinogenicity bioassay: <i>in silico</i> methods, and the <i>in vitro</i> and <i>in vivo</i> mutagenicity assays. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2010, 6, 809-819.	3.3	59
31	Functional essentiality from topology features in metabolic networks: A case study in yeast. <i>FEBS Letters</i> , 2005, 579, 4642-4646.	2.8	58
32	Simpler methods do it better: Success of Recurrence Quantification Analysis as a general purpose data analysis tool. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2009, 373, 3753-3756.	2.1	58
33	Multi-target action of the novel anti-Alzheimer compound CHF5074: in vivo study of long term treatment in Tg2576 mice. <i>BMC Neuroscience</i> , 2013, 14, 44.	1.9	58
34	Efficacy of a virus-vectored vaccine against human and bovine respiratory syncytial virus infections. <i>Science Translational Medicine</i> , 2015, 7, 300ra127.	12.4	57
35	Ising models with long-range antiferromagnetic and short-range ferromagnetic interactions. <i>Physical Review B</i> , 2006, 74, .	3.2	56
36	A pre-existing population of ZEB2+ quiescent cells with stemness and mesenchymal features dictate chemoresistance in colorectal cancer. <i>Journal of Experimental and Clinical Cancer Research</i> , 2020, 39, 2.	8.6	56

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37	Ultra-low-level laser therapy. <i>Lasers in Medical Science</i> , 2011, 26, 103-112.	2.1	55
38	Myoâ€inositol and Dâ€chiroâ€inositol (40:1) reverse histological and functional features of polycystic ovary syndrome in a mouse model. <i>Journal of Cellular Physiology</i> , 2019, 234, 9387-9398.	4.1	54
39	Metabolism and cell shape in cancer: A fractal analysis. <i>International Journal of Biochemistry and Cell Biology</i> , 2011, 43, 1052-1058.	2.8	53
40	The $\beta$ -Secretase Modulator CHF5074 Restores Memory and Hippocampal Synaptic Plasticity in Plaque-Free Tg2576 Mice. <i>Journal of Alzheimer's Disease</i> , 2011, 24, 799-816.	2.6	53
41	The Two-Dimensional Hubbard Model on the Honeycomb Lattice. <i>Communications in Mathematical Physics</i> , 2010, 293, 301-346.	2.2	48
42	Shedding light on proteinâ€ligand binding by graph theory: The topological nature of allostery. <i>Biophysical Chemistry</i> , 2012, 165-166, 21-29.	2.8	48
43	Why network approach can promote a new way of thinking in biology. <i>Frontiers in Genetics</i> , 2014, 5, 83.	2.3	47
44	Thyroid hormone and remyelination in adult central nervous system: a lesson from an inflammatory-demyelinating disease. <i>Brain Research Reviews</i> , 2005, 48, 339-346.	9.0	46
45	Apoptosis-inducing factor and caspase-dependent apoptotic pathways triggered by different grape seed extracts on human colon cancer cell line Caco-2. <i>British Journal of Nutrition</i> , 2010, 104, 824-832.	2.3	46
46	A Multiscale Graph Theoretical Approach to Gene Regulation Networks: A Case Study in Atrial Fibrillation. <i>IEEE Transactions on Biomedical Engineering</i> , 2011, 58, 2943-2946.	4.2	46
47	Emergent Self-Organized Criticality in Gene Expression Dynamics: Temporal Development of Global Phase Transition Revealed in a Cancer Cell Line. <i>PLoS ONE</i> , 2015, 10, e0128565.	2.5	46
48	Charge and Hydrophobicity Patterning along the Sequence Predicts the Folding Mechanism and Aggregation of Proteins: A Computational Approach. <i>Journal of Proteome Research</i> , 2004, 3, 1243-1253.	3.7	45
49	Emergent Genome-Wide Control in Wildtype and Genetically Mutated Lipopolysaccharides-Stimulated Macrophages. <i>PLoS ONE</i> , 2009, 4, e4905.	2.5	45
50	Deregulated expression of the imprinted <i>DLK1-DIO3</i> region in glioblastoma stemlike cells: tumor suppressor role of lncRNA MEG3. <i>Neuro-Oncology</i> , 2020, 22, 1771-1784.	1.2	44
51	Proteins as Networks: A Mesoscopic Approach Using Haemoglobin Molecule as Case Study. <i>Current Proteomics</i> , 2009, 6, 235-245.	0.3	43
52	Laws of biology: why so few?. <i>Systems and Synthetic Biology</i> , 2010, 4, 7-13.	1.0	42
53	Mitochondrial Network Genes in the Skeletal Muscle of Amyotrophic Lateral Sclerosis Patients. <i>PLoS ONE</i> , 2013, 8, e57739.	2.5	42
54	Combinatorics and synchronization in natural semiotics. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2006, 361, 665-676.	2.6	41

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55	The Ground State Energy of the Weakly Interacting Bose Gas at High Density. <i>Journal of Statistical Physics</i> , 2009, 135, 915-934.	1.2	41
56	Progressive Disintegration of Brain Networking from Normal Aging to Alzheimer Disease: Analysis of Independent Components of $^{18}\text{F}$ -FDG PET Data. <i>Journal of Nuclear Medicine</i> , 2017, 58, 1132-1139.	5.0	41
57	A complexity score derived from principal components analysis of nonlinear order measures. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2001, 301, 567-588.	2.6	40
58	Local and global responses in complex gene regulation networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2009, 388, 1738-1746.	2.6	40
59	Indeterminacy of Reverse Engineering of Gene Regulatory Networks: The Curse of Gene Elasticity. <i>PLoS ONE</i> , 2007, 2, e562.	2.5	39
60	GIANT: A Cytoscape Plugin for Modular Networks. <i>PLoS ONE</i> , 2014, 9, e105001.	2.5	39
61	Somatic polyploidy is associated with the upregulation of c-MYC interacting genes and EMT-like signature. <i>Oncotarget</i> , 2016, 7, 75235-75260.	1.8	39
62	Gene expression waves. <i>FEBS Journal</i> , 2007, 274, 2878-2886.	4.7	38
63	Modules Identification in Protein Structures: The Topological and Geometrical Solutions. <i>Journal of Chemical Information and Modeling</i> , 2014, 54, 159-168.	5.4	38
64	Self-Organizing Global Gene Expression Regulated through Criticality: Mechanism of the Cell-Fate Change. <i>PLoS ONE</i> , 2016, 11, e0167912.	2.5	38
65	Universality of the Hall Conductivity in Interacting Electron Systems. <i>Communications in Mathematical Physics</i> , 2017, 349, 1107-1161.	2.2	38
66	Spatial learning and memory in the radial maze: A longitudinal study in rats from 4 to 25 months of age. <i>Neurobiology of Aging</i> , 1991, 12, 605-607.	3.1	37
67	Early events in protein aggregation: Molecular flexibility and hydrophobicity/charge interaction in amyloid peptides as studied by molecular dynamics simulations. <i>Proteins: Structure, Function and Bioinformatics</i> , 2004, 58, 110-118.	2.6	37
68	Invariant features of metabolic networks: a data analysis application on scaling properties of biochemical pathways. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2004, 337, 157-170.	2.6	37
69	Prenatal stress alters the negative correlation between neuronal activation in limbic regions and behavioral responses in rats exposed to high and low anxiogenic environments. <i>Psychoneuroendocrinology</i> , 2007, 32, 765-776.	2.7	37
70	Continuous exposure to 900MHz GSM-modulated EMF alters morphological maturation of neural cells. <i>Neuroscience Letters</i> , 2009, 455, 173-177.	2.1	37
71	The Nematic Phase of a System of Long Hard Rods. <i>Communications in Mathematical Physics</i> , 2013, 323, 143-175.	2.2	37
72	A new bioavailable fenretinide formulation with antiproliferative, antimetabolic, and cytotoxic effects on solid tumors. <i>Cell Death and Disease</i> , 2019, 10, 529.	6.3	37

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73	Elucidating protein secondary structures using alpha-carbon recurrence quantifications. <i>Proteins: Structure, Function and Bioinformatics</i> , 2001, 44, 292-303.	2.6	36
74	Singular hydrophobicity patterns and net charge: a mesoscopic principle for protein aggregation/folding. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2004, 343, 348-358.	2.6	36
75	Metabolic pathways variability and sequence/networks comparisons. <i>BMC Bioinformatics</i> , 2006, 7, 24.	2.6	36
76	Predicting the transition from normal aging to Alzheimer's disease: A statistical mechanistic evaluation of FDG-PET data. <i>NeuroImage</i> , 2016, 141, 282-290.	4.2	36
77	Parathyroid autotransplantation during total thyroidectomy. Results of a retrospective study. <i>International Journal of Surgery</i> , 2016, 28, S79-S83.	2.7	36
78	Effects of concomitant nicotinic and muscarinic blockade on spatial memory disturbance in rats are purely additive: Evidence from the morris water task. <i>Physiology and Behavior</i> , 1994, 56, 111-114.	2.1	34
79	The misleading Dodo Bird verdict. How much of the outcome variance is explained by common and specific factors?. <i>New Ideas in Psychology</i> , 2019, 54, 50-55.	1.9	34
80	Review of Nonlinear Analysis of Proteins Through Recurrence Quantification. <i>Cell Biochemistry and Biophysics</i> , 2002, 36, 67-88.	1.8	33
81	Striped phases in two-dimensional dipole systems. <i>Physical Review B</i> , 2007, 76, .	3.2	33
82	Early motor deficits in mouse disease models are reliably uncovered using an automated home cage wheel-running system: a cross-laboratory validation. <i>DMM Disease Models and Mechanisms</i> , 2014, 7, 397-407.	2.4	33
83	Spatial memory and NGF levels in aged rats: Natural variability and effects of acetyl-L-carnitine treatment. <i>Experimental Gerontology</i> , 1996, 31, 577-587.	2.8	32
84	Effect of radiofrequency electromagnetic field exposure on in vitro models of neurodegenerative disease. <i>Bioelectromagnetics</i> , 2009, 30, 564-572.	1.6	32
85	A three- $\mu$ RNA signature identifies two subtypes of glioblastoma patients with different clinical outcomes. <i>Molecular Oncology</i> , 2017, 11, 1115-1129.	4.6	32
86	Essentiality is an emergent property of metabolic network wiring. <i>FEBS Letters</i> , 2007, 581, 2485-2489.	2.8	31
87	An organoid model of colorectal circulating tumor cells with stem cell features, hybrid EMT state and distinctive therapy response profile. <i>Journal of Experimental and Clinical Cancer Research</i> , 2022, 41, 86.	8.6	31
88	Deriving a Quantitative Chirality Measure from Molecular Similarity Indices. <i>Journal of Medicinal Chemistry</i> , 2000, 43, 3699-3703.	6.4	30
89	Network Scaling Invariants Help to Elucidate Basic Topological Principles of Proteins. <i>Journal of Proteome Research</i> , 2007, 6, 3924-3934.	3.7	29
90	Intravitreal NGF administration counteracts retina degeneration after permanent carotid artery occlusion in rat. <i>BMC Neuroscience</i> , 2009, 10, 52.	1.9	29

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91	Lattice gauge theory model for graphene. <i>Physical Review B</i> , 2010, 82, .	3.2	29
92	Proteins as Sponges: A Statistical Journey along Protein Structure Organization Principles. <i>Journal of Chemical Information and Modeling</i> , 2012, 52, 474-482.	5.4	29
93	Phylostratic Shift of Whole-Genome Duplications in Normal Mammalian Tissues towards Unicellularity Is Driven by Developmental Bivalent Genes and Reveals a Link to Cancer. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8759.	4.1	29
94	Recurrence analysis of hydration effects on nonlinear protein dynamics: multiplicative scaling and additive processes. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2001, 281, 317-323.	2.1	28
95	Structure-Related Statistical Singularities along Protein Sequences: A Correlation Study. <i>Journal of Chemical Information and Modeling</i> , 2005, 45, 183-189.	5.4	28
96	Absolute stability limit for relativistic charged spheres. <i>General Relativity and Gravitation</i> , 2008, 40, 1427-1447.	2.0	28
97	Checkerboards, stripes, and corner energies in spin models with competing interactions. <i>Physical Review B</i> , 2011, 84, .	3.2	28
98	The Non-linear Trajectory of Change in Play Profiles of Three Children in Psychodynamic Play Therapy. <i>Frontiers in Psychology</i> , 2016, 7, 1494.	2.1	28
99	Height fluctuations in interacting dimers. <i>Annales De L'institut Henri Poincare (B) Probability and Statistics</i> , 2017, 53, .	1.1	28
100	Plasmatic Exosome Number and Size Distinguish Prostate Cancer Patients From Healthy Individuals: A Prospective Clinical Study. <i>Frontiers in Oncology</i> , 2021, 11, 727317.	2.8	28
101	Maternal exposure to environmental enrichment before and during gestation influences behaviour of rat offspring in a sex-specific manner. <i>Physiology and Behavior</i> , 2016, 163, 274-287.	2.1	27
102	Will systems biology offer new holistic paradigms to life sciences?. <i>Systems and Synthetic Biology</i> , 2007, 1, 161-165.	1.0	26
103	The Mutyh Base Excision Repair Gene Influences the Inflammatory Response in a Mouse Model of Ulcerative Colitis. <i>PLoS ONE</i> , 2010, 5, e12070.	2.5	26
104	Model-free analysis of brain fMRI data by recurrence quantification. <i>NeuroImage</i> , 2007, 37, 489-503.	4.2	25
105	Dealing With the Aftermath of Mass Disasters: A Field Study on the Application of EMDR Integrative Group Treatment Protocol With Child Survivors of the 2016 Italy Earthquakes. <i>Frontiers in Psychology</i> , 2018, 9, 862.	2.1	25
106	Thyroid Hormone and the White Matter of the Central Nervous System: From Development to Repair. <i>Vitamins and Hormones</i> , 2018, 106, 253-281.	1.7	25
107	Phenotypic transitions enacted by simulated microgravity do not alter coherence in gene transcription profile. <i>Npj Microgravity</i> , 2019, 5, 27.	3.7	25
108	IL-13 mRNA Tissue Content Identifies Two Subsets of Adult Ulcerative Colitis Patients With Different Clinical and Mucosa-Associated Microbiota Profiles. <i>Journal of Crohn's and Colitis</i> , 2020, 14, 369-380.	1.3	25

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109	Granular Computing Techniques for Bioinformatics Pattern Recognition Problems in Non-metric Spaces. <i>Studies in Computational Intelligence</i> , 2018, , 53-81.	0.9	24
110	Gravity Constraints Drive Biological Systems Toward Specific Organization Patterns. <i>BioEssays</i> , 2018, 40, 1700138.	2.5	24
111	Clinical Utility of Multiparametric Magnetic Resonance Imaging as the First-line Tool for Men with High Clinical Suspicion of Prostate Cancer. <i>European Urology Oncology</i> , 2018, 1, 208-214.	5.4	24
112	Sex Disparity in Response to Hepatitis B Vaccine Related to the Age of Vaccination. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 327.	2.6	24
113	Hematopoietic differentiation: a coordinated dynamical process towards attractor stable states. <i>BMC Systems Biology</i> , 2010, 4, 85.	3.0	23
114	Predicting antidepressant treatment outcome based on socioeconomic status and citalopram dose. <i>Pharmacogenomics Journal</i> , 2019, 19, 538-546.	2.0	23
115	Collective Dynamics of Specific Gene Ensembles Crucial for Neutrophil Differentiation: The Existence of Genome Vehicles Revealed. <i>PLoS ONE</i> , 2010, 5, e12116.	2.5	23
116	Rigorous construction of ground state correlations in graphene: Renormalization of the velocities and Ward identities. <i>Physical Review B</i> , 2009, 79, .	3.2	22
117	Periodic Minimizers in 1D Local Mean Field Theory. <i>Communications in Mathematical Physics</i> , 2009, 286, 163-177.	2.2	22
118	Collective motions and specific effectors: a statistical mechanics perspective on biological regulation. <i>BMC Genomics</i> , 2010, 11, S2.	2.8	22
119	Studying the Impact of Text Summarization on Contextual Advertising. , 2011, , .		22
120	Resolution of Complex Issues in Genome Regulation and Cancer Requires Non-Linear and Network-Based Thermodynamics. <i>International Journal of Molecular Sciences</i> , 2020, 21, 240.	4.1	22
121	(Hyper)Graph Embedding and Classification via Simplicial Complexes. <i>Algorithms</i> , 2019, 12, 223.	2.1	21
122	Metabolic networks classification and knowledge discovery by information granulation. <i>Computational Biology and Chemistry</i> , 2020, 84, 107187.	2.3	21
123	Recurrence quantification analysis reveals interaction partners in paramyxoviridae envelope glycoproteins. <i>Proteins: Structure, Function and Bioinformatics</i> , 2002, 46, 171-176.	2.6	20
124	Collective behavior in gene regulation: Post-transcriptional regulation and the temporal compartmentalization of cellular cycles. <i>FEBS Journal</i> , 2008, 275, 2364-2371.	4.7	20
125	Characterization of Protein-Protein Interfaces through a Protein Contact Network Approach. <i>Frontiers in Bioengineering and Biotechnology</i> , 2015, 3, 170.	4.1	20
126	Comparative Study of Elastic Network Model and Protein Contact Network for Protein Complexes: The Hemoglobin Case. <i>BioMed Research International</i> , 2017, 2017, 1-15.	1.9	20



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127	Complexity in Biological Organization: Deconstruction (and Subsequent Restating) of Key Concepts. <i>Entropy</i> , 2020, 22, 885.	2.2	20
128	Differentiating cancer cells reveal early large-scale genome regulation by pericentric domains. <i>Biophysical Journal</i> , 2021, 120, 711-724.	0.5	20
129	Influence of Trammel Nets on the Behaviour and Spatial Distribution of Bottlenose Dolphins ( <i>Tursiops truncatus</i> ) in the Aeolian Archipelago, Southern Italy. <i>Aquatic Mammals</i> , 2015, 41, 295-310.	0.7	20
130	Multivariate analysis of behavioral aging highlights some unexpected features of complex systems organization. <i>Behavioral and Neural Biology</i> , 1994, 61, 110-122.	2.2	19
131	Multifractal characterization of protein contact networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2015, 428, 302-313.	2.6	19
132	Periodic Striped Ground States in Ising Models with Competing Interactions. <i>Communications in Mathematical Physics</i> , 2016, 347, 983-1007.	2.2	19
133	Self-Organization of Genome Expression from Embryo to Terminal Cell Fate: Single-Cell Statistical Mechanics of Biological Regulation. <i>Entropy</i> , 2018, 20, 13.	2.2	19
134	Shaping therapeutic trajectories in mental health: Instructive vs. permissive causality. <i>European Neuropsychopharmacology</i> , 2021, 43, 1-9.	0.7	19
135	A cluster analysis study of acetyl-L-carnitine effect on NMDA receptors in aging. <i>Experimental Gerontology</i> , 1993, 28, 537-548.	2.8	18
136	Implications from a Network-Based Topological Analysis of Ubiquitin Unfolding Simulations. <i>PLoS ONE</i> , 2008, 3, e2149.	2.5	18
137	A Systems Biology Strategy on Differential Gene Expression Data Discloses Some Biological Features of Atrial Fibrillation. <i>PLoS ONE</i> , 2010, 5, e13668.	2.5	18
138	Active avoidance learning in old rats chronically treated with levocarnitine acetyl. <i>Physiology and Behavior</i> , 1992, 52, 185-187.	2.1	17
139	Within-and between-strain variability in longevity of inbred and outbred rats under the same environmental conditions. <i>Experimental Gerontology</i> , 1995, 30, 485-494.	2.8	17
140	Exploring <i>In Vitro/In Vivo</i> Correlation: Lessons Learned from Analyzing Phase I Results of the US EPA's ToxCast Project. <i>Journal of Environmental Science and Health, Part C: Environmental Carcinogenesis and Ecotoxicology Reviews</i> , 2010, 28, 272-286.	2.9	17
141	Improving contextual advertising by adopting collaborative filtering. <i>ACM Transactions on the Web</i> , 2013, 7, 1-22.	2.5	16
142	CHF5074 restores visual memory ability and pre-synaptic cortical acetylcholine release in pre-plaque Tg2576 mice. <i>Journal of Neurochemistry</i> , 2013, 124, 613-620.	3.9	16
143	A generative model for protein contact networks. <i>Journal of Biomolecular Structure and Dynamics</i> , 2016, 34, 1441-1454.	3.5	16
144	<i>Candida</i> blood stream infections observed between 2011 and 2016 in a large Italian University Hospital: A time-based retrospective analysis on epidemiology, biofilm production, antifungal agents consumption and drug-susceptibility. <i>PLoS ONE</i> , 2019, 14, e0224678.	2.5	16

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145	Measuring empathy: A statistical physics grounded approach. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 526, 120979.	2.6	16
146	EMDR Group Treatment of Children Refugees—A Field Study. <i>Journal of EMDR Practice and Research</i> , 2019, 13, 143-155.	0.6	16
147	Discrimination of single amino acid mutations of the p53 protein by means of deterministic singularities of recurrence quantification analysis. <i>Proteins: Structure, Function and Bioinformatics</i> , 2004, 55, 743-755.	2.6	15
148	A recursive network approach can identify constitutive regulatory circuits in gene expression data. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2005, 348, 349-370.	2.6	15
149	pH Effects on the Conformational Preferences of Amyloid $\beta$ -Peptide (1–40) in HFIP Aqueous Solution by NMR Spectroscopy. <i>ChemMedChem</i> , 2008, 3, 833-843.	3.2	15
150	Why so Few Drug Targets: A Mathematical Explanation?. <i>Current Computer-Aided Drug Design</i> , 2011, 7, 206-213.	1.2	15
151	The scaling limit of the energy correlations in non-integrable Ising models. <i>Journal of Mathematical Physics</i> , 2012, 53, .	1.1	15
152	Validity of the Spin-Wave Approximation for the Free Energy of the Heisenberg Ferromagnet. <i>Communications in Mathematical Physics</i> , 2015, 339, 279-307.	2.2	15
153	GH32 family activity: a topological approach through protein contact networks. <i>Plant Molecular Biology</i> , 2016, 92, 401-410.	3.9	15
154	Computational Approach to Musical Consonance and Dissonance. <i>Frontiers in Psychology</i> , 2018, 9, 381.	2.1	15
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