

Albert-Lszl Barabasi

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/11300397/albert-laszlo-barabasi-publications-by-year.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

187
papers

102,619
citations

99
h-index

198
g-index

198
ext. papers

120,362
ext. citations

16.4
avg, IF

8.81
L-index

#	Paper	IF	Citations
187	Quantifying NFT-driven networks in crypto art.. <i>Scientific Reports</i> , 2022 , 12, 2769	4.9	4
186	Recovery coupling in multilayer networks.. <i>Nature Communications</i> , 2022 , 13, 955	17.4	1
185	Dynamics of ranking.. <i>Nature Communications</i> , 2022 , 13, 1646	17.4	3
184	Network medicine framework shows that proximity of polyphenol targets and disease proteins predicts therapeutic effects of polyphenols. <i>Nature Food</i> , 2021 , 2, 143-155	14.4	14
183	Network medicine framework for identifying drug-repurposing opportunities for COVID-19. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	77
182	Isotopy and energy of physical networks. <i>Nature Physics</i> , 2021 , 17, 216-222	16.2	4
181	A wealth of discovery built on the Human Genome Project - by the numbers. <i>Nature</i> , 2021 , 590, 212-215	50.4	19
180	Uncovering the genetic blueprint of the nervous system. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 33570-33577	11.5	7
179	Historical comparison of gender inequality in scientific careers across countries and disciplines. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 4609-4616	11.5	165
178	The exposome and health: Where chemistry meets biology. <i>Science</i> , 2020 , 367, 392-396	33.3	231
177	Discovering the genes mediating the interactions between chronic respiratory diseases in the human interactome. <i>Nature Communications</i> , 2020 , 11, 811	17.4	13
176	The unmapped chemical complexity of our diet. <i>Nature Food</i> , 2020 , 1, 33-37	14.4	99
175	A Genetic Model of the Connectome. <i>Neuron</i> , 2020 , 105, 435-445.e5	13.9	20
174	A global network for network medicine. <i>Npj Systems Biology and Applications</i> , 2020 , 6, 29	5	6
173	Network Medicine Framework for Identifying Drug Repurposing Opportunities for COVID-19 2020 ,		4
172	Network-based prediction of protein interactions. <i>Nature Communications</i> , 2019 , 10, 1240	17.4	156
171	Network-based prediction of drug combinations. <i>Nature Communications</i> , 2019 , 10, 1197	17.4	216

170	The universal decay of collective memory and attention. <i>Nature Human Behaviour</i> , 2019 , 3, 82-91	12.8	49
169	Science of science. <i>Science</i> , 2018 , 359,	33.3	373
168	Success in books: a big data approach to bestsellers. <i>EPJ Data Science</i> , 2018 , 7,	3.4	18
167	Network-based approach to prediction and population-based validation of in silico drug repurposing. <i>Nature Communications</i> , 2018 , 9, 2691	17.4	208
166	Predicting perturbation patterns from the topology of biological networks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E6375-E6383	11.5	88
165	A structural transition in physical networks. <i>Nature</i> , 2018 , 563, 676-680	50.4	22
164	The chaperone effect in scientific publishing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 12603-12607	11.5	44
163	and the network control framework-FAQs. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2018 , 373,	5.8	16
162	Controllability in an islet specific regulatory network identifies the transcriptional factor NFATC4, which regulates Type 2 Diabetes associated genes. <i>Npj Systems Biology and Applications</i> , 2018 , 4, 25	5	14
161	Trade-offs between driving nodes and time-to-control in complex networks. <i>Scientific Reports</i> , 2017 , 7, 39978	4.9	18
160	Fundamental limitations of network reconstruction from temporal data. <i>Journal of the Royal Society Interface</i> , 2017 , 14,	4.1	36
159	Integrating personalized gene expression profiles into predictive disease-associated gene pools. <i>Npj Systems Biology and Applications</i> , 2017 , 3, 10	5	34
158	Epigenomic and transcriptomic approaches in the post-genomic era: path to novel targets for diagnosis and therapy of the ischaemic heart? Position Paper of the European Society of Cardiology Working Group on Cellular Biology of the Heart. <i>Cardiovascular Research</i> , 2017 , 113, 725-736	9.9	85
157	Identifying and modeling the structural discontinuities of human interactions. <i>Scientific Reports</i> , 2017 , 7, 46677	4.9	22
156	Viva Europa, a Land of Excellence in Research and Innovation for Health and Wellbeing. <i>Progress in Preventive Medicine (New York, N Y)</i> , 2017 , 2, e006	0.7	5
155	Tissue Specificity of Human Disease Module. <i>Scientific Reports</i> , 2016 , 6, 35241	4.9	62
154	PARP9 and PARP14 cross-regulate macrophage activation via STAT1 ADP-ribosylation. <i>Nature Communications</i> , 2016 , 7, 12849	17.4	120
153	Endophenotype Network Models: Common Core of Complex Diseases. <i>Scientific Reports</i> , 2016 , 6, 27414	4.9	55

152	Network-based in silico drug efficacy screening. <i>Nature Communications</i> , 2016 , 7, 10331	17.4	240
151	Quantifying the evolution of individual scientific impact. <i>Science</i> , 2016 , 354,	33.3	258
150	Scaling identity connects human mobility and social interactions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 7047-52	11.5	58
149	Universal resilience patterns in complex networks. <i>Nature</i> , 2016 , 530, 307-12	50.4	520
148	From comorbidities of chronic obstructive pulmonary disease to identification of shared molecular mechanisms by data integration. <i>BMC Bioinformatics</i> , 2016 , 17, 441	3.6	16
147	An inter-species protein-protein interaction network across vast evolutionary distance. <i>Molecular Systems Biology</i> , 2016 , 12, 865	12.2	31
146	Controllability analysis of the directed human protein interaction network identifies disease genes and drug targets. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 4976-81	11.5	155
145	Control principles of complex systems. <i>Reviews of Modern Physics</i> , 2016 , 88,	40.5	292
144	Controllability of multiplex, multi-time-scale networks. <i>Physical Review E</i> , 2016 , 94, 032316	2.4	37
143	A DISeAse MOdule Detection (DIAMOND) algorithm derived from a systematic analysis of connectivity patterns of disease proteins in the human interactome. <i>PLoS Computational Biology</i> , 2015 , 11, e1004120	5	189
142	Network science: Destruction perfected. <i>Nature</i> , 2015 , 524, 38-9	50.4	29
141	Widespread macromolecular interaction perturbations in human genetic disorders. <i>Cell</i> , 2015 , 161, 647-660	56.2	343
140	A century of physics. <i>Nature Physics</i> , 2015 , 11, 791-796	16.2	91
139	Spectrum of controlling and observing complex networks. <i>Nature Physics</i> , 2015 , 11, 779-786	16.2	173
138	Returners and explorers dichotomy in human mobility. <i>Nature Communications</i> , 2015 , 6, 8166	17.4	200
137	Constructing minimal models for complex system dynamics. <i>Nature Communications</i> , 2015 , 6, 7186	17.4	50
136	Disease networks. Uncovering disease-disease relationships through the incomplete interactome. <i>Science</i> , 2015 , 347, 1257601	33.3	767
135	A disease module in the interactome explains disease heterogeneity, drug response and captures novel pathways and genes in asthma. <i>Human Molecular Genetics</i> , 2015 , 24, 3005-20	5.6	108

134	Quantifying information flow during emergencies. <i>Scientific Reports</i> , 2014 , 4, 3997	4.9	36
133	Career on the move: geography, stratification, and scientific impact. <i>Scientific Reports</i> , 2014 , 4, 4770	4.9	92
132	A proteome-scale map of the human interactome network. <i>Cell</i> , 2014 , 159, 1212-1226	56.2	898
131	Collective credit allocation in science. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 12325-30	11.5	113
130	Human symptoms-disease network. <i>Nature Communications</i> , 2014 , 5, 4212	17.4	340
129	Quantitative social science. A network framework of cultural history. <i>Science</i> , 2014 , 345, 558-62	33.3	101
128	Systems Medicine: from molecular features and models to the clinic in COPD. <i>Journal of Translational Medicine</i> , 2014 , 12 Suppl 2, S4	8.5	20
127	Computational Models of Mobility: A Perspective from Mobile Phone Data 2014 , 110-124		2
126	A genetic epidemiology approach to cyber-security. <i>Scientific Reports</i> , 2014 , 4, 5659	4.9	11
125	Modules, networks and systems medicine for understanding disease and aiding diagnosis. <i>Genome Medicine</i> , 2014 , 6, 82	14.4	126
124	A diVIsive Shuffling Approach (VIStA) for gene expression analysis to identify subtypes in Chronic Obstructive Pulmonary Disease. <i>BMC Systems Biology</i> , 2014 , 8 Suppl 2, S8	3.5	19
123	Target control of complex networks. <i>Nature Communications</i> , 2014 , 5, 5415	17.4	232
122	Science communication. Response to Comment on "Quantifying long-term scientific impact". <i>Science</i> , 2014 , 345, 149	33.3	3
121	Network link prediction by global silencing of indirect correlations. <i>Nature Biotechnology</i> , 2013 , 31, 720-5	44.5	178
120	Understanding the spread of malicious mobile-phone programs and their damage potential. <i>International Journal of Information Security</i> , 2013 , 12, 383-392	2.8	12
119	Quantifying long-term scientific impact. <i>Science</i> , 2013 , 342, 127-32	33.3	439
118	Universality in network dynamics. <i>Nature Physics</i> , 2013 , 9,	16.2	183
117	Observability of complex systems. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 2460-5	11.5	307

116	Network science. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2013 , 371, 20120375	3	185
115	Graph Theory Properties of Cellular Networks 2013 , 177-193		3
114	Emergence of bimodality in controlling complex networks. <i>Nature Communications</i> , 2013 , 4, 2002	17.4	156
113	Control capacity and a random sampling method in exploring controllability of complex networks. <i>Scientific Reports</i> , 2013 , 3, 2354	4.9	93
112	Network-based analysis of genome wide association data provides novel candidate genes for lipid and lipoprotein traits. <i>Molecular and Cellular Proteomics</i> , 2013 , 12, 3398-408	7.6	24
111	Effect of correlations on network controllability. <i>Scientific Reports</i> , 2013 , 3, 1067	4.9	131
110	Uncovering the role of elementary processes in network evolution. <i>Scientific Reports</i> , 2013 , 3, 2920	4.9	32
109	MicroRNA-21 integrates pathogenic signaling to control pulmonary hypertension: results of a network bioinformatics approach. <i>Circulation</i> , 2012 , 125, 1520-32	16.7	207
108	Dynamics of ranking processes in complex systems. <i>Physical Review Letters</i> , 2012 , 109, 128701	7.4	38
107	Publishing: Handful of papers dominates citation. <i>Nature</i> , 2012 , 491, 40	50.4	21
106	Control centrality and hierarchical structure in complex networks. <i>PLoS ONE</i> , 2012 , 7, e44459	3.7	192
105	Interpreting cancer genomes using systematic host network perturbations by tumour virus proteins. <i>Nature</i> , 2012 , 487, 491-5	50.4	294
104	A universal model for mobility and migration patterns. <i>Nature</i> , 2012 , 484, 96-100	50.4	760
103	Viral perturbations of host networks reflect disease etiology. <i>PLoS Computational Biology</i> , 2012 , 8, e1002531		90
102	Universal features of correlated bursty behaviour. <i>Scientific Reports</i> , 2012 , 2, 397	4.9	205
101	Sex differences in intimate relationships. <i>Scientific Reports</i> , 2012 , 2, 370	4.9	67
100	Collective response of human populations to large-scale emergencies. <i>PLoS ONE</i> , 2011 , 6, e17680	3.7	193
99	Ranking stability and super-stable nodes in complex networks. <i>Nature Communications</i> , 2011 , 2, 394	17.4	118

98	Interactome networks and human disease. <i>Cell</i> , 2011 , 144, 986-98	56.2	1187
97	Flavor network and the principles of food pairing. <i>Scientific Reports</i> , 2011 , 1, 196	4.9	231
96	Geographic constraints on social network groups. <i>PLoS ONE</i> , 2011 , 6, e16939	3.7	199
95	Network medicine: a network-based approach to human disease. <i>Nature Reviews Genetics</i> , 2011 , 12, 56-68	38.1	2899
94	Controllability of complex networks. <i>Nature</i> , 2011 , 473, 167-73	50.4	2001
93	Human mobility, social ties, and link prediction 2011 ,		363
92	Evidence for network evolution in an Arabidopsis interactome map. <i>Science</i> , 2011 , 333, 601-7	33.3	689
91	Liu et al. reply. <i>Nature</i> , 2011 , 478, E4-E5	50.4	12
90	Comparison of an expanded ataxia interactome with patient medical records reveals a relationship between macular degeneration and ataxia. <i>Human Molecular Genetics</i> , 2011 , 20, 510-27	5.6	40
89	Information spreading in context 2011 ,		56
88	Modelling the scaling properties of human mobility. <i>Nature Physics</i> , 2010 , 6, 818-823	16.2	729
87	Limits of predictability in human mobility. <i>Science</i> , 2010 , 327, 1018-21	33.3	2015
86	Time to CARE: a collaborative engine for practical disease prediction. <i>Data Mining and Knowledge Discovery</i> , 2010 , 20, 388-415	5.6	90
85	A dynamic network approach for the study of human phenotypes. <i>PLoS Computational Biology</i> , 2009 , 5, e1000353	5	400
84	An empirical framework for binary interactome mapping. <i>Nature Methods</i> , 2009 , 6, 83-90	21.6	674
83	The impact of cellular networks on disease comorbidity. <i>Molecular Systems Biology</i> , 2009 , 5, 262	12.2	175
82	Understanding the spreading patterns of mobile phone viruses. <i>Science</i> , 2009 , 324, 1071-6	33.3	353
81	Scale-free networks: a decade and beyond. <i>Science</i> , 2009 , 325, 412-3	33.3	1243

80	Social science. Computational social science. <i>Science</i> , 2009 , 323, 721-3	33.3	1961
79	Social Group Dynamics in Networks. <i>Understanding Complex Systems</i> , 2009 , 11-38	0.4	32
78	Understanding individual human mobility patterns. <i>Nature</i> , 2008 , 453, 779-82	50.4	3903
77	Impact of the solvent capacity constraint on E. coli metabolism. <i>BMC Systems Biology</i> , 2008 , 2, 7	3.5	87
76	High-quality binary protein interaction map of the yeast interactome network. <i>Science</i> , 2008 , 322, 104-10	33.3	1100
75	Uncovering individual and collective human dynamics from mobile phone records. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2008 , 41, 224015	2	373
74	Predicting individual disease risk based on medical history 2008 ,		55
73	Predicting synthetic rescues in metabolic networks. <i>Molecular Systems Biology</i> , 2008 , 4, 168	12.2	107
72	The Architecture of Complexity. <i>IEEE Control Systems</i> , 2007 , 27, 33-42	2.9	102
71	Impact of non-Poissonian activity patterns on spreading processes. <i>Physical Review Letters</i> , 2007 , 98, 158702	7.4	242
70	Network medicine--from obesity to the "diseasome". <i>New England Journal of Medicine</i> , 2007 , 357, 404-7	59.2	391
69	Drug-target network. <i>Nature Biotechnology</i> , 2007 , 25, 1119-26	44.5	1328
68	From data to models. <i>Nature Physics</i> , 2007 , 3, 224-225	16.2	41
67	Quantifying social group evolution. <i>Nature</i> , 2007 , 446, 664-7	50.4	1117
66	SCALE-FREE NETWORKS IN BIOLOGY. <i>Complex Systems and Interdisciplinary Science</i> , 2007 , 1-19		2
65	COMMUNITY DYNAMICS IN SOCIAL NETWORKS. <i>Fluctuation and Noise Letters</i> , 2007 , 07, L273-L287	1.2	8
64	The human disease network. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 8685-90	11.5	2380
63	Transcription factor modularity in a gene-centered C. elegans core neuronal protein-DNA interaction network. <i>Genome Research</i> , 2007 , 17, 1061-71	9.7	80

62	Distribution of node characteristics in complex networks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 17916-20	11.5	85
61	Human disease classification in the postgenomic era: a complex systems approach to human pathobiology. <i>Molecular Systems Biology</i> , 2007 , 3, 124	12.2	397
60	Analysis of a large-scale weighted network of one-to-one human communication. <i>New Journal of Physics</i> , 2007 , 9, 179-179	2.9	249
59	Community dynamics in social networks 2007 ,		5
58	Stable evolutionary signal in a yeast protein interaction network. <i>BMC Evolutionary Biology</i> , 2006 , 6, 8	3	43
57	Power Laws in Biological Networks 2006 , 1-11		6
56	WIPER: The Integrated Wireless Phone Based Emergency Response System. <i>Lecture Notes in Computer Science</i> , 2006 , 417-424	0.9	16
55	The Architecture of Biological Networks 2006 , 165-181		18
54	A protein-protein interaction network for human inherited ataxias and disorders of Purkinje cell degeneration. <i>Cell</i> , 2006 , 125, 801-14	56.2	637
53	Modeling bursts and heavy tails in human dynamics. <i>Physical Review E</i> , 2006 , 73, 036127	2.4	412
52	THE ARCHITECTURE OF COMPLEXITY: FROM WWW TO CELLULAR METABOLISM 2006 , 107-125		0
51	Sociology. Network theory--the emergence of the creative enterprise. <i>Science</i> , 2005 , 308, 639-41	33.3	102
50	The origin of bursts and heavy tails in human dynamics. <i>Nature</i> , 2005 , 435, 207-11	50.4	1527
49	Human dynamics: Darwin and Einstein correspondence patterns. <i>Nature</i> , 2005 , 437, 1251	50.4	258
48	Metabolic Networks 2005 , 243-264		
47	Inhomogeneous evolution of subgraphs and cycles in complex networks. <i>Physical Review E</i> , 2005 , 71, 025103	2.4	21
46	Reverse engineering of linking preferences from network restructuring. <i>Physical Review E</i> , 2004 , 70, 046115	2.4	1
45	Emergence of scaling in complex networks 2004 , 69-84		7

44	Network biology: understanding the cell's functional organization. <i>Nature Reviews Genetics</i> , 2004 , 5, 101-13	30.1	5439
43	Effect of surface morphology on the sputtering yields. II. Ion sputtering from rippled surfaces. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2004 , 222, 335-354	1.2	26
42	Aggregation of topological motifs in the Escherichia coli transcriptional regulatory network. <i>BMC Bioinformatics</i> , 2004 , 5, 10	3.6	151
41	Functional and topological characterization of protein interaction networks. <i>Proteomics</i> , 2004 , 4, 928-424.8	4.8	468
40	Characteristics of Biological Networks. <i>Lecture Notes in Physics</i> , 2004 , 443-457	0.8	4
39	Hierarchical organization in complex networks. <i>Physical Review E</i> , 2003 , 67, 026112	2.4	1273
38	Bioinformatics analysis of experimentally determined protein complexes in the yeast <i>Saccharomyces cerevisiae</i> . <i>Genome Research</i> , 2003 , 13, 2450-4	9.7	89
37	Morphology of ion-sputtered surfaces. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2002 , 197, 185-227	1.2	412
36	Modeling the Internet's large-scale topology. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 13382-6	11.5	440
35	Systems biology. Life's complexity pyramid. <i>Science</i> , 2002 , 298, 763-4	33.3	370
34	Statistical mechanics of complex networks. <i>Reviews of Modern Physics</i> , 2002 , 74, 47-97	40.5	13246
33	Halting viruses in scale-free networks. <i>Physical Review E</i> , 2002 , 65, 055103	2.4	366
32	Two degrees of separation in complex food webs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 12913-6	11.5	244
31	The physics of the Web. <i>Physics World</i> , 2001 , 14, 33-38	0.5	51
30	Bose-Einstein condensation in complex networks. <i>Physical Review Letters</i> , 2001 , 86, 5632-5	7.4	445
29	Deterministic scale-free networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2001 , 299, 559-564.3	4.3	308
28	Spectra of "real-world" graphs: beyond the semicircle law. <i>Physical Review E</i> , 2001 , 64, 026704	2.4	305
27	Scale-free characteristics of random networks: the topology of the world-wide web. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2000 , 281, 69-77	3.3	819

26	Error and attack tolerance of complex networks. <i>Nature</i> , 2000 , 406, 378-82	50.4	5753
25	Dynamics of complex systems: scaling laws for the period of boolean networks. <i>Physical Review Letters</i> , 2000 , 84, 5660-3	7.4	176
24	Topology of evolving networks: local events and universality. <i>Physical Review Letters</i> , 2000 , 85, 5234-7	7.4	842
23	Thermodynamic and kinetic mechanisms in self-assembled quantum dot formation. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 1999 , 67, 23-30	3.1	18
22	Mean-field theory for scale-free random networks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1999 , 272, 173-187	3.3	1501
21	Diameter of the World-Wide Web. <i>Nature</i> , 1999 , 401, 130-131	50.4	2869
20	Emergence of scaling in random networks. <i>Science</i> , 1999 , 286, 509-12	33.3	22075
19	Equilibrium phase diagrams for dislocation free self-assembled quantum dots. <i>Applied Physics Letters</i> , 1998 , 72, 2102-2104	3.4	63
18	Spatial ordering of islands grown on patterned surfaces. <i>Applied Physics Letters</i> , 1998 , 73, 2651-2653	3.4	40
17	Secondary ion yield changes on rippled interfaces. <i>Applied Physics Letters</i> , 1998 , 72, 906-908	3.4	21
16	Dislocation-Free Island Formation in Heteroepitaxial Growth: A Study at Equilibrium. <i>Physical Review Letters</i> , 1997 , 79, 3708-3711	7.4	303
15	Self-assembled island formation in heteroepitaxial growth. <i>Applied Physics Letters</i> , 1997 , 70, 2565-2567	3.4	237
14	Ion-induced effective surface diffusion in ion sputtering. <i>Applied Physics Letters</i> , 1997 , 71, 2800-2802	3.4	211
13	Roughening of growing surfaces: Kinetic models and continuum theories. <i>Computational Materials Science</i> , 1996 , 6, 127-134	3.2	11
12	Avalanches in the lung: A statistical mechanical model. <i>Physical Review Letters</i> , 1996 , 76, 2192-2195	7.4	46
11	Dynamic scaling of ion-sputtered surfaces. <i>Physical Review Letters</i> , 1995 , 74, 4746-4749	7.4	432
10	Controlling nanostructures. <i>Nature</i> , 1994 , 368, 22-22	50.4	44
9	Avalanches and power-law behaviour in lung inflation. <i>Nature</i> , 1994 , 368, 615-8	50.4	237

8 SURFACTANT-MEDIATED SURFACE GROWTH: NONEQUILIBRIUM THEORY **1994**, 472-485

7 SURFACTANT-MEDIATED SURFACE GROWTH: NONEQUILIBRIUM THEORY. *Fractals*, **1993**, 01, 846-859 3.2 2

6 Multifractality of growing surfaces. *Physical Review A*, **1992**, 45, R6951-R6954 2.6 60

5 Multifractality of self-affine fractals. *Physical Review A*, **1991**, 44, 2730-2733 2.6 282

4 Uncovering the genetic blueprint of the *C. elegans* nervous system 2

3 Controllability in an islet specific regulatory network identifies the transcriptional factor NFATC4, which regulates Type 2 Diabetes associated genes 1

2 Network-based prediction of protein interactions 7

1 Predicting perturbation patterns from the topology of biological networks 3