Luciano Da F Costa

List of Publications by Year
in descending order

243 papers	7,180 citations	70961 41 h-index	76769 74 g-index
247 all docs	247 docs citations	247 times ranked	7896 citing authors

#	Article	IF	Citations
1	On hypercomplex networks. Physica A: Statistical Mechanics and Its Applications, 2022, 591, 126714.	1.2	0
2	Maternal high-fat diet in mice induces cerebrovascular, microglial and long-term behavioural alterations in offspring. Communications Biology, 2022, 5, 26.	2.0	19
3	Methods for Gene Co-expression Network Visualization and Analysis. , 2022, , 143-163.		2
4	Coincidence complex networks. Journal of Physics Complexity, 2022, 3, 015012.	0.9	12
5	Unbiased analysis of mouse brain endothelial networks from two- or three-dimensional fluorescence images. Neurophotonics, 2022, 9, .	1.7	3
6	On Complexity and the Prospects for Scientific Advancement. Revista Brasileira De Ensino De Fisica, 2021, 43, .	0.2	1
7	Contrarian effects and echo chamber formation in opinion dynamics. Journal of Physics Complexity, 2021, 2, 025010.	0.9	1
8	How coupled are capillary electrophoresis and mass spectrometry?. Scientometrics, 2021, 126, 3841-3851.	1.6	6
9	Power laws in the Roman Empire: a survival analysis. Royal Society Open Science, 2021, 8, 210850.	1.1	4
10	Enriching and analyzing small citation networks: A case study on transistorâ€™s history. Physica A: Statistical Mechanics and Its Applications, 2021, 573, 125901.	1.2	1
11	Gland context networks: a novel approach for improving prostate cancer identification. Computerized Medical Imaging and Graphics, 2021, 94, 101999.	3.5	0
12	Vascular contributions to 16p11.2 deletion autism syndrome modeled in mice. Nature Neuroscience, 2020, 23, 1090-1101.	7.1	70
13	A biochemical network modeling of a whole-cell. Scientific Reports, 2020, 10, 13303.	1.6	9
14	Characterization and comparison of large directed networks through the spectra of the magnetic Laplacian. Chaos, 2020, 30, 073141.	1.0	7
15	Syntonets: toward a harmony-inspired general model of complex networks. European Physical Journal B, 2020, 93, 1.	0.6	0
16	Spacing ratio characterization of the spectra of directed random networks. Physical Review E, 2020, 102, 062305.	0.8	12
17	Comparison of Different Spike Train Synchrony Measures Regarding Their Robustness to Erroneous Data From Bicuculline-Induced Epileptiform Activity. Neural Computation, 2020, 32, 887-911.	1.3	5
18	Complex systems: Features, similarity and connectivity. Physics Reports, 2020, 861, 1-41.	10.3	35

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19	Morphological Neuron Classification Based on Dendritic Tree Hierarchy. Neuroinformatics, 2019, 17, 147-161.	1.5	7
20	Problem-solving using complex networks. European Physical Journal B, 2019, 92, 1.	0.6	1
21	Clustering algorithms: A comparative approach. PLoS ONE, 2019, 14, e0210236.	1.1	303
22	Connecting network science and information theory. Physica A: Statistical Mechanics and Its Applications, 2019, 515, 641-648.	1.2	9
23	Analysis and Synthesis of Morphologically Realistic Neural Networks. , 2019, , 505-528.		1
24	Representation of texts as complex networks: a mesoscopic approach. Journal of Complex Networks, 2018, 6, 125-144.	1.1	29
25	Characterizing BJTs using the Early voltage in the forward active mode. International Journal of Circuit Theory and Applications, 2018, 46, 978-986.	1.3	2
26	A pattern recognition approach to transistor array parameter variance. Physica A: Statistical Mechanics and Its Applications, 2018, 499, 176-185.	1.2	0
27	Gene regulatory and signaling networks exhibit distinct topological distributions of motifs. Physical Review E, 2018, 97, 042417.	0.8	2
28	Negative feedback, linearity and parameter invariance in linear electronics. Electrical Engineering, 2018, 100, 1159-1181.	1.2	3
29	The impact of Interconnecting Topologies on SOM Neural Networks. , 2018, , .		0
30	Characterizing the Trabecular Bone Tissue of the Toco Toucan Bill. , 2018, , .		0
31	How integrated are theoretical and applied physics?. Scientometrics, 2018, 116, 1113-1121.	1.6	5
32	An image analysis approach to text analytics based on complex networks. Physica A: Statistical Mechanics and Its Applications, 2018, 510, 110-120.	1.2	4
33	Hyperfiltration in ubiquitin C-terminal hydrolase L1-deleted mice. Clinical Science, 2018, 132, 1453-1470.	1.8	3
34	The dynamics of knowledge acquisition via self-learning in complex networks. Chaos, 2018, 28, 083106.	1.0	12
35	Topology and dynamics in complex networks: The role of edge reciprocity. Europhysics Letters, 2018, 122, 26001.	0.7	2
36	Rumor propagation with heterogeneous transmission in social networks. Journal of Statistical Mechanics: Theory and Experiment, 2017, 2017, 023401.	0.9	22

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37	Analysis of Scanning Electron Microscopy Images To Investigate Adsorption Processes Responsible for Detection of Cancer Biomarkers. ACS Applied Materials & Interfaces, 2017, 9, 5885-5890.	4.0	12
38	Patterns of authors contribution in scientific manuscripts. Journal of Informetrics, 2017, 11, 498-510.	1.4	53
39	Biological network border detection. Integrative Biology (United Kingdom), 2017, 9, 947-955.	0.6	1
40	Knowledge acquisition: A Complex networks approach. Information Sciences, 2017, 421, 154-166.	4.0	56
41	Effects of threshold on the topology of gene co-expression networks. Molecular BioSystems, 2017, 13, 2024-2035.	2.9	13
42	The aPKC-CBP Pathway Regulates Post-stroke Neurovascular Remodeling and Functional Recovery. Stem Cell Reports, 2017, 9, 1735-1744.	2.3	24
43	A diffusion-based approach to obtaining the borders of urban areas. Journal of Statistical Mechanics: Theory and Experiment, 2016, 2016, 053205.	0.9	2
44	Data-oriented neuron classification from their parts. , 2016, , .		0
45	Seeking maximum linearity of transfer functions. Review of Scientific Instruments, 2016, 87, 124701.	0.6	4
46	Topic segmentation via community detection in complex networks. Chaos, 2016, 26, 063120.	1.0	24
47	Using network science and text analytics to produce surveys in a scientific topic. Journal of Informetrics, 2016, 10, 487-502.	1.4	94
48	Mechanosensing is critical for axon growth in the developing brain. Nature Neuroscience, 2016, 19, 1592-1598.	7.1	478
49	Texture recognition based on diffusion in networks. Information Sciences, 2016, 364-365, 51-71.	4.0	24
50	Using complex networks for text classification: Discriminating informative and imaginative documents. Europhysics Letters, 2016, 113, 28007.	0.7	50
51	Concentric network symmetry. Information Sciences, 2016, 333, 61-80.	4.0	9
52	A complex network approach to cloud computing. Journal of Statistical Mechanics: Theory and Experiment, 2016, 2016, 023402.	0.9	2
53	Minimal paths between communities induced by geographical networks. Journal of Statistical Mechanics: Theory and Experiment, 2016, 2016, 023403.	0.9	5
54	Modular transcriptional repertoire and MicroRNA target analyses characterize genomic dysregulation in the thymus of Down syndrome infants. Oncotarget, 2016, 7, 7497-7533.	0.8	19

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55	Temporal modulation of collective cell behavior controls vascular network topology. ELife, 2016, 5, .	2.8	20
56	Thermodynamic characterization of networks using graph polynomials. Physical Review E, 2015, 92, 032810.	0.8	28
57	Community Structure Analysis of Transcriptional Networks Reveals Distinct Molecular Pathways for Early- and Late-Onset Temporal Lobe Epilepsy with Childhood Febrile Seizures. PLoS ONE, 2015, 10, e0128174.	1.1	14
58	Asymmetry and irregularity border as discrimination factor between melanocytic lesions. , 2015, , .		2
59	Automated high-content morphological analysis of muscle fiber histology. Computers in Biology and Medicine, 2015, 63, 28-35.	3.9	15
60	Topological-collaborative approach for disambiguating authorsâ€™ names in collaborative networks. Scientometrics, 2015, 102, 465-485.	1.6	31
61	A framework for analyzing the relationship between gene expression and morphological, topological, and dynamical patterns in neuronal networks. Journal of Neuroscience Methods, 2015, 245, 1-14.	1.3	3
62	Concentric network symmetry grasps authors' styles in word adjacency networks. Europhysics Letters, 2015, 110, 68001.	0.7	35
63	A framework for evaluating complex networks measurements. Europhysics Letters, 2015, 110, 68002.	0.7	3
64	Keystone species in seed dispersal networks are mainly determined by dietary specialization. Oikos, 2015, 124, 1031-1039.	1.2	117
65	A quantitative approach to painting styles. Physica A: Statistical Mechanics and Its Applications, 2015, 417, 110-129.	1.2	7
66	A Systematic Comparison of Supervised Classifiers. PLoS ONE, 2014, 9, e94137.	1.1	162
67	Random walks in directed modular networks. Journal of Statistical Mechanics: Theory and Experiment, 2014, 2014, P12003.	0.9	4
68	Role of centrality for the identification of influential spreaders in complex networks. Physical Review E, 2014, 90, 032812.	0.8	119
69	Entropy of weighted recurrence plots. Physical Review E, 2014, 90, 042919.	0.8	43
70	Structure and dynamics of functional networks in child-onset schizophrenia. Clinical Neurophysiology, 2014, 125, 1589-1595.	0.7	16
71	An image processing approach to analyze morphological features of microscopic images of muscle fibers. Computerized Medical Imaging and Graphics, 2014, 38, 803-814.	3.5	5
72	Sensory-Related Neural Activity Regulates the Structure of Vascular Networks in the Cerebral Cortex. Neuron, 2014, 83, 1117-1130.	3.8	131

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73	Approximate von Neumann entropy for directed graphs. Physical Review E, 2014, 89, 052804.	0.8	45
74	Statistical physics approach to quantifying differences in myelinated nerve fibers. Scientific Reports, 2014, 4, 4511.	1.6	9
75	Methods for Gene Coexpression Network Visualization and Analysis. , 2014, , 79-94.		1
76	Shape, connectedness and dynamics in neuronal networks. Journal of Neuroscience Methods, 2013, 220, 100-115.	1.3	6
77	A methodology to infer gene networks from spatial patterns of expression â€“ an application to fluorescence in situ hybridization images. Molecular BioSystems, 2013, 9, 1926.	2.9	0
78	On time-varying collaboration networks. Journal of Informetrics, 2013, 7, 371-378.	1.4	43
79	The relationship between structure and function in locally observed complex networks. New Journal of Physics, 2013, 15, 013048.	1.2	6
80	Accessibility in networks: A useful measure for understanding social insect nest architecture. Chaos, Solitons and Fractals, 2013, 46, 38-45.	2.5	13
81	Quantifying the interdisciplinarity of scientific journals and fields. Journal of Informetrics, 2013, 7, 469-477.	1.4	44
82	Supervised Classification of Basaltic Aggregate Particles Based on Texture Properties. Journal of Computing in Civil Engineering, 2013, 27, 177-182.	2.5	1
83	Urban Street Networks, a Comparative Analysis of Ten European Cities. Environment and Planning B: Planning and Design, 2013, 40, 1071-1086.	1.7	82
84	Complex Network Analysis of CA3 Transcriptome Reveals Pathogenic and Compensatory Pathways in Refractory Temporal Lobe Epilepsy. PLoS ONE, 2013, 8, e79913.	1.1	22
85	Probing the Statistical Properties of Unknown Texts: Application to the Voynich Manuscript. PLoS ONE, 2013, 8, e67310.	1.1	44
86	Identification of literary movements using complex networks to represent texts. New Journal of Physics, 2012, 14, 043029.	1.2	35
87	Unveiling the relationship between complex networks metrics and word senses. Europhysics Letters, 2012, 98, 18002.	0.7	33
88	Evaluating links through spectral decomposition. Journal of Statistical Mechanics: Theory and Experiment, 2012, 2012, P01015.	0.9	0
89	Effective number of accessed nodes in complex networks. Physical Review E, 2012, 85, 036105.	0.8	24
90	STRUCTURE AND DYNAMICS: THE TRANSITION FROM NONEQUILIBRIUM TO EQUILIBRIUM IN INTEGRATE-AND-FIRE DYNAMICS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2012, 22, 1250174.	0.7	2

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91	Complex networks analysis of language complexity. Europhysics Letters, 2012, 100, 58002.	0.7	34
92	On the use of topological features and hierarchical characterization for disambiguating names in collaborative networks. Europhysics Letters, 2012, 99, 48002.	0.7	33
93	A quantitative approach to evolution of music and philosophy. Journal of Statistical Mechanics: Theory and Experiment, 2012, 2012, P08010.	0.9	4
94	A decaying factor accounts for contained activity in neuronal networks with no need of hierarchical or modular organization. Journal of Statistical Mechanics: Theory and Experiment, 2012, 2012, P11018.	0.9	1
95	Mitochondrial Network Size Scaling in Budding Yeast. Science, 2012, 338, 822-824.	6.0	158
96	Extensive cross-talk and global regulators identified from an analysis of the integrated transcriptional and signaling network in Escherichia coli. Molecular BioSystems, 2012, 8, 3028.	2.9	10
97	The structure and resilience of financial market networks. Chaos, 2012, 22, 013117.	1.0	58
98	Predicting epidemic outbreak from individual features of the spreaders. Journal of Statistical Mechanics: Theory and Experiment, 2012, 2012, P07005.	0.9	22
99	Structureâ€“semantics interplay in complex networks and its effects on the predictability of similarity in texts. Physica A: Statistical Mechanics and Its Applications, 2012, 391, 4406-4419.	1.2	49
100	A complex networks approach for data clustering. Physica A: Statistical Mechanics and Its Applications, 2012, 391, 6174-6183.	1.2	21
101	Three-feature model to reproduce the topology of citation networks and the effects from authorsâ€™ visibility on their h-index. Journal of Informetrics, 2012, 6, 427-434.	1.4	41
102	Morphological Homogeneity of Neurons: Searching for Outlier Neuronal Cells. Neuroinformatics, 2012, 10, 379-389.	1.5	9
103	Study of cerebral gene expression densities using Voronoi analysis. Journal of Neuroscience Methods, 2012, 203, 212-219.	1.3	2
104	Extractive summarization using complex networks and syntactic dependency. Physica A: Statistical Mechanics and Its Applications, 2012, 391, 1855-1864.	1.2	46
105	Gene Expression Complex Networks: Synthesis, Identification, and Analysis. Journal of Computational Biology, 2011, 18, 1353-1367.	0.8	37
106	Resilience of proteinâ€“protein interaction networks as determined by their large-scale topological features. Molecular BioSystems, 2011, 7, 1263.	2.9	15
107	Identifying the starting point of a spreading process in complex networks. Physical Review E, 2011, 84, 056105.	0.8	153
108	Opinion Discrimination Using Complex Network Features. Communications in Computer and Information Science, 2011, , 154-162.	0.4	3

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109	Epithelial organisation revealed by a network of cellular contacts. Nature Communications, 2011, 2, 526.	5.8	48
110	Communication Structure of Cortical Networks. Frontiers in Computational Neuroscience, 2011, 5, 6.	1.2	12
111	Analyzing and modeling real-world phenomena with complex networks: a survey of applications. Advances in Physics, 2011, 60, 329-412.	35.9	532
112	Multiple Pathways Analysis of Brain Functional Networks from EEG Signals: An Application to Real Data. Brain Topography, 2011, 23, 344-354.	0.8	32
113	An entropy-based approach to automatic image segmentation of satellite images. Physica A: Statistical Mechanics and Its Applications, 2011, 390, 512-518.	1.2	54
114	Fast long-range connections in transportation networks. Physics Letters, Section A: General, Atomic and Solid State Physics, 2011, 375, 1626-1629.	0.9	12
115	On the efficiency of data representation on the modeling and characterization of complex networks. Physica A: Statistical Mechanics and Its Applications, 2011, 390, 2172-2180.	1.2	1
116	Entropy-Based Approach to Analyze and Classify Mineral Aggregates. Journal of Computing in Civil Engineering, 2011, 25, 75-84.	2.5	7
117	Gene Expression Noise in Spatial Patterning: hunchback Promoter Structure Affects Noise Amplitude and Distribution in Drosophila Segmentation. PLoS Computational Biology, 2011, 7, e1001069.	1.5	65
118	Comparing intermittency and network measurements of words and their dependence on authorship. New Journal of Physics, 2011, 13, 123024.	1.2	37
119	Structure-Dynamics Interplay in Directed Complex Networks with Border Effects. Communications in Computer and Information Science, 2011, , 46-56.	0.4	2
120	Automatic Network Fingerprinting through Single-Node Motifs. PLoS ONE, 2011, 6, e15765.	1.1	14
121	Characterizing topological and dynamical properties of complex networks without border effects. Physica A: Statistical Mechanics and Its Applications, 2010, 389, 1771-1778.	1.2	5
122	Unveiling the Neuromorphological Space. Frontiers in Computational Neuroscience, 2010, 4, 150.	1.2	33
123	Complexity and anisotropy in host morphology make populations less susceptible to epidemic outbreaks. Journal of the Royal Society Interface, 2010, 7, 1083-1092.	1.5	15
124	Generalized connectivity between any two nodes in a complex network. Physical Review E, 2010, 81, 036113.	0.8	6
125	THE EFFECT OF CORTICO-THALAMIC CONNECTIONS ON THE DIVERSITY OF CORTICAL ACTIVATIONS AS MODELED BY THE ISING MODEL. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2010, 20, 1321-1334.	0.7	1
126	Musical genres: beating to the rhythms of different drums. New Journal of Physics, 2010, 12, 053030.	1.2	16

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127	Identifying the borders of mathematical knowledge. Journal of Physics A: Mathematical and Theoretical, 2010, 43, 325202.	0.7	12
128	Mechanosensitivity of astrocytes on optimized polyacrylamide gels analyzed by quantitative morphometry. Journal of Physics Condensed Matter, 2010, 22, 194114.	0.7	122
129	Estimating complex cortical networks via surface recordingsâ€"A critical note. NeuroImage, 2010, 53, 439-449.	2.1	35
130	Multiscale Curvature Analysis of Asphaltic Aggregate Particles. Journal of Computing in Civil Engineering, 2010, 24, 506-513.	2.5	3
131	Signal propagation in cortical networks: A Digital Signal Processing Approach. Frontiers in Neuroinformatics, 2009, 3, 24.	1.3	5
132	Regulation of Radial Glial Motility by Visual Experience. Journal of Neuroscience, 2009, 29, 14066-14076.	1.7	35
133	Border detection in complex networks. New Journal of Physics, 2009, 11, 063019.	1.2	24
134	Studies ofaberrant phyllotaxy1Mutants of Maize Indicate Complex Interactions between Auxin and Cytokinin Signaling in the Shoot Apical Meristem Â Â. Plant Physiology, 2009, 150, 205-216.	2.3	124
135	Connectivity and dynamics of neuronal networks as defined by the shape of individual neurons. New Journal of Physics, 2009, 11, 103053.	1.2	6
136	Characterization of subgraph relationships and distribution in complex networks. New Journal of Physics, 2009, 11, 013058.	1.2	12
137	The web of connections between tourism companies: Structure and dynamics. Physica A: Statistical Mechanics and Its Applications, 2009, 388, 4286-4296.	1.2	38
138	Modeling worldwide highway networks. Physics Letters, Section A: General, Atomic and Solid State Physics, 2009, 374, 22-27.	0.9	16
139	A structureâ€"dynamic approach to cortical organization: Number of paths and accessibility. Journal of Neuroscience Methods, 2009, 183, 57-62.	1.3	12
140	A complex network approach to text summarization. Information Sciences, 2009, 179, 584-599.	4.0	99
141	Systems Biology through complex networks, signal processing, image analysis, and artificial intelligence. , 2009, , .		0
142	Modularity and robustness of bone networks. Molecular BioSystems, 2009, 5, 255.	2.9	25
143	Comparison of the interactomic networks of different species in terms of accessibility. Molecular BioSystems, 2009, 6, 234-240.	2.9	3
144	Protein lethality investigated in terms of long range dynamical interactions. Molecular BioSystems, 2009, 5, 385.	2.9	13

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145	Performance Improvement of Tomographic Image Reconstruction Based on DSP Processors. IEEE Transactions on Instrumentation and Measurement, 2009, 58, 3295-3304.	2.4	13
146	Modeling Highway Networks with Path-Geographical Transformations. Studies in Computational Intelligence, 2009, , 115-126.	0.7	2
147	Detecting and Characterizing the Modular Structure of the Yeast Transcription Network. Studies in Computational Intelligence, 2009, , 35-46.	0.7	0
148	Objective characterization of the course of the parasellar internal carotid artery using mathematical tools. Surgical and Radiologic Anatomy, 2008, 30, 519-526.	0.6	16
149	Concentric characterization and classification of complex network nodes: Application to an institutional collaboration network. Physica A: Statistical Mechanics and Its Applications, 2008, 387, 6201-6214.	1.2	17
150	Threeâ€dimensional description and mathematical characterization of the parasellar internal carotid artery in human infants. Journal of Anatomy, 2008, 212, 636-644.	0.9	13
151	Hierarchical spatial organization of geographical networks. Journal of Physics A: Mathematical and Theoretical, 2008, 41, 224004.	0.7	8
152	Jararhagin, a snake venom metalloprotease-disintegrin, activates the Rac1 GTPase and stimulates neurite outgrowth in neuroblastoma cells. Toxicon, 2008, 52, 380-384.	0.8	4
153	2D Euclidean distance transform algorithms. ACM Computing Surveys, 2008, 40, 1-44.	16.1	367
154	ON THE EFFECTS OF GEOGRAPHICAL CONSTRAINTS ON TASK EXECUTION IN COMPLEX NETWORKS. International Journal of Modern Physics C, 2008, 19, 847-853.	0.8	3
155	Border trees of complex networks. Journal of Physics A: Mathematical and Theoretical, 2008, 41, 224005.	0.7	10
156	Chain motifs: The tails and handles of complex networks. Physical Review E, 2008, 77, 026106.	0.8	15
157	COMPLEX NETWORKS ANALYSIS OF MANUAL AND MACHINE TRANSLATIONS. International Journal of Modern Physics C, 2008, 19, 583-598.	0.8	43
158	Complex networks: the key to systems biology. Genetics and Molecular Biology, 2008, 31, 591-601.	0.6	71
159	Texture Discrimination Using Hierarchical Complex Networks. , 2008, , 95-102.		5
160	AGN Simulation and Validation Model. Lecture Notes in Computer Science, 2008, , 169-173.	1.0	11
161	DIVERSITY OF CORTICAL STATES AT NONEQUILIBRIUM SIMULATED BY THE ANTI-FERROMAGNETIC ISING MODEL UNDER METROPOLIS DYNAMICS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2007, 17, 2387-2398.	0.7	4
162	What are the best concentric descriptors for complex networks?. New Journal of Physics, 2007, 9, 311-311.	1.2	21

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163	Analyzing trails in complex networks. Physical Review E, 2007, 76, 046106.	0.8	6
164	Rich-club phenomenon across complex network hierarchies. Applied Physics Letters, 2007, 91, .	1.5	125
165	Correlations between structure and random walk dynamics in directed complex networks. Applied Physics Letters, 2007, 91, 054107.	1.5	35
166	Exploring complex networks through random walks. Physical Review E, 2007, 75, 016102.	0.8	63
167	Biological shape characterization for automatic image recognition and diagnosis of protozoan parasites of the genus Eimeria. Pattern Recognition, 2007, 40, 1899-1910.	5.1	59
168	A new method for quantifying three-dimensional interactions between biological structures. Journal of Anatomy, 2007, 210, 221-231.	0.9	8
169	Predicting the connectivity of primate cortical networks from topological and spatial node properties. BMC Systems Biology, 2007, 1, 16.	3.0	65
170	Voronoi analysis uncovers relationship between mosaics of normally placed and displaced amacrine cells in the thraira retina. Neuroinformatics, 2007, 5, 59-77.	1.5	11
171	Complex channel networks of bone structure. Applied Physics Letters, 2006, 88, 033903.	1.5	13
172	Using Complex Networks for Language Processing: The Case of Summary Evaluation. , 2006, , .		8
173	Determining the branchings of 3D structures from respective 2D projections. Computer Graphics and Image Processing (SIBGRAPI), Proceedings of the Brazilian Symposium on, 2006, , .	0.0	0
174	Morphometric differences in a single wing cell can discriminateApis melliferaracial types. Apidologie, 2006, 37, 91-97.	0.9	41
175	Hierarchical Characterization of Complex Networks. Journal of Statistical Physics, 2006, 125, 841-872.	0.5	61
176	High-resolution episcopic microscopy: a rapid technique for high detailed 3D analysis of gene activity in the context of tissue architecture and morphology. Anatomy and Embryology, 2006, 211, 213-221.	1.5	147
177	Correlating thalamocortical connectivity and activity. Applied Physics Letters, 2006, 89, 013903.	1.5	14
178	Pattern formation in a gene network model with boundary shape dependence. Physical Review E, 2006, 73, 031917.	0.8	20
179	Fast and accurate nonlinear spectral method for image recognition and registration. Applied Physics Letters, 2006, 89, 174102.	1.5	4
180	Characterizing polygonality in biological structures. Physical Review E, 2006, 73, 011913.	0.8	26

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181	Learning about knowledge: A complex network approach. Physical Review E, 2006, 74, 026103.	0.8	21
182	Spread of opinions and proportional voting. Physical Review E, 2006, 74, 036112.	0.8	35
183	Modeling and Evaluating Summaries Using Complex Networks. Lecture Notes in Computer Science, 2006, , 1-10.	1.0	11
184	Bone histomorphometry of broilers submitted to different phosphorus sources in growing and finisher rations. Pesquisa Agropecuaria Brasileira, 2006, 41, 1517-1523.	0.9	3
185	A spectral framework for sperm shape characterization. Computers in Biology and Medicine, 2005, 35, 463-473.	3.9	13
186	A possible mechanism of curvature coding in early vision. Neurocomputing, 2005, 65-66, 117-124.	3.5	1
187	An integrated approach to the characterization of cell movement. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2005, 68A, 92-100.	1.1	11
188	Biological sequence analysis through the one-dimensional percolation transform and its enhanced version. Bioinformatics, 2005, 21, 608-616.	1.8	3
189	Statistical mechanics characterization of neuronal mosaics. Applied Physics Letters, 2005, 86, 093901.	1.5	7
190	Self-referred approach to lacunarity. Physical Review E, 2005, 72, 016707.	0.8	21
191	Topographical maps as complex networks. Physical Review E, 2005, 71, 021901.	0.8	8
192	ACTIVE PERCOLATION ANALYSIS OF PYRAMIDAL NEURONS OF SOMATOSENSORY CORTEX: A COMPARISON OF WILD TYPE AND p21H-RasVal12 TRANSGENIC MICE. International Journal of Modern Physics C, 2005, 16, 655-667.	0.8	6
193	STRENGTH DISTRIBUTION IN DERIVATIVE NETWORKS. International Journal of Modern Physics C, 2005, 16, 1097-1105.	0.8	4
194	SZNAJD COMPLEX NETWORKS. International Journal of Modern Physics C, 2005, 16, 1001-1016.	0.8	7
195	Modifier of Cell Adhesion Regulates N-Cadherin-Mediated Cell-Cell Adhesion and Neurite Outgrowth. Journal of Neuroscience, 2005, 25, 281-290.	1.7	44
196	A comparison of morphometric characteristics of sperm from fertile Bos taurus and Bos indicus bulls in Brazil. Animal Reproduction Science, 2005, 85, 105-116.	0.5	43
197	Reinforcing the resilience of complex networks. Physical Review E, 2004, 69, 066127.	0.8	23
198	L-percolations of complex networks. Physical Review E, 2004, 70, 056106.	0.8	13

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199	Biological shape analysis by digital curvature. Pattern Recognition, 2004, 37, 515-524.	5.1	4
200	A texture approach to leukocyte recognition. Real Time Imaging, 2004, 10, 205-216.	1.6	123
201	Nuclear morphometry of neoplastic cells as a method for diagnosis of histiocytoma, mastocytoma and transmissible venereal tumor in dogs. Real Time Imaging, 2004, 10, 197-204.	1.6	7
202	A parallel implementation of exact Euclidean distance transform based on exact dilations. Microprocessors and Microsystems, 2004, 28, 107-113.	1.8	11
203	The Hierarchical Backbone of Complex Networks. Physical Review Letters, 2004, 93, 098702.	2.9	61
204	<title>Depth from (de)focus by local transform</title>. , 2004, , .		0
205	Editorial - Special section on Bioinformatics. Genetics and Molecular Biology, 2004, 27, 604-604.	0.6	0
206	Bioinformatics: perspectives for the future. Genetics and Molecular Research, 2004, 3, 564-74.	0.3	5
207	A Percolation Approach to Neural Morphometry and Connectivity. Neuroinformatics, 2003, 1, 065-080.	1.5	18
208	Morphological Hopfield Networks. Brain and Mind, 2003, 4, 91-105.	0.6	8
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