Jacques Demongeot

List of Publications by Year
in descending order

264 papers	4,984 citations	126907 33 h-index	161849 54 g-index
290 all docs	290 docs citations	290 times ranked	3433 citing authors

#	Article	IF	Citations
1	Functional data analysis: Application to daily observation of COVID-19 prevalence in France. AIMS Mathematics, 2022, 7, 5347-5385.	1.6	14
2	Modeling of COVID-19 Pandemic vis-Ã-vis Some Socio-Economic Factors. Frontiers in Applied Mathematics and Statistics, 2022, 7, .	1.3	11
3	Slow Open Dialectical Behavior Group Therapy for Adolescents and Parents: Comparison between Groups. Psychology, 2022, 13, 1-26.	0.5	0
4	Modeling Vaccine Efficacy for COVID-19 Outbreak in New York City. Biology, 2022, 11, 345.	2.8	15
5	Age Dependent Epidemic Modeling of COVID-19 Outbreak in Kuwait, France, and Cameroon. Healthcare (Switzerland), 2022, 10, 482.	2.0	8
6	On Boolean Automata Isolated Cycles and Tangential Double-Cycles Dynamics. Emergence, Complexity and Computation, 2022, , 145-178.	0.3	1
7	A Model for the Lifespan Loss Due to a Viral Disease: Example of the COVID-19 Outbreak. Infectious Disease Reports, 2022, 14, 321-340.	3.1	4
8	Codon assignment evolvability in theoretical minimal RNA rings. Gene, 2021, 769, 145208.	2.2	4
9	Negative CG dinucleotide bias: An explanation based on feedback loops between Arginine codon assignments and theoretical minimal RNA rings. BioEssays, 2021, 43, 2000071.	2.5	3
10	Slow Open Dialectical Behavior Group Therapy for Adolescents and Parents: Longitudinal Study of Unconscious Orientation. Psychology, 2021, 12, 756-784.	0.5	2
11	Gaining Insights Into the Estimation of the Circadian Rhythms of Social Activity in Older Adults From Their Telephone Call Activity With Statistical Learning: Observational Study. Journal of Medical Internet Research, 2021, 23, e22339.	4.3	2
12	Factors associated with the spatial heterogeneity of the first wave of COVID-19 in France: a nationwide geo-epidemiological study. Lancet Public Health, The, 2021, 6, e222-e231.	10.0	82
13	Exploring trajectories and tourist behavior using the entropy curve. Revista Interamericana De Ambiente Y Turismo, 2021, 17, 27-33.	0.1	0
14	Unpredictable, Counter-Intuitive Geoclimatic and Demographic Correlations of COVID-19 Spread Rates. Biology, 2021, 10, 623.	2.8	7
15	Analysis of Reproduction Number R0 of COVID-19 Using Current Health Expenditure as Gross Domestic Product Percentage (CHE/GDP) across Countries. Healthcare (Switzerland), 2021, 9, 1247.	2.0	21
16	Erratum to â€œSlow Open Dialectical Behavior Group Therapy for Adolescents and Parents: Longitudinal Study of Unconscious Orientationâ€•[Psychology 12 (2021) 756-784]. Psychology, 2021, 12, 1615-1641.	0.5	2
17	Estimation of Daily Reproduction Numbers during the COVID-19 Outbreak. Computation, 2021, 9, 109.	2.0	14
18	What can we learn from COVID-19 data by using epidemic models with unidentified infectious cases?. Mathematical Biosciences and Engineering, 2021, 19, 537-594.	1.9	12

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19	Approach to COVID-19 time series data using deep learning and spectral analysis methods. AIMS Bioengineering, 2021, 9, 1-21.	1.1	13
20	Regression model for surrogate data in high dimensional statistics. Communications in Statistics - Theory and Methods, 2020, 49, 3206-3227.	1.0	4
21	System Design for Emergency Alert Triggered by Falls Using Convolutional Neural Networks. Journal of Medical Systems, 2020, 44, 50.	3.6	8
22	Pentamers with Non-redundant Frames: Bias for Natural Circular Code Codons. Journal of Molecular Evolution, 2020, 88, 194-201.	1.8	14
23	About block-parallel Boolean networks: a position paper. Natural Computing, 2020, 19, 5-13.	3.0	28
24	Accretion history of large ribosomal subunits deduced from theoretical minimal RNA rings is congruent with histories derived from phylogenetic and structural methods. Gene, 2020, 738, 144436.	2.2	12
25	Inverted Covariate Effects for First versus Mutated Second Wave Covid-19: High Temperature Spread Biased for Young. Biology, 2020, 9, 226.	2.8	25
26	Novel statistical approach for assessing the persistence of the circadian rhythms of social activity from telephone call detail records in older adults. Scientific Reports, 2020, 10, 21464.	3.3	4
27	Towards unified and real-time analyses of outbreaks at country-level during pandemics. One Health, 2020, 11, 100187.	3.4	11
28	Comparisons between small ribosomal RNA and theoretical minimal RNA ring secondary structures confirm phylogenetic and structural accretion histories. Scientific Reports, 2020, 10, 7693.	3.3	17
29	Temperature Decreases Spread Parameters of the New Covid-19 Case Dynamics. Biology, 2020, 9, 94.	2.8	113
30	Why Is AUG the Start Codon?. BioEssays, 2020, 42, 1900201.	2.5	10
31	Entropy as a Robustness Marker in Genetic Regulatory Networks. Entropy, 2020, 22, 260.	2.2	8
32	Deamination gradients within codons after 1<â˜'>2 position swap predict amino acid hydrophobicity and parallel Î²-sheet conformational preference. BioSystems, 2020, 191-192, 104116.	2.0	4
33	The primordial tRNA acceptor stem code from theoretical minimal RNA ring clusters. BMC Genetics, 2020, 21, 7.	2.7	14
34	RNA Rings Strengthen Hairpin Accretion Hypotheses for tRNA Evolution: A Reply to Commentaries by Z.F. Burton and M. Di Giulio. Journal of Molecular Evolution, 2020, 88, 243-252.	1.8	17
35	Codon Directional Asymmetry Suggests Swapped Prebiotic 1st and 2nd Codon Positions. International Journal of Molecular Sciences, 2020, 21, 347.	4.1	8
36	Footprints of a Singular 22-Nucleotide RNA Ring at the Origin of Life. Biology, 2020, 9, 88.	2.8	5

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37	SARS-CoV-2 and miRNA-like inhibition power. Medical Hypotheses, 2020, 144, 110245.	1.5	20
38	Circadian Rhythms in the Telephone Calls of Older Adults: Observational Descriptive Study. JMIR MHealth and UHealth, 2020, 8, e12452.	3.7	11
39	Exploitation of Outgoing and Incoming Telephone Calls in the Context of Circadian Rhythms of Social Activity Among Elderly People: Observational Descriptive Study. JMIR MHealth and UHealth, 2020, 8, e13535.	3.7	3
40	From conservative to dissipative non-linear differential systems. An application to the cardio-respiratory regulation. Discrete and Continuous Dynamical Systems - Series S, 2020, 13, 2121-2134.	1.1	4
41	Theoretical minimal RNA rings mimick molecular evolution before tRNA-mediated translation: codon-amino acid affinities increase from early to late RNA rings. , 2020, 343, 111-122.		7
42	Group Therapy for Adolescents and Parents: Study of Unconscious Orientation. NeuroQuantology, 2020, 18, 70-82.	0.2	4
43	Gevrey solutions of singularly perturbed differential equations, an extension to the non-autonomous case. Discrete and Continuous Dynamical Systems - Series S, 2020, 13, 2145-2163.	1.1	0
44	The Fish Floating Attention. Psychology, 2020, 11, 1613-1627.	0.5	0
45	Curves Classification by Using a Local Likelihood Function and Its Practical Usefulness for Real Data. Frontiers in Artificial Intelligence and Applications, 2020, , .	0.3	0
46	The Uroboros Theory of Life's Origin: 22-Nucleotide Theoretical Minimal RNA Rings Reflect Evolution of Genetic Code and tRNA-rRNA Translation Machineries. Acta Biotheoretica, 2019, 67, 273-297.	1.5	25
47	Theoretical minimal RNA rings designed according to coding constraints mimic deamination gradients. Die Naturwissenschaften, 2019, 106, 44.	1.6	19
48	Association between social asymmetry and depression in older adults: A phone Call Detail Records analysis. Scientific Reports, 2019, 9, 13524.	3.3	8
49	Evolution of tRNA into rRNA secondary structures. Gene Reports, 2019, 17, 100483.	0.8	14
50	Bias for 3′-Dominant Codon Directional Asymmetry in Theoretical Minimal RNA Rings. Journal of Computational Biology, 2019, 26, 1003-1012.	1.6	19
51	Emergence of a "Cyclosome" in a Primitive Network Capable of Building "Infinite" Proteins. Life, 2019, 9, 51.	2.4	10
52	Theoretical minimal RNA rings recapitulate the order of the genetic code's codon-amino acid assignments. Journal of Theoretical Biology, 2019, 471, 108-116.	1.7	25
53	More Pieces of Ancient than Recent Theoretical Minimal Proto-tRNA-Like RNA Rings in Genes Coding for tRNA Synthetases. Journal of Molecular Evolution, 2019, 87, 152-174.	1.8	27
54	Spontaneous evolution of circular codes in theoretical minimal RNA rings. Gene, 2019, 705, 95-102.	2.2	33

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55	Memory in plants: Boolean modeling of the learning and store/recall memory functions in response to environmental stimuli. Journal of Theoretical Biology, 2019, 467, 123-133.	1.7	12
56	How to Measure Circadian Rhythms of Activity and Their Disruptions in Humans Using Passive and Unobtrusive Capture of Phone Call Activity. Studies in Health Technology and Informatics, 2019, 264, 1631-1632.	0.3	5
57	An Update and Generalization of Group Unconscious Orientation in OMIE1 Group Training for Therapists. NeuroQuantology, 2019, 17, .	0.2	4
58	Automatic Detection and Recognition of Swallowing Sounds. , 2019, , .		0
59	MaxwellÂ®: An Unsupervised Learning Approach for 5P Medicine. Studies in Health Technology and Informatics, 2019, 264, 1464-1465.	0.3	7
60	Test d'hÃ©tÃ©roscÃ©dasticitÃ© quand les covariables sont fonctionnelles. Comptes Rendus Mathematique, 2018, 356, 571-574.	0.3	1
61	Functional data analysis: estimation of the relative error in functional regression under random left-truncation model. Journal of Nonparametric Statistics, 2018, 30, 472-490.	0.9	8
62	Phase transitions in stochastic non-linear threshold Boolean automata networks on $\mathbb{Z}^2$: The boundary impact. Advances in Applied Mathematics, 2018, 98, 77-99.	0.7	3
63	A Novel Low-Cost Sensor Prototype for Nocturia Monitoring in Older People. IEEE Access, 2018, 6, 52500-52509.	4.2	10
64	Biological Networks Entropies: Examples in Neural Memory Networks, Genetic Regulation Networks and Social Epidemic Networks. Entropy, 2018, 20, 36.	2.2	7
65	ADL SoS-based Platform: Using Technology to Enhance the Quality of Life of the Aging Population. , 2018, , .		1
66	A Novel Monitoring System for Fall Detection in Older People. IEEE Access, 2018, 6, 43563-43574.	4.2	81
67	Reduction of Prolonged Excessive Pressure in Seated Persons With Paraplegia Using Wireless Lingual Tactile Feedback: A Randomized Controlled Trial. IEEE Journal of Translational Engineering in Health and Medicine, 2018, 6, 1-11.	3.7	2
68	From susceptibility to frailty in social networks: The case of obesity. Mathematical Population Studies, 2017, 24, 219-245.	2.2	10
69	Local linear regression modelization when all variables are curves. Statistics and Probability Letters, 2017, 121, 37-44.	0.7	12
70	Estimation of life expectancy of patients diagnosed with the most common cancers in the Valparaiso Region, Chile. Ecancermedicalscience, 2017, 11, 713.	1.1	3
71	Data Fusion for Telemonitoring Application to Health and Autonomy. , 2017, , 535-548.		0
72	Smart Homes and Sensors for Surveillance and Preventive Education at Home: Example of Obesity. Information (Switzerland), 2016, 7, 50.	2.9	6

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73	The Poitiers School of Mathematical and Theoretical Biology: Besson–Gavaudan–Schützenberger's Conjectures on Genetic Code and RNA Structures. Acta Biotheoretica, 2016, 64, 403-426.	1.5	6
74	Estimation locale linéaire de la fonction de régression pour des variables hilbertiennes. Comptes Rendus Mathematique, 2016, 354, 847-850.	0.3	1
75	Discrete Mesh Approach in Morphogenesis Modelling: the Example of Gastrulation. Acta Biotheoretica, 2016, 64, 427-446.	1.5	0
76	Wound Healing and Scale Modelling in Zebrafish. Acta Biotheoretica, 2016, 64, 343-358.	1.5	3
77	Global regulation of individual decisionÂmaking. Mathematical Methods in the Applied Sciences, 2016, 39, 4428-4436.	2.3	5
78	Relative-error prediction in nonparametric functional statistics: Theory and practice. Journal of Multivariate Analysis, 2016, 146, 261-268.	1.0	27
79	Discrete dynamics of contagious social diseases: Example of obesity. Virulence, 2016, 7, 129-140.	4.4	8
80	Social and Community Networks and Obesity. , 2016, , 287-307.		0
81	A Comparison of the Evolution and Entropy of Responses to Picture Choices on an "Absurdum Questionnaire"between Members of Two Different Training Groups. NeuroQuantology, 2016, 14, .	0.2	4
82	Stochastic monotony signature and biomedical applications. Comptes Rendus - Biologies, 2015, 338, 777-783.	0.2	2
83	Obesity determinants: A systematic review. , 2015, , .		4
84	Cluster Detection Tests in Spatial Epidemiology: A Global Indicator for Performance Assessment. PLoS ONE, 2015, 10, e0130594.	2.5	11
85	Actimetry@home: Actimetric Tele-surveillance and Tailored to the Signal Data Compression. Lecture Notes in Computer Science, 2015, , 59-70.	1.3	4
86	Addendum on Entropy to the Exploratory Study on Group Unconscious at the Basque Foundation for the Investigation of Mental Health Group Training for Therapists. NeuroQuantology, 2015, 13, .	0.2	5
87	Complexity and Stability in Biological Systems. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2015, 25, 1540013.	1.7	11
88	Serious Games and Personalization of the Therapeutic Education. Lecture Notes in Computer Science, 2015, , 270-281.	1.3	5
89	Dynalets: A New Tool for Biological Signal Processing Biological signal processing. Contributions To Statistics, 2015, , 141-150.	0.2	0
90	Social and Community Networks and Obesity. , 2015, , 1-22.		0

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91	Implementation of an extended Fellegi-Sunter probabilistic record linkage method using the Jaro-Winkler string comparator. , 2014, , .		11
92	Sensory Substitution for Balance Control Using aÂVestibular-to-Tactile Device. Multisensory Research, 2014, 27, 313-336.	1.1	6
93	Group Unconscious Common Orientation: Exploratory Study at the Basque Foundation for the Investigation of Mental Health Group Training for Therapists. NeuroQuantology, 2014, 12, .	0.2	7
94	MicroRNAs and Robustness in Biological Regulatory Networks. A Generic Approach with Applications at Different Levels: Physiologic, Metabolic, and Genetic. Springer Series in Biophysics, 2014, , 63-114.	0.4	5
95	Evolution of social networks: the example of obesity. Biogerontology, 2014, 15, 611-626.	3.9	17
96	Persistent Behaviour in Healthcare Facilities: From Actimetric Tele-Surveillance to Therapy Education. Lecture Notes in Computer Science, 2014, , 297-311.	1.3	5
97	An empiric weight computation for record linkage using linearly combined fields' similarity scores. , 2014, 2014, 1346-9.		1
98	Dynalets: A new method for modelling and compressing biological signals. Applications to physiological and molecular signals. Comptes Rendus - Biologies, 2014, 337, 609-624.	0.2	6
99	On the Local Linear Modelization of the Conditional Distribution for Functional Data. Sankhya A, 2014, 76, 328-355.	0.8	31
100	Spatial heterogeneity of type I error for local cluster detection tests. International Journal of Health Geographics, 2014, 13, 15.	2.5	9
101	Stability, Complexity and Robustness in Population Dynamics. Acta Biotheoretica, 2014, 62, 243-284.	1.5	8
102	Theoretical and practical aspects of the quadratic error in the local linear estimation of the conditional density for functional data. Computational Statistics and Data Analysis, 2014, 73, 53-68.	1.2	41
103	La simplexitÃ©, ultime avatar de la complexitÃ©Â?. , 2014, , .		0
104	On Circuit Functionality in Boolean Networks. Bulletin of Mathematical Biology, 2013, 75, 906-919.	1.9	27
105	MitomiRs delineating the intracellular localization of microRNAs at mitochondria. Free Radical Biology and Medicine, 2013, 64, 12-19.	2.9	147
106	MitomiRs, ChloromiRs and Modelling of the microRNA Inhibition. Acta Biotheoretica, 2013, 61, 367-383.	1.5	9
107	Random Modelling of Contagious Diseases. Acta Biotheoretica, 2013, 61, 141-172.	1.5	16
108	Formal Methods for Hopfield-Like Networks. Acta Biotheoretica, 2013, 61, 21-39.	1.5	4

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109	Functional data: local linear estimation of the conditional density and its application. Statistics, 2013, 47, 26-44.	0.6	36
110	Estimation of Task Persistence Parameters from Pervasive Medical Systems with Censored Data. IEEE Transactions on Mobile Computing, 2013, 12, 633-646.	5.8	7
111	On the number of update digraphs and its relation with the feedback arc sets and tournaments. Discrete Applied Mathematics, 2013, 161, 1345-1355.	0.9	11
112	LINEAR AND NONLINEAR ARABESQUES: A STUDY OF CLOSED CHAINS OF NEGATIVE 2-ELEMENT CIRCUITS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2013, 23, 1330033.	1.7	9
113	Performance map of a cluster detection test using extended power. International Journal of Health Geographics, 2013, 12, 47.	2.5	13
114	Ambient Assistive Healthcare and Wellness Management â€" Is â€œThe Wisdom of the Bodyâ€•Transposable to Oneâ€™s Home?. Lecture Notes in Computer Science, 2013, , 143-150.	1.3	4
115	Serious Game as New Health Telematics Tool for Patient Therapy Education: Example of Obesity and Type 2 Diabetes. Lecture Notes in Computer Science, 2013, , 187-197.	1.3	4
116	Archimedean copula and contagion modeling in epidemiology. Networks and Heterogeneous Media, 2013, 8, 149-170.	1.1	7
117	ZERO-DIFFUSION DOMAINS IN REACTIONâ€"DIFFUSION MORPHOGENETIC AND EPIDEMIOLOGIC PROCESSES. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2012, 22, 1250028.	1.7	10
118	Robustness in biological regulatory network III: Application to genetic networks controlling the morphogenesis. Comptes Rendus Mathematique, 2012, 350, 289-292.	0.3	6
119	Robustness in biological regulatory networks II: Application to genetic threshold Boolean random regulatory networks (getBren). Comptes Rendus Mathematique, 2012, 350, 225-228.	0.3	11
120	Robustness in biological regulatory networks IV: Application to genetic networks controlling the cell cycle. Comptes Rendus Mathematique, 2012, 350, 293-298.	0.3	6
121	Pressure Sores Prevention for Paraplegic People: Effects of Visual, Auditory and Tactile Supplementations on Overpressures Distribution in Seated Posture. Applied Bionics and Biomechanics, 2012, 9, 61-67.	1.1	11
122	Predictive Power of â€œA Minimaâ€•Models in Biology. Acta Biotheoretica, 2012, 60, 3-19.	1.5	9
123	Robustness in biological regulatory networks I: Mathematical approach. Comptes Rendus Mathematique, 2012, 350, 221-224.	0.3	11
124	Combinatorics of Boolean automata circuits dynamics. Discrete Applied Mathematics, 2012, 160, 398-415.	0.9	45
125	Demography in epidemics modelling. Communications on Pure and Applied Analysis, 2012, 11, 61-82.	0.8	14
126	Collective Intelligence, Social Networks and Propagation of a Social Disease, Obesity. , 2011, , .		8

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127	A Fast Functional Locally Modeled Conditional Density and Mode for Functional Time-Series. Contributions To Statistics, 2011, , 85-90.	0.2	5
128	â€œImmunetworksâ€; intersecting circuits and dynamics. Journal of Theoretical Biology, 2011, 280, 19-33.	1.7	29
129	Determination, Optimization and Taxonomy of Regulatory Networks: The Example of Arabidopsis thaliana Flower Morphogenesis. , 2011, , .		7
130	The singular power of the environment on stochastic nonlinear threshold Boolean automata networks. , 2011, , .		1
131	The Isochronal Fibration: Characterization and Implication in Biology. Acta Biotheoretica, 2010, 58, 121-142.	1.5	10
132	Demography and Diffusion in Epidemics: Malaria and Black Death Spread. Acta Biotheoretica, 2010, 58, 277-305.	1.5	29
133	Estimation locale linÃ©aire de la densitÃ© conditionnelle pour des donnÃ©es fonctionnelles. Comptes Rendus Mathematique, 2010, 348, 931-934.	0.3	14
134	Telemonitoring of the Elderly at Home: Real-Time Pervasive Follow-up of Daily Routine, Automatic Detection of Outliers and Drifts. , 2010, , .		9
135	Attraction Basins as Gauges of Robustness against Boundary Conditions in Biological Complex Systems. PLoS ONE, 2010, 5, e11793.	2.5	65
136	Evolution of the Genetic Regulatory Networks: The Example of the Cell Cycle Control Network From Gastrulation Modelling to Apocatagenesis. , 2010, , .		3
137	Global Strategy of Active Machine Learning for Complex Systems: Embryogenesis Application on Cell Division Detection. , 2010, , .		0
138	On the Number of Attractors of Positive and Negative Boolean Automata Circuits. , 2010, , .		5
139	Behavioral Telemonitoring of the Elderly at Home: Detection of Nycthemeral Rhythms Drifts from Location Data. , 2010, , .		33
140	Demographic and Spatial Factors as Causes of an Epidemic Spread, the Copule Approach: Application to the Retro-prediction of the Black Death Epidemy of 1346. , 2010, , .		7
141	Numerical Modelling Of The V-J Combinations Of The T Cell Receptor TRA/TRD Locus. PLoS Computational Biology, 2010, 6, e1000682.	3.2	19
142	Modeling the Rearrangements of Genes Encoding Immune Receptors. Toward a Prediction Tool of Immune Specificity. , 2009, , .		1
143	Regulatory Networks Analysis: Robustness in Morphogenesis Regulation. , 2009, , .		8
144	Modelling Medical Time and Expertise. Example of the Hospital Stay Duration in Diagnosis Related Groups Data Bases. , 2009, , .		0

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145	Imaging and Modelling of a Degenerative Disease of Retina. , 2009, , .		1
146	Loss of Linearity and Symmetrisation in Regulatory Networks. , 2009, , .		0
147	FI-CGA Score of Old People by Community Based Information System. , 2009, , .		2
148	Pervasive Informatics and Persistent Actimetric Information in Health Smart Homes: From Language Model to Location Model. , 2009, , .		4
149	Robustness in Regulatory Interaction Networks. A Generic Approach with Applications at Different Levels: Physiologic, Metabolic and Genetic. International Journal of Molecular Sciences, 2009, 10, 4437-4473.	4.1	29
150	Biological Boundaries and Biological Age. Acta Biotheoretica, 2009, 57, 397-418.	1.5	32
151	A wireless embedded tongue tactile biofeedback system for balance control. Pervasive and Mobile Computing, 2009, 5, 268-275.	3.3	31
152	RNA Relics and Origin of Life. International Journal of Molecular Sciences, 2009, 10, 3420-3441.	4.1	22
153	Modeling the Glycolysis: An Inverse Problem Approach. , 2009, , .		2
154	Modelling malaria incidence with environmental dependency in a locality of Sudanese savannah area, Mali. Malaria Journal, 2009, 8, 61.	2.3	104
155	Synchrony in reaction–diffusion models of morphogenesis: applications to curvature-dependent proliferation and zero-diffusion front waves. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2009, 367, 4829-4862.	3.4	17
156	From biological and clinical experiments to mathematical models. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2009, 367, 4657-4663.	3.4	4
157	Application of interval iterations to the entrainment problem in respiratory physiology. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2009, 367, 4717-4739.	3.4	2
158	Micro-RNAs: viral genome and robustness of gene expression in the host. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2009, 367, 4941-4965.	3.4	24
159	Understanding Physiological and Degenerative Natural Vision Mechanisms to Define Contrast and Contour Operators. PLoS ONE, 2009, 4, e6010.	2.5	11
160	A Wireless Lingual Feedback Device to Reduce Overpressures in Seated Posture: A Feasibility Study. PLoS ONE, 2009, 4, e7550.	2.5	17
161	Pervasive Informatics and Persistent Actimetric Information in Health Smart Homes. Lecture Notes in Computer Science, 2009, , 108-116.	1.3	6
162	Evolution and RNA Relics. A Systems Biology View. Acta Biotheoretica, 2008, 56, 5-25.	1.5	6

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163	Robustness in Regulatory Networks: A Multi-Disciplinary Approach. Acta Biotheoretica, 2008, 56, 27-49.	1.5	69
164	A General Formalism for Tissue Morphogenesis Based on Cellular Dynamics and Control System Interactions. Acta Biotheoretica, 2008, 56, 51-74.	1.5	10
165	Postural destabilization induced by trunk extensor muscles fatigue is suppressed by use of a plantar pressure-based electro-tactile biofeedback. European Journal of Applied Physiology, 2008, 104, 119-125.	2.5	18
166	Boundary conditions and phase transitions in neural networks. Theoretical results. Neural Networks, 2008, 21, 971-979.	5.9	28
167	Boundary conditions and phase transitions in neural networks. Simulation results. Neural Networks, 2008, 21, 962-970.	5.9	27
168	France's Technologies for Health Program. IEEE Engineering in Medicine and Biology Magazine, 2008, 27, 56-63.	0.8	3
169	The Effects of a Plantar Pressure-Based, Tongue-Placed Tactile Biofeedback System on the Regulation of the Centre of Foot Pressure Displacements During Upright Quiet Standing: A Fractional Brownian Motion Analysis. , 2008, , .		0
170	Sensory supplementation system based on electrotactile tongue biofeedback of head position for balance control. Neuroscience Letters, 2008, 431, 206-210.	2.1	43
171	Can a plantar pressure–based tongue-placed electrotactile biofeedback improve postural control under altered vestibular and neck proprioceptive conditions?. Neuroscience, 2008, 155, 291-296.	2.3	51
172	Effectiveness of an electro-tactile vestibular substitution system in improving upright postural control in unilateral vestibular-defective patients. Gait and Posture, 2008, 28, 711-715.	1.4	25
173	Biological Boundaries and Biological Age: Solutions of Variational Problems. , 2008, , .		0
174	Impact of Fixed Boundary Conditions on the Basins of Attraction in the Flower's Morphogenesis of Arabidopsis Thaliana. , 2008, , .		7
175	Robustness of Dynamical Systems Attraction Basins Against State Perturbations: Theoretical Protocol and Application in Systems Biology. , 2008, , .		2
176	BMP2 and BMP7 play antagonistic roles in feather induction. Development (Cambridge), 2008, 135, 2797-2805.	2.5	88
177	Interaction Motifs in Regulatory Networks and Structural Robustness. , 2008, , .		10
178	Data Fusion for Analysis of Persistence in Pervasive Actimetry of Elderly People at Home, and the Notion of Biological Age. , 2008, , .		8
179	Structural Sensitivity of Neural and Genetic Networks. Lecture Notes in Computer Science, 2008, , 973-986.	1.3	15
180	5. Complexification de la mémoire génétique et de la fonction protéique. , 2008, , 91-111.		0

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181	Primitive genome and RNA relics. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 6339-43.	0.5	1
182	A Circular Hamming Distance, Circular Gumbel Distribution, RNA Relics and Primitive Genome. , 2007, , .		3
183	A brief history about analytic tools in medical imaging: splines, wavelets, singularities and partial differential equations. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 3474-80.	0.5	3
184	Liénard systems and potential–Hamiltonian decomposition â€“ Applications in biology. Comptes Rendus - Biologies, 2007, 330, 97-106.	0.2	26
185	An open issue: The inner mitochondrial membrane (IMM) as a free boundary problem. Biochimie, 2007, 89, 1049-1057.	2.6	22
186	Inter-individual variability in sensory weighting of a plantar pressure-based, tongue-placed tactile biofeedback for controlling posture. Neuroscience Letters, 2007, 421, 173-177.	2.1	25
187	Liénard systems and potential-Hamiltonian decomposition II â€“ algorithm. Comptes Rendus Mathematique, 2007, 344, 191-194.	0.3	23
188	Liénard systems and potential-Hamiltonian decomposition I â€“ methodology. Comptes Rendus Mathematique, 2007, 344, 121-126.	0.3	27
189	Liénard systems and potential-Hamiltonian decomposition III â€“ applications. Comptes Rendus Mathematique, 2007, 344, 253-258.	0.3	26
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