

ANALISIS DE CITAS

Dr. Octavio Miramontes Vidal

Sistemas Complejos, Instituto de Física, UNAM

20 Mayo 2009 - CITAS TOTALES: 649

1) Lacasa L, Luque B, Miramontes O New Journal of Physics 10, 023009, 2008

1. *Luque, B; Miramontes, O; Lacasa, L. Number Theoretic Example of Scale-Free Topology Inducing Self-Organized Criticality. PHYSICAL REVIEW LETTERS 101 (15): Art. No. 158702 OCT 10 2008
-

2) Luque B, Lacasa L, Miramontes O PHYSICAL REVIEW E 76(1) 1 010103 (2007)

2. *Luque, B; Miramontes, O; Lacasa, L. Number Theoretic Example of Scale-Free Topology Inducing Self-Organized Criticality. PHYSICAL REVIEW LETTERS 101 (15): Art. No. 158702 OCT 10 2008
3. *Lacasa L, Luque B, Miramontes O. Phase transition and computational complexity in a stochastic prime number generator, NEW JOURNAL OF PHYSICS 10: 023009, FEB 8 2008
-

3) D. Boyer, O. Miramontes & Ramos-Fernandez G. E-print arXiv:0802.1762. (2008)

4. M.A. Lomholt, Koren Tal, Ralf Metzler and Klafter Joseph. Lévy strategies in intermittent search processes are advantageous. PNAS August 12, 2008 vol. 105 no. 32 11055-11059.
5. Viswanathan, G.M., Raposo, E.P., da Luz, M.G.E. Lévy flights and superdiffusion in the context of biological encounters and random searches. (2008) Physics of Life Reviews, 5 (3) pp. 133-150.
6. Li L, Nørrelykke SF, Cox EC (2008) Persistent Cell Motion in the Absence of External Signals: A Search Strategy for Eukaryotic Cells. PLoS ONE 3(5): e2093
-

4) M. C. Santos, D. Boyer, O. Miramontes, et al. Phys. Rev. E 75, 061114 (2007)

7. Viswanathan, G.M., Raposo, E.P., da Luz, M.G.E. Lévy flights and superdiffusion in the context of biological encounters and random searches. (2008) Physics of Life Reviews, 5 (3) pp. 133-150.
8. Reynolds, A.M. Deterministic walks with inverse-square power-law scaling are an emergent property of predators that use chemotaxis to locate randomly distributed prey (2008) Physical Review E - Statistical, Nonlinear, and Soft Matter Physics, 78 (1), art. no. 011906
9. Boyer, D. Intricate dynamics of a deterministic walk confined in a strip. Europhysics Letters, 83 (2), 2008.
-

5) BOYER D, Ramos-Fernández G, Miramontes O et al. PROC ROY SOCIETY B 273 (2006)

10. Benhamou, S. How many animals really do the Lévy walk? Reply (2008) Ecology, 89 (8) pp. 2351-2352.
11. Bartumeus, F. Behavioral intermittence, Lévy patterns, and randomness in animal movement. OIKOS 118 (4): 488-494 APR 2009
12. Bartumeus, F; Levin, SA. Fractal reorientation clocks: Linking animal behavior to statistical patterns of search. PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA 105 (49): 19072-19077 DEC 9 2008

13. Aureli, F et al. Fission-Fusion Dynamics New Research Frameworks. *CURRENT ANTHROPOLOGY* 49 (4): 627-654 AUG 2008
14. Tercariol, C.A.S., Martinez, A.S. Influence of memory in deterministic walks in random media: Analytical calculation within a mean-field approximation. (2008) *Physical Review E - Statistical, Nonlinear, and Soft Matter Physics*, 78 (3), art. no. 031111
15. Chialvo DR. Emergent complexity: What uphill analysis or downhill invention cannot do. *NEW IDEAS IN PSYCHOLOGY* 26(2): 158-173. AUG 2008
16. Viswanathan, G.M., Raposo, E.P., da Luz, M.G.E. Levy flights and superdiffusion in the context of biological encounters and random searches. (2008) *Physics of Life Reviews*, 5 (3) pp. 133-150.
17. Meats, A., Edgerton, J.E. Short- and long-range dispersal of the Queensland fruit fly, *Bactrocera tryoni* and its relevance to invasive potential, sterile insect technique and surveillance trapping. *Australian Journal of Experimental Agriculture*, 48 (9) pp. 1237-1245. (2008)
18. Reynolds, A.M. Deterministic walks with inverse-square power-law scaling are an emergent property of predators that use chemotaxis to locate randomly distributed prey(2008) *Physical Review E - Statistical, Nonlinear, and Soft Matter Physics*, 78 (1), art. no. 011906
19. Boyer, D. Intricate dynamics of a deterministic walk confined in a strip. *Europhysics Letters*, 83 (2), 2008.
20. Wells, K; Kalko, EKV; Lakim, MB; Pfeiffer, M. Movement and ranging patterns of a tropical rat (*Leopoldamys sabanus*) in logged and unlogged rain forests. *JOURNAL OF MAMMALOGY* 89 (3): 712-720 JUN 2008
21. Sims, DW. et al. Scaling laws of marine predator search behaviour. *Nature* 451, pp 1098-1103. 28 February 2008
22. Tercariol, CAS; Gonzalez, RS; Oliveira, WTR; Martinez, AS. Deterministic and random partially self-avoiding walks in random media. *PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS* 386 (2): 678-680 DEC 15 2007
23. Reynolds, AM. Avoidance of conspecific odour trails results in scale-free movement patterns and the execution of an optimal searching strategy. *EPL* 79 (3): Art. No. 30006 2007
24. Benhamou, S. How many animal really do the Levy walk? *Ecology*, 88(8) pp. 1962–1969 (2007)
25. Bartumeus, F. Lévy processes in animal movement: An evolutionary hypothesis. *Fractals* 15 (2) pp. 151-162.0 (2007)
26. *M. C. Santos, D. Boyer, O. Miramontes, G. M. Viswanathan, E. P. Raposo, J. L. Mateos and M. G. E. da Luz. Origin of power-law distributions in deterministic walks: The influence of landscape geometry. *Phys. Rev. E* 75, 061114 (2007)
27. Reynolds, AM; Reynolds, DR; Smith, AD; Svensson, GP; Lofstedt, C. Appetitive flight patterns of male *Agrotis segetum* moths over landscape scales. *JOURNAL OF THEORETICAL BIOLOGY* 245 (1): 141-149 MAR 7 2007
28. Tercariol, C.A.S., Gonzalez, R.S., Martinez, A.S. Analytical calculation for the percolation crossover in deterministic partially self-avoiding walks in one-dimensional random media. *Physical Review E* 75 (6), art. no. 061117 (2007)
29. Jeger MJ, Marco Pautasso, Ottmar Holdenrieder and Mike W. Shaw. Modelling disease spread and control in networks: implications for plant sciences. *New Phytologist* 174(2): 279 - April 2007
30. Benichou O, Loverdo C, Moreau M, et al. A minimal model of intermittent search in dimension two. *JOURNAL OF PHYSICS-CONDENSED MATTER* 19 (6): Art. No. 065141 FEB 14 2007
31. Oshanin G, Wio HS, Lindenberg K, et al. Intermittent random walks for an optimal search strategy: one-dimensional case. *JOURNAL OF PHYSICS-CONDENSED MATTER* 19 (6): Art. No. 065142 FEB 14 2007
32. Reynolds AM. Optimal scale-free searching strategies for the location of moving targets: New insights on visually cued mate location behaviour in insects. *PHYSICS LETTERS A* 360 (2): 224-227 DEC 25 2006
33. G Ramos-Fernández, D Boyer, VP Gómez. A complex social structure with fission–fusion properties can emerge from a simple foraging model. *Behav Ecol Sociobiol* 60: 536–549 (2006)
34. Chialvo DR. The brain near the edge. Arxiv preprint q-bio. NC/0610041, 2006
35. Benichou O, Loverdo C, Moreau M, et al. Two-dimensional intermittent search processes: An alternative to Levy flight strategies. *PHYSICAL REVIEW E* 74 (2): Art. No. 020102 Part 1 AUG 2006

6) Brunow, G.S., De Souza, O., Miramontes. Braz Arch Biol Tech (2005)

36. Gentz, M.C., Grace, J.K., Mankowski, M.E.. Horizontal transfer of boron by the Formosan subterranean termite (*Coptotermes formosanus* Shiraki) after feeding on treated wood (2009) *Holzforschung*, 63 (1) pp. 113-117.
-

7) BOYER D, MIRAMONTES O et al. PHYSICA A 342 (1-2): 329-335 OCT 15 2004

37. Dees, ND; Bahar, S; Moss, F. Stochastic resonance and the evolution of *Daphnia* foraging strategy. *PHYSICAL BIOLOGY* 5 (4): Art. No. 044001 DEC 2008
38. Aureli, F et al. Fission-Fusion Dynamics New Research Frameworks. *CURRENT ANTHROPOLOGY* 49 (4): 627-654 AUG 2008
39. Tercariol, C.A.S., Martinez, A.S. Influence of memory in deterministic walks in random media: Analytical calculation within a mean-field approximation. (2008) *Physical Review E - Statistical, Nonlinear, and Soft Matter Physics*, 78 (3), art. no. 031111
40. Viswanathan, G.M., Raposo, E.P., da Luz, M.G.E. Levy flights and superdiffusion in the context of biological encounters and random searches. (2008) *Physics of Life Reviews*, 5 (3) pp. 133-150.
41. Boyer, D. Intricate dynamics of a deterministic walk confined in a strip. *Europhysics Letters*, 83 (2), 2008.
42. Dybiec, B. Random strategies of contact tracking. (2008) *Physica A: Statistical Mechanics and its Applications*, 387 (19-20) pp. 4863-4870.
43. Santos, M.C., Viswanathan, G.M., Raposo, E.P., Da Luz, M.G.E. Optimization of random searches on defective lattice networks. *Physical Review E - Statistical, Nonlinear, and Soft Matter Physics* 77 (4), art. no. 041101 (2008)
44. Tercariol, CAS; Gonzalez, RS; Oliveira, WTR; Martinez, AS. Deterministic and random partially self-avoiding walks in random media. *PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS* 386 (2): 678-680 DEC 15 2007
45. Janson, C.H., Byrne, R. What wild primates know about resources: Opening up the black box. *Animal Cognition*, 10 (3) pp. 357-367 (2007)
46. Tercariol, C.A.S., Gonzalez, R.S., Martinez, A.S. Analytical calculation for the percolation crossover in deterministic partially self-avoiding walks in one-dimensional random media. *Physical Review E* 75 (6), art. no. 061117 (2007)
47. *M. C. Santos, D. Boyer, O. Miramontes, G. M. Viswanathan, E. P. Raposo, J. L. Mateos and M. G. E. da Luz. Origin of power-law distributions in deterministic walks: The influence of landscape geometr. *Phys. Rev. E* 75, 061114 (2007)
48. Moreau, M, O. Bénichou, C. Loverdo and R. Voituriez. Intermittent search processes in disordered medium. *Europhys Lett.* 77 20006, 2007.
49. Faustino CL., L. R. da Silva, M. G. E. da Luz, E. P. Raposo and G. M. Viswanathan. Search dynamics at the edge of extinction: Anomalous diffusion as a critical survival state. *Europhysics Letters* 77 30002 (2007)
50. Brown CT, Liebovitch LS, Glendon R. Levy flights in dove ju/hoansi foraging patterns. *HUMAN ECOLOGY* 35 (1): 129-138 FEB 2007
51. Campiteli MG, Martinez AS, Bruno OM. An image analysis methodology based on deterministic tourist walks. *LECTURE NOTES IN COMPUTER SCIENCE* 4140: 159-167 2006
52. Backes AR, Bruno OM, Campiteli MG, et al. Deterministic tourist walks as an image analysis methodology based. *LECTURE NOTES IN COMPUTER SCIENCE* 4225: 784-793 2006
53. Marchesoni F, Taloni A. Subdiffusion and long-time anticorrelations in a stochastic single file. *PHYSICAL REVIEW LETTERS* 97 (10): Art. No. 106101 SEP 8 2006
54. Campiteli MG, Batista PD, Kinouchi O, et al. Deterministic walks as an algorithm of pattern recognition.

PHYSICAL REVIEW E 74 (2): Art. No. 026703 Part 2 AUG 2006

55. Brantingham PJ. Measuring forager mobility. *CURRENT ANTHROPOLOGY* 47 (3): 435-459 JUN 2006
56. Moore, N. T.; Grosberg, A. Y. Abundance of unknots in various models of polymer loops. *MATH.GEN.* 39 9081 (2006)
57. Tercariol CAS, Martinez AS An efficient algorithm to generate random uncorrelated Euclidean diastances: The random link model *BRAZILIAN JOURNAL OF PHYSICS* 36 (1B): 232-236 MAR 2006
58. Tercariol CAS, Martinez AS Analytical results for the statistical distribution related to a memoryless deterministic walk: Dimensionality effect and mean-field models *PHYSICAL REVIEW E* 72 (2): Art. No. 021103 Part 1 AUG 2005
59. Tercariol CAS, Resultados Analiticos para as Distribuicoes Estatisticas Relacionadas a Caminhada Determinista do Turista sem Memoria: Efeito da Dimensionalidade do Sistema e Modelos de Campo Medio. Thesis MPhil, Universidade de Sao Paulo, 2004.

8) DeSouza O, Miramontes O. *SOCIOBIOLOGY* 44 (3): 527-538 2004

60. Lenz, M. Laboratory bioassays with subterranean termites (isoptera) - The importance of termite biology (2009) *Sociobiology*, 53 (2 B) pp. 573-595.
61. Li, Z.-Q., Zhong, J.-H. Starvation endurance of *Solenopsis invicta* (Hymenoptera: Formicidae) (2008) *Sociobiology*, 52 (1) pp. 25-29.
62. *Miramontes O, De Souza O. Individual basis for collective behaviour in the termite, *Cornitermes cumulans*. *Journal of Insect Science* 8:22, 2008

9) ROHANI P, MIRAMONTES O, KEELING MJ. *MATH MED AND BIOL-J OF THE IMA* 2004

63. Richardson, AD. Statistical properties of random CO2 flux measurement uncertainty inferred from model residuals. *AGRICULTURAL AND FOREST METEOROLOGY* 148 (1): 38-50 JAN 7 2008
64. Graham, D.W., Knapp, C.W., Van Vleck, E.S., Bloor, K., Lane, T.B., Graham, C.E. Experimental demonstration of chaotic instability in biological nitrification i(2007) *ISME Journal*, 1 (5) pp. 385-393.
65. Garmendia, A., Salvador, A. Fractal dimension of birds population sizes time series. *Mathematical Biosciences* 206 (1), pp. 155-171, 2007
66. Royer F, Fromentin JM. Recurrent and density-dependent patterns in long-term fluctuations of Atlantic bluefin tuna trap catches. *MARINE ECOLOGY-PROGRESS SERIES* 319: 237-249 2006

10) Ramos-Fernandez G, Mateos JL, Miramontes O, et al. *Behav Ecol Sociobiol* 55(3) 2004

67. Reynolds, AM; Rhodes, CJ The Levy flight paradigm: random search patterns and mechanisms *ECOLOGY* 90 (4): 877-887 APR 2009
68. Petrovskii, S., Morozov, A. Dispersal in a statistically structured population: Fat tails revisited (2009) *American Naturalist*, 173 (2) pp. 278-289.
69. Shin, M., Hong, S., Rhee, I. DTN routing strategies using optimal search patterns (2008) *Proceedings of the Annual International Conference on Mobile Computing and Networking, MOBICOM*, pp. 27-32.

70. Calenge, C., Dray, S., Royer-Carenzi, M. The concept of animals' trajectories from a data analysis perspective (2009) *Ecological Informatics*, 4 (1) pp. 34-41.
71. Hapca, S., Crawford, J.W., Young, I.M. Anomalous diffusion of heterogeneous populations characterized by normal diffusion at the individual level. (2009) *Journal of the Royal Society Interface*, 6 (30) pp. 111-122.
72. Getz, WM; Saltz, D. A framework for generating and analyzing movement paths on ecological landscapes. *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA* 105 (49): 19066-19071 DEC 9 2008
73. Takahashi, H., Horibe, N., Shimada, M., Ikegami, T. Analyzing the house fly's exploratory behavior with autoregression methods (2008) *Journal of the Physical Society of Japan*, 77 (8), art. no. 084802
74. Narendra, A., Cheng, K., Sulikowski, D., Wehner, R. Search strategies of ants in landmark-rich habitats (2008) *Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology*, 194 (11) pp. 929-938.
75. Edwards, A.M. Using likelihood to test for Levy flight search patterns and for general power-law distributions in nature. (2008) *Journal of Animal Ecology*, 77 (6) pp. 1212-1222.
76. Cheung, A., Zhang, S., Stricker, C., Srinivasan, M.V. Animal navigation: General properties of directed walks (2008) *Biological Cybernetics*, 99 (3) pp. 197-217.
77. Zaburdaev, V.Y. Microscopic approach to random walks. (2008) *Journal of Statistical Physics*, 133 (1) pp. 159-167.
78. Rhee, I., Shin, M., Hong, S., Lee, K., Chong, S. On the levy-walk nature of human mobility. (2008) *Proceedings - IEEE INFOCOM*, art. no. 4509740, pp. 1597-1605.
79. Takahashi, H; Horibe, N; Shimada, M; Ikegami, T. Analyzing the house fly's exploratory behavior with autoregression methods. *JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN* 77 (8): Art. No. 084802 AUG 2008
80. Viswanathan, G.M., Raposo, E.P., da Luz, M.G.E. Levy flights and superdiffusion in the context of biological encounters and random searches. (2008) *Physics of Life Reviews*, 5 (3) pp. 133-150.
81. Guy, A.G., Bohan, D.A., Powers, S.J., Reynolds, A.M. Avoidance of conspecific odour by carabid beetles: a mechanism for the emergence of scale-free searching patterns. *Animal Behaviour*, 76 (3) pp. 585-591. (2008)
82. Meats, A., Edgerton, J.E. Short- and long-range dispersal of the Queensland fruit fly, *Bactrocera tryoni* and its relevance to invasive potential, sterile insect technique and surveillance trapping. *Australian Journal of Experimental Agriculture*, 48 (9) pp. 1237-1245. (2008)
83. M.A. Lomholt, Koren Tal, Ralf Metzler and Klafter Joseph. Lévy strategies in intermittent search processes are advantageous. *PNAS* August 12, 2008 vol. 105 no. 32 11055-11059.
84. Reynolds, A.M. Deterministic walks with inverse-square power-law scaling are an emergent property of predators that use chemotaxis to locate randomly distributed prey (2008) *Physical Review E - Statistical, Nonlinear, and Soft Matter Physics*, 78 (1), art. no. 011906
85. Zaburdaev, V., Schmiedeberg, M., Stark, H. Random walks with random velocities (2008) *Physical Review E - Statistical, Nonlinear, and Soft Matter Physics*, 78 (1), art. no. 011119
86. Wells, K; Kalko, EKV; Lakim, MB; Pfeiffer, M. Movement and ranging patterns of a tropical rat (*Leopoldamys sabanus*) in logged and unlogged rain forests. *JOURNAL OF MAMMALOGY* 89 (3): 712-720 JUN 2008
87. Petrovskii, S., Morozov, A., Li, B.-L. On a possible origin of the fat-tailed dispersal in population dynamics. (2008) *Ecological Complexity*, 5 (2) pp. 146-150.
88. Bartumeus, F; Catalan, J; Viswanathan, GM; Raposo, EP; da Luz, MGE, The influence of turning angles on the success of non-oriented animal searches. *JOURNAL OF THEORETICAL BIOLOGY* 252 (1): 43-55 MAY 7 2008
89. Brockmann, D. Anomalous diffusion and the structure of human transportation networks. *EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS* 157: 173-189 APR 2008
90. Santos, M.C., Viswanathan, G.M., Raposo, E.P., Da Luz, M.G.E. Optimization of random searches on defective lattice networks. *Physical Review E - Statistical, Nonlinear, and Soft Matter Physics* 77 (4), art. no. 041101 (2008)
91. M. J. Plank and A. James. Optimal foraging: Levy pattern or process? *J. R. Soc. Interface*, doi:10.1098/rsif.2008.0006. Feb 20, 2008.
92. Patterson, T.A., Thomas, L., Wilcox, C., Ovaskainen, O., Matthiopoulos, J. State-space models of individual animal

- movement. *Trends in Ecology and Evolution*, 23 (2) pp. 87-94. (2008)
93. Lin Liu, John Eck (eds). *Artificial Crime Analysis Systems: Using Computer Simulations and Geographic Information Systems*. Information Science Reference, ISBN-13: 978-1599045917 (January 29, 2008)
 94. Reynolds, AM; Smith, AD; Reynolds, DR; Carreck, NL; Osborne, JL. Honeybees perform optimal scale-free searching flights when attempting to locate a food source. *JOURNAL OF EXPERIMENTAL BIOLOGY* 210 (21): 3763-3770 NOV 1, 2007
 95. A. James and M. J. Plank. On fitting power laws to ecological data. eprint arXiv: 0712.0613, 2007
 96. de Knegt, HJ; Hengeveld, GM; van Langevelde, F; de Boer, WF; Kirkman, KP. Patch density determines movement patterns and foraging efficiency of large herbivores. *BEHAVIORAL ECOLOGY* 18 (6): 1065-1072 NOV-DEC 2007
 97. Edwards, AM; et al. Revisiting Levy flight search patterns of wandering albatrosses, bumblebees and deer. *NATURE* 449 (7165): 1044-U5 OCT 25 2007
 98. Rhodes, T., Turvey, M.T. Human memory retrieval as Levy foraging (2007) *Physica A: Statistical Mechanics and its Applications*, 385 (1) pp. 255-260.
 99. Reynolds, AM. Avoidance of conspecific odour trails results in scale-free movement patterns and the execution of an optimal searching strategy. *EPL* 79 (3): Art. No. 30006 2007
 100. Reynolds, AM; Smith, AD; Menzel, R; Greggers, U; Reynolds, DR; Riley, JR. Displaced honey bees perform optimal scale-free search flights. *ECOLOGY* 88 (8): 1955-1961 AUG 2007
 101. Hapca, S., Crawford, J.W., MacMillan, K., Wilson, M.J., Young, I.M. Modelling nematode movement using time-fractional dynamics. *Journal of Theoretical Biology*, 248 (1) pp. 212-224 2007
 102. Benhamou, S. How many animal really do the Levy walk? *Ecology*, 88(8) pp. 1962–1969 (2007)
 103. Janson, C.H., Byrne, R. What wild primates know about resources: Opening up the black box *Animal Cognition*, 10 (3) pp. 357-367 (2007).
 104. Bartumeus, F. Lévy processes in animal movement: An evolutionary hypothesis. *Fractals* 15 (2) pp. 151-162.0 (2007)
 105. *M. C. Santos, D. Boyer, O. Miramontes, G. M. Viswanathan, E. P. Raposo, J. L. Mateos and M. G. E. da Luz. Origin of power-law distributions in deterministic walks: The influence of landscape geometry. *Phys. Rev. E* 75, 061114 (2007)
 106. Bradshaw, C.J.A., Sims, D.W., Hays, G.C. Measurement error causes scale-dependent threshold erosion of biological signals in animal movement data. *Ecological Applications*, 17 (2) pp. 628-638, 2007
 107. Bertrand, S., Bertrand, A., Guevara-Carrasco, R., Gerlotto, F. Scale-invariant movements of fishermen: The same foraging strategy as natural predators. *Ecological Applications*, 17 (2) pp. 331-337, 2007
 108. Reynolds, AM; Reynolds, DR; Smith, AD; Svensson, GP; Lofstedt, C. Appetitive flight patterns of male *Agrotis segetum* moths over landscape scales. *JOURNAL OF THEORETICAL BIOLOGY* 245 (1): 141-149 MAR 7 2007
 109. Takahashi H, Naoto Horibe, Takahashi Ikegami, Masakazu Shimada. Analyzing House Fly's Exploration Behavior with AR Methods. arXiv:physics/0702170v2 [physics.data-an] 2007
 110. Andy M. Reynolds and Mark A. Frye. Free-Flight Odor Tracking in *Drosophila* Is Consistent with an Optimal Intermittent Scale-Free Search. *PLoS ONE*. 2007; 2(4): e354.
 111. Moreau, M, O. Bénichou, C. Loverdo and R. Voituriez. Intermittent search processes in disordered medium. *Europhys Lett.* 77 (2) 20006 2007.
 112. Faustino CL., L. R. da Silva, M. G. E. da Luz, E. P. Raposo and G. M. Viswanathan. Search dynamics at the edge of extinction: Anomalous diffusion as a critical survival state. *Europhysics Letters* 77 30002 (2007)
 113. Dai XH, Shannon G, Slotow R, et al. Short-duration daytime movements of a cow herd of African elephants. *JOURNAL OF MAMMALOGY* 88 (1): 151-157 FEB 2007
 114. Sims DW, Righton D, Pitchford JW. Minimizing errors in identifying Levy flight behaviour of organisms. *JOURNAL OF ANIMAL ECOLOGY* 76 (2): 222-229 MAR 2007
 115. Marchal P, Poos JJ, Quirijns F. Linkage between fishers' foraging, market and fish stocks density: Examples from some North Sea fisheries. *FISHERIES RESEARCH* 83 (1): 33-43 JAN 2007
 116. Roth TC, Lima SL. Use of prey hotspots by an avian predator: Purposeful unpredictability? *AMERICAN NATURALIST* 169 (2): 264-273 FEB 2007

117. Zhang XX, Johnson SN, Crawford JW, et al. A general random walk model for the leptokurtic distribution of organism movement: Theory and application. *ECOLOGICAL MODELLING* 200 (1-2): 79-88 JAN 10 2007
118. Jane Drummond et al. *Dynamic and Mobile GIS: Investigating Changes in Space and Time*, CRC Press ISBN-13: 978-0849390920, 2006
119. Tercariol CAS, Rodrigo Silva Gonzalez, Alexandre Souto Martinez. Optimum exploration memory and anomalous diffusion in deterministic partially self-avoiding walks in one-dimensional random media. arXiv:cond-mat/0612188v1 [cond-mat.dis-nn] 2006.
120. Reynolds AM. Optimal scale-free searching strategies for the location of moving targets: New insights on visually cued mate location behaviour in insects. *PHYSICS LETTERS A* 360 (2): 224-227 DEC 25 2006
121. Zaburdaev VY. Random walk model with waiting times depending on the preceding jump length. *JOURNAL OF STATISTICAL PHYSICS* 123 (4): 871-881 MAY 2006
122. Korstjens AH, Verhoeckx IL, Dunbar RIM. Time as a constraint on group size in spider monkeys. *BEHAVIORAL ECOLOGY AND SOCIOBIOLOGY* 60 (5): 683-694 SEP 2006
123. Wells K, Pfeiffer M, Lakim MB, et al. Movement trajectories and habitat partitioning of small mammals in logged and unlogged rain forests on Borneo. *JOURNAL OF ANIMAL ECOLOGY* 75 (5): 1212-1223 SEP 2006
124. Naumis GG, del Castillo-Mussot M, Perez LA, et al. Phase transition and diffusivity in social hierarchies with attractive sites. *PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS* 369 (2): 789-798 SEP 15 2006
125. *Boyer D, Ramos-Fernandez G, Miramontes O, et al. Scale-free foraging by primates emerges from their interaction with a complex environment. *PROCEEDINGS OF THE ROYAL SOCIETY B-BIOLOGICAL SCIENCES* 273 (1595): 1743-1750 JUL 22 2006
126. Brantingham PJ. Measuring forager mobility. *CURRENT ANTHROPOLOGY* 47 (3): 435-459 JUN 2006
127. Ramos-Fernandez G, Boyer D, Gomez VP. A complex social structure with fission-fusion properties can emerge from a simple foraging model. *BEHAVIORAL ECOLOGY AND SOCIOBIOLOGY* 60 (4): 536-549 AUG 2006
128. Brockmann D, Hufnagel L, Geisel T. The scaling laws of human travel. *NATURE* 439 (7075): 462-465 JAN 26 2006.
129. Wells K. Impacts of rainforest logging on non-volant small mammal assemblages in Borneo. PhD Thesis, Universität Ulm 2005
130. Bertrand Lanco Sophie, ANALYSE COMPAREE DES DYNAMIQUES SPATIALES DES POISSONS ET DES PECHEURS: MOUVEMENTS ET DISTRIBUTIONS DANS LA PECHERIE D'ANCHOIS (ENGRAULIS RINGENS) DU PEROU. PhD Thesis L'ÉCOLE NATIONALE SUPÉRIEURE AGRONOMIQUE DE RENNES 2005
131. Royer F. and J.-M. Fromentin, A state-space model to derive bluefin tuna movement and habitat from archival tags. *Oikos* 109 (3), 473–484. 2005
132. Bartumeus F. Lévy Processes in Animal Movement and Dispersal. PhD Thesis Universidad de Barcelona, 2005.
133. Bartumeus F, Da Luz MGE, Viswanathan GM, et al. Animal search strategies: A quantitative. random-walk analysis. *ECOLOGY* 86 (11): 3078-3087 NOV 2005
134. Viswanathan GM, Raposo EP, Bartumeus F, et al. Necessary criterion for distinguishing true superdiffusion from correlated random walk processes . *PHYSICAL REVIEW E* 72 (1): Art. No. 011111 Part 1 JUL 2005
135. Sole RV, Bartumeus F, Gamarra JGP. Gap percolation in rainforests. *OIKOS* 110 (1): 177-185 JUL 2005
136. Klafter, J, I Sokolov Anomalous diffusion spreads its wings. *Physics World*, August 2005.
137. Marco A. Janssen, Jeanne M. Sept, et al. Foraging of *Homo ergaster* and *Australopithecus boisei* in East African environments. <http://citeseer.ist.psu.edu/761788.html>
138. Metzler ,R, Klafter, J. The restaurant at the end of the random walk: recent developments in the description of anomalous transport by fractional dynamics. *J. Phys. A: Math. Gen.* 37 (2004) R161–R208
139. Santos, MC; Raposo, EP; Viswanathan, GM; da Luz, MGE. Optimal random searches of revisitable targets: Crossover from superdiffusive to ballistic random walks. *EUROPHYSICS LETTERS*, 67 (5): 734-740 SEP 2004
140. Marthaler D et al. Levy searches based on a priori information: The biased Levy walk. *UCLA CAM Report*, (04-50), 2004
141. *Boyer, D; Miramontes, O; Ramos-Fernandez et al. Modeling the searching behavior of social monkeys. *PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS*, 342 (1-2): 329-335 OCT 15 2004

142. A. V. Chechkin, V. Y. Gonchar, J. Klafter, R. Metzler and L. V. Tanatarov. Levy flights in a steep potential well. *Journal of Statistical Physics* 115 (5-6) (2004) 1505-1535.
143. Chechkin AV, Metzler R, Gonchar VY, et al. First passage and arrival time densities for Levy flights and the failure of the method of images. *JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL* 36 (41): L537-L544 OCT 17 2003

11) Luque B, Miramontes O EUROPHYSICS LETTERS 63 (1): 8-13 JUL 2003

144. Quintanilla, J., Campo, V.L. Electron in a tangled chain: Multifractality at the small-world critical point. *Physical Review B* 75 (14), art. no. 1442040 (2007)
145. Almaas, E.; Kulkarni, R. V.; Stroud, D. Scaling Properties of Random Walks on Small-World Networks. *Physical Review E* 68 056105 (2003)

12) ER Hickel, GR Hickel, OFF de Souza, EF Vilela, O. Miramontes - Pesq. AgroPec. Bras. 2003

146. Poltronieri, AS; Monteiro, LB; May-De-Mio, LL. Population fluctuation and damage from *Grapholita molesta* (Lepidoptera : Tortricidae) in two peach production systems. *REVISTA BRASILEIRA DE FRUTICULTURA* 30 (3): 628-633 SEP 2008
147. Alex Sandro POLTRONIERI, Lino Bittencourt MONTEIRO, Joselia Maria SCHUBER. PROSPECT ON DIAPAUSE OF THE ORIENTAL FRUIT MOTH IN THE DORMENT PERIOD OF THE PEACH TREE. *Scientia Agraria*, v.9, n.1, p.67-72, 2008.

13) Boyer D, Miramontes O. PHYSICAL REVIEW E 67 (3) MAR 2003

148. Uchida, M; Shirayama, S. EIGENMODE OF THE DECISION-BY-MAJORITY PROCESS IN COMPLEX NETWORKS. *ADVANCES IN COMPLEX SYSTEMS* 11 (4): 565-579 AUG 2008
149. Lu, Q; Korniss, G; Szymanski, BK. Naming games in two-dimensional and small-world-connected random geometric networks. *PHYSICAL REVIEW E* 77 (1): Art. No. 016111 Part 2 JAN2008
150. Imayama, R., Shiwa, Y. Lamellar pattern formation in small-world media. *Physica A* 387 (4) pp. 1033-1048 2008
151. Wang, WX; Lin, BY; Tang, CL; Chen, GR. Wang, Agreement dynamics of finite-memory language games on networks. *EUROPEAN PHYSICAL JOURNAL B* 60 (4): 529-536 DEC 2007
152. Castello, X; Toivonen, R; Eguiluz, VM; Saramaki, J; Kaski, K; Miguel, MS. Anomalous lifetime distributions and topological traps in ordering dynamics. *EPL* 79 (6): Art. No. 66006 2007
153. Imayama, R., Shiwa, Y. Phase separation dynamics in small-world media. *European Physical Journal B*, 58 (3) pp. 345-351 (2007)
154. Woloszyn, M; Stauffer, D; Kulakowski, K. Order-disorder phase transition in a cliquy social network. *EUROPEAN PHYSICAL JOURNAL B* 57 (3): 331-335 JUN 2007
155. Uchida, M., Shirayama, S. Effect of initial conditions on Glauber dynamics in complex networks. *Phys. Rev. E* 75 (4), art. no. 0461050 (2007)
156. Dall'Asta L., A Baronchelli, A Barrat, V Loreto. Agreement dynamics on small-world networks. *Europhys. Lett.* 73 (6), p. 969 (2006)
157. Dall'Asta L, ABaronchelli, A Barrat, and Loreto. Nonequilibrium dynamics of language games on complex networks. *Phys. Rev. E* 74, 036105 (2006)
158. X Castelló, VM Eguíluz, M San Miguel. Ordering dynamics with two non-excluding options: bilingualism in language competition. *New J. Phys.* 8 (2006)

159. Dall'Asta L. Dynamical Phenomena on Complex Networks. arXiv:physics/0609124v1 2006
160. Castellano C, Pastor-Satorras R. Zero temperature Glauber dynamics on complex networks. JOURNAL OF STATISTICAL MECHANICS-THEORY AND EXPERIMENT : Art. No. P05001 MAY 2006
161. Qiming Lu, G. Korniss, Boleslaw K. Szymanski. Naming Games in Spatially-Embedded Random Networks. American Association for Artificial Intelligence 2006
162. Ping-Ping Li, Da-Fang Zheng, and P. M. Hui. Dynamics of opinion formation in a small-world network. Phys. Rev. E 73, 056128 (2006)
163. Dall'Asta L. Phenomenes dynamiques sur des reseaux complexes. PhD Thesis Universite de Paris 11 2006
164. Suchecki K, Eguiluz VM, San Miguel M. Voter model dynamics in complex networks: Role of dimensionality, disorder, and degree distribution. PHYSICAL REVIEW E 72 (3): Art. No. 036132 Part 2 SEP 2005
165. Bikas K & Chakrabarti, AD (ed), Quantum Annealing And Related Optimization Methods. ISBN 3540279873, Springer 2005
166. Sen P, Pratap Kumar Das. Dynamical frustration in ANNNI model and annealing. arXiv:cond-mat/0505027v1 2005
167. László Gulyás. Understanding Emergent Social Phenomena. PhD Thesis Loránd Eötvös University, Budapest, Hungary 2005
168. Das PK, P Sen. Zero temperature dynamics of Ising model on a densely connected small world network. Eur. Phys. J. B 47, 391–396 (2005)
169. Castellano C, Loreto V, Barrat A, et al. Comparison of voter and Glauber ordering dynamics on networks. PHYSICAL REVIEW E 71 (6): Art. No. 066107 Part 2 JUN 2005
170. Vilone D, Castellano C Solution of voter model dynamics on annealed small-world networks PHYSICAL REVIEW E 69 (1): Art. No. 016109 Part 2 JAN 2004
171. Holme P, Liljeros F, Edling CR, et al. Network bipartivity PHYSICAL REVIEW E 68 (5): Art. No. 056107 Part 2 NOV 2003
172. Castellano C, Vilone D, Vespignani A Incomplete ordering of the voter model on small-world networks EUROPHYSICS LETTERS 63 (1): 153-158 JUL 2003
173. Medvedyeva K. et al. Dynamic critical behavior of the XY model in small-world networks. Phys. Rev. E 67, 036118 (2003).

14) Miramontes O, Rohani P. PHYSICA D 166 (3-4): 147-154 JUN 15 2002

174. Telesca, L., Lasaponara, R. Long-range correlations in pre- and post-fire satellite SPOT-VGT NDVI data. Proceedings of the 9th IASTED International Conference on Signal and Image Processing, SIP 2007, pp. 360-363
175. Rouyer, T., Fromentin, J.-M., Stenseth, N. Chr., Cazelles, B. Analysing multiple time series and extending significance testing in wavelet analysis. Marine Ecology Progress Series, 359 pp. 11-23 2008
176. Telesca, L., Lasaponara, R., Lanorte, A. Intra-annual dynamical persistent mechanisms in mediterranean ecosystems revealed SPOT-VEGETATION time series. Ecological Complexity, 5 (2) pp. 151-156 2008
177. Telesca, L., Lasaponara, R. Investigating fire-induced behavioural trends in vegetation covers. Communications in Nonlinear Science and Numerical Simulation, 13 (9) pp. 2018-2023.0 (2008)
178. Richardson, AD. Statistical properties of random CO2 flux measurement uncertainty inferred from model residuals. AGRICULTURAL AND FOREST METEOROLOGY 148 (1): 38-50 JAN 7 2008
179. Telesca, L; Lanorte, A; Lasaponara, R. Stability of surface reflectance scaling properties explored by using SPOT-VGT data. INTERNATIONAL JOURNAL OF REMOTE SENSING 28 (24): 5633-5640 2007
180. Sun, J., Zhao, Y., Nakamura, T., Small, M. From phase space to frequency domain: A time-frequency analysis for chaotic time series. Physical Review E 76 (1), art. no. 0162200 2007
181. Telesca L, R Lasaponara. Long-range persistent correlations in decade-long SPOT-VGT NDVI records of fire affected and fire unaffected sites. African Journal of Agricultural Research 2(2) 2007

182. Telesca L, A Lanorte, R Lasaponara. Investigating dynamical trends in burned and unburned vegetation covers using SPOT-VGT NDVI data. *J. Geophys. Eng.* 4 (2): 128-138 2007
183. Telesca L, Balasco M, Lapenna V, et al. Quantifying persistent behavior in Earth's apparent resistivity time series. *FLUCTUATION AND NOISE LETTERS* 6 (4): L371-L378 DEC 2006
184. Lasaponara R, Telesca L Decadal variability in multitemporal satellite SPOT-VEGETATION NDII data. *INTERNATIONAL JOURNAL OF REMOTE SENSING* 27 (20): 4685-4692 OCT 20 2006
185. Telesca L, Lasaponara R. Pre- and post-fire behavioral trends revealed in satellite NDVI time series. *GEOPHYSICAL RESEARCH LETTERS* 33 (14): Art. No. L14401 JUL 18 2006
186. Telesca L, Lasaponara R. Fire-induced variability in satellite SPOT-VGT NDVI vegetational data. *INTERNATIONAL JOURNAL OF REMOTE SENSING* 27 (14): 3087-3095 JUL 20 2006
187. Telesca L, Lasaponara R. Vegetational patterns in burned and unburned areas investigated by using the detrended fluctuation analysis. *PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS* 368 (2): 531-535 AUG 15 2006
188. Telesca L, Lasaponara R, Lanorte A. Discrimination of vegetational patterns in burned and unburned areas. *INTERNATIONAL JOURNAL OF NONLINEAR SCIENCES AND NUMERICAL SIMULATION* 7 (3): 279-284 2006
189. Telesca L, Lasaponara R. Quantifying intra-annual persistent behaviour in SPOT-VEGETATION NDVI data for Mediterranean ecosystems of southern Italy. *REMOTE SENSING OF ENVIRONMENT* 101 (1): 95-103 MAR 15 2006
190. Telesca L, Lasaponara R, Lanorte A. $1/f(\alpha)$ fluctuations in the time dynamics of Mediterranean forest ecosystems by using normalized difference vegetation index satellite data. *PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS* 361 (2): 699-706 MAR 1 2006
191. Telesca L, Lasaponara R, Lanorte A Discriminating fluctuation dynamics in burned and unburned vegetational covers *FLUCTUATION AND NOISE LETTERS* 5 (4): L479-L487 DEC 2005
192. Telesca L, Lasaponara R. Discriminating dynamical patterns in burned and unburned vegetational covers by using SPOT-VGT NDVI data. *GEOPHYSICAL RESEARCH LETTERS* 32 (21): Art. No. L21401 NOV 1 2005.
193. Kaporis P, Nomicos K, Antonopoulos G, et al. Distinguished seismological and electromagnetic features of the impending global failure: Did the 7/9/1999 M5.9 Athens earthquake come with a warning? *EARTH PLANETS AND SPACE* 57 (3): 215-230 2005
194. *Rohani P, Miramontes O, Keeling MJ The colour of noise in short ecological time series data *MATHEMATICAL MEDICINE AND BIOLOGY-A JOURNAL OF THE IMA* 21 (1): 63-72 MAR 2004
195. P. F. Gora, Comment on ``Estimating $1/f^\alpha$ scaling exponent from short time series" [arXiv:cond-mat/0304057v1](https://arxiv.org/abs/cond-mat/0304057v1) 2003

15) Miramontes O, Luque B. *PHYSICA D* 168: 379-385 AUG 1 2002

196. Hsieh, J.-L., Huang, C.-Y., Sun, C.-T., Tsai, Y.-S., Gloria, Y.-M. Learning to build network-oriented epidemic simulation models in epidemiology education (2008) *International Journal of Simulation and Process Modelling*, 4 (3-4) pp. 286-296.
197. Funato, T., Kurabayashi, D. Functional structure of autonomically emerged network in an environment (2006) 2006 IEEE International Conference on Computational Cybernetics, ICCCC, art. no. 4097674
198. Peruani, F; Sibona, GJ. Dynamics and steady states in excitable mobile agent systems. *PHYSICAL REVIEW LETTERS* 100 (16): Art. No. 168103 APR 25 2008
199. Imayama, R., Shiwa, Y. Lamellar pattern formation in small-world media. *Physica A* 387 (4) pp. 1033-1048 2008
200. Jeger, MJ; Pautasso, M; Holdenrieder, O; Shaw, MW. Modelling disease spread and control in networks: implications for plant sciences *NEW PHYTOLOGIST* 174 (2): 279-297 (2007)
201. Li, X., Wang, X. On the stability of epidemic spreading in small-world networks: How prompt the recovery should be? *International Journal of Systems Science*, 38 (5) pp. 401-411 (2007)
202. *Ruelas, E, et al. *Ciencias de la Complejidad y la Innovacion Medica. Ensayos y Modelos.* GRAMA EDITORA-UNAM ISBN 9687191074 (2006)

203. Hsieh JL, Sun CT, Kao GYM, et al. Teaching through simulation: Epidemic dynamics and public health policies. SIMULATION-TRANSACTIONS OF THE SOCIETY FOR MODELING AND SIMULATION INTERNATIONAL 82 (11): 731-759 NOV 2006
204. Manrubia SC, Garcia-Arriaza J, Domingo E, et al. Long-range transport and universality classes in in vitro viral infection spread . EUROPHYSICS LETTERS 74 (3): 547-553 MAY 2006
205. Zhang DM, He MH, Yu XL, et al. Mean-field equations and stable behaviour in an epidemic model of mobile individuals. PHYSICA SCRIPTA 73 (1): 73-78 JAN 2006
206. Li X, Wang XF. Controlling the spreading in small-world evolving networks: Stability, oscillation, and topology. IEEE TRANSACTIONS ON AUTOMATIC CONTROL 51 (3): 534-540 MAR 2006
207. Zhang DM, He MH, Yu XL, et al. Steady states in SIRS epidemical model of mobile individuals. COMMUNICATIONS IN THEORETICAL PHYSICS 45 (1): 105-108 JAN 2006
208. ZHOU Tao, FU Zhongqian, WANG Binghong. Epidemic dynamics on complex networks. Progress in Natural Science 05 2006
209. Huang CY, Sun CT, Hsieh JL, et al. A novel small-world model: Using social mirror identities for epidemic simulations. SIMULATION-TRANSACTIONS OF THE SOCIETY FOR MODELING AND SIMULATION INTERNATIONAL 81 (10): 671-699 OCT 2005
210. James, H.A., Scogings, C.J., Hawick, K.A. Parallel synchronization issues in simulating artificial life. Proceedings of the IASTED International Conference on Parallel and Distributed Computing and Systems 16 , 815-820: 2005
211. Kazuyuki Ikko Takahashi. An application of percolation theory on political science. Complex Systems 2004
212. Huang CY, Sun CT, Hsieh JL, et al. Simulating SARS: Small-world epidemiological modeling and public health policy assessments. JASSS-THE JOURNAL OF ARTIFICIAL SOCIETIES AND SOCIAL SIMULATION 7 (4): OCT 2004
213. Igor V. Belykh, Vladimir N. Belykhh and Martin Hasler. Blinking model and synchronization in small-world networks with a time-varying coupling. Physica D: Nonlinear Phenomena Volume 195, Issues 1-2, 1 August 2004
214. Ramírez-Ávila GM. Synchronization Phenomena in Light-Controlled Oscillators. PhD Thesis, Université Libre de Bruxelles 2004
215. James HA, C.J. Scogings, and K.A. Hawick. Parallel Synchronization Issues in Simulating Artificial Life. Proceeding of the Parallel and Distributed Computing and Systems Conference MIT- 2004
216. Modeling the SARS Epidemic Considering Self-cure. CHINESE JOURNAL OF ENGINEERING MATHEMATICS Vol.20 No.z1 P.20-28,44 2003
217. *Luque B, Miramontes O. Small worlds, mazes and random walks. EUROPHYSICS LETTERS 63 (1): 8-13 JUL 2003
218. *Boyer D, Miramontes O. Interface motion and pinning in small-world networks. PHYSICAL REVIEW E 67 (3): Art. No. 035102 Part 2 MAR 2003

16) Miramontes O, Sole RV, Goodwin BC. INT J BIFUR AND CHAOS 11 (6): 1655-1664 JUN 2001

219. *Miramontes O, De Souza O. Individual basis for collective behaviour in the termite, Cornitermes cumulans. Journal of Insect Science 8:22, 2008
220. Benckiser G, & S. Schnell. Biodiversity In Agricultural Production Systems, CRC Press ISBN-13: 978-1574445893 (2006)

17) DeSouza O, Miramontes O, et al INSECTES SOCIAUX 48 (1): 21-24 2001

221. Marney, D.C.O., Russell, L.J., Mann, R. Fire performance of wood (Pinus radiata) treated with fire retardants and a wood preservative (2008) Fire and Materials, 32 (6) pp. 357-370.

222. *Miramontes O, De Souza O. Individual basis for collective behaviour in the termite, *Cornitermes cumulans*. *Journal of Insect Science* 8:22, 2008
223. Rosa, C.S., Marins, A., DeSouza, O. Interactions between beetle larvae and their termite hosts (coleoptera; Isoptera, nasutitermitinae). *Sociobiology*, 51 (1) pp. 191-197 (2008)
224. Santos, CA; Oliveira, MGD; de Souza, O; Serrao, JE. Social facilitation and lipid metabolism in termites. *SOCIOBIOLOGY* 50 (1): 183-187 2007
225. *GS Brunow, O Souza, O Miramontes. Commercial gouache as a dye for termites in laboratory assays. *Braz. arch. biol. technol.*, vol.48, no.4, p.575-579 July 2005
226. Copren KA, Geard N An individual based model examining the emergence of cooperative recognition in a social insect (Isoptera : Rhinotermitidae). *SOCIOBIOLOGY* 46 (2): 349-361 2005
227. *DeSouza O, Miramontes O. Non-asymptotic trends in the social facilitated survival of termites (Isoptera). *SOCIOBIOLOGY* 44 (3): 527-538 2004
228. Wang CL, Powell JE. Cellulose bait improves the effectiveness of *Metarhizium anisopliae* as a microbial control of termites (Isoptera : Rhinotermitidae) *BIOLOGICAL CONTROL* 30 (2): 523-529 JUN 2004
229. *Og DeSouza, Octavio Miramontes. Unexpected trends in termite survival. arXiv:physics/0307043v1 2003
230. Boyl AM et al, Environmental effects of currently used termiticides under Australian conditions. National Reserach Centre for Environmental Toxicology ISBN 0-9750259-0-2, 2002

18) CECCON_E& MIRAMONTES_O. INTERCIENCIA 24 (2): 112-+ APR-MAY 1999

231. Valentini, C.M.A., Espinosa, M.M., De Paulo, S.R. Estimate of CO₂ efflux of soil, of a transition forest in Northwest of Mato Grosso State, using multiple regression | [Estimativa do efluxo de CO₂ do solo, por meio de regressão múltipla, para floresta de transição no Noroeste de Mato Grosso] . *Cerne* 14 (1), pp. 9-16 (2008)
232. Geisser-Kientz D. y E Pérez-Portilla. ZONIFICACIÓN AGROECOLÓGICA DE SISTEMAS AGROFORESTALES: EL CASO CAFÉ (*Coffea arabica* L.)-PALMA camedor (*Chamaedorea elegans* Mart.) *Revista Interciencia* 31 (8) 556-562, 2006
233. Marina Meira Coelho. Estudo da Respiração do Solo em Floresta de Transição no Sudoeste da Amazônia. Tesis de Maestría. Universidade Federal do Mato Grosso, Brasil, 2006
234. Gudynas E. Los delicados equilibrios de la conservación en América Latina XXII. Rozzi R y Feinsinger P (eds). *Desafíos para la conservación biológica en Latinoamérica*. 28p. Fundacion Omora, Chile 2004
235. Adenson Ortiz Alves. Estudo da Fotossíntese de Espécies Dominantes em Floresta de Floresta de Transição no Sudoeste da Amazônia.. MPhil Thesis, Universidade Federal do Mato Grosso 2004
236. Cecon E. 2001. El paraíso casi perdido: historia breve de la deforestación en Brasil. *Revista Ciencias. UNAM. México, DF. No 64, Octubre-diciembre 2001*.
237. Tatiana Mora Kuplich 2001. Temporal, spatial, spectral and polarisation characteristics of the SAR backscatter from regenerating tropical forests. PhD Thesis University of Southamptom 2001

19) MIRAMONTES_O SIS COM INST TRANSF UNAM-SIGLO XXI (1999)

238. Huber-Sannwald E., et al. La ecología en el tercer milenio. *Revista Ciencia@SanLuisPotosi* año 1, No. 6, agosto 2005.
239. Kollmann, MI. Una revisión de los conceptos de “territorios equilibrados” y “región”. *Procesos de construcción y desconstrucción. Revista THEOMAI número 11 (2005)*
240. Jorge Augusto Cardona. APROXIMACIONES A LAS DIMENSIONES DE SOSTENIBILIDAD Manizales, 2001-08-30 (Rev. 2002-10-18)
241. Gutiérrez Sánchez, JL. EL SUEÑO DE ISAAC ASIMOV O ¿SON MATEMATIZABLES LAS CIENCIAS DE LO

20) MIRAMONTES_O & CECCON_E PHYSICA A 257: (1-4) 439-447 AUG 15 1998

242. *Miramontes O, Rohani P. Estimating $1/f(\alpha)$ scaling exponents from short time-series. PHYSICA D-NONLINEAR PHENOMENA 166 (3-4): 147-154 JUN 15 2002
243. Castro-e-Silva A, Bernardes AT. Analysis of chaotic behaviour in the population dynamics. PHYSICA A 301: (1-4) 63-70 DEC 1 2001.

21) MIRAMONTES_O & ROHANI_PP ROY SOC LOND B 265 (1998)

244. *Miramontes O, De Souza O. Individual basis for collective behaviour in the termite, *Cornitermes cumulans*. Journal of Insect Science 8:22, 2008
245. John M. Halley. How do Scale and Sampling Resolution Affect Perceived Ecological Variability and Redness? In: D. A. Vasseur and K. S. McCann (eds) "The Impact of Environmental Variability on Ecological Systems". Springer-Verlag, Netherlands ISBN 978-1-4020-5850-9 2007
246. Vasseur, D.A. Populations embedded in trophic communities respond differently to coloured environmental noise. Theoretical Population Biology, 72 (2) pp. 186-196 2007
247. Garmendia, A., Salvador, A. Fractal dimension of birds population sizes time series. Mathematical Biosciences 206 (1), pp. 155-171, 2007
248. Golinski MR. Spectral analysis of a two-species competition model: Determining the effects of extreme conditions on the color of noise generated from simulated time series. PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS 367: 276-282 JUL 15 2006
249. Carreon, G. , Hernandez, E., Miramontes, P. DNA circular game of chaos. AIP Conference Proceedings 757, pp. 217-224 (2005)
250. Halley JM. Comparing aquatic and terrestrial variability: at what scale do ecologists communicate? MARINE ECOLOGY-PROGRESS SERIES 304: 274-280 2005.
251. Canals ML, Solis R Geometry of living systems and its importance in medicine. REVISTA MEDICA DE CHILE 133 (9): 1097-1107 SEP 2005.
252. Marquet PA, Quinones RA, Abades S, et al. Scaling and power-laws in ecological systems. JOURNAL OF EXPERIMENTAL BIOLOGY 208 (9): 1749-1769 MAY 2005
253. Kampichler C, Kampichler C. Temporal predictability of soil microarthropod communities in temperate forests. PEDOBIOLOGIA 49 (1): 41-50 2005
254. Kendal, W.S. Taylor's ecological power law as a consequence of scale invariant exponential dispersion models. Ecological Complexity 1 (3) , 193-209: 2004
255. Halley JM, Inchausti P. The increasing importance of $1/f$ -noises as models of ecological variability. FLUCTUATION AND NOISE LETTERS 4 (2): R1-R26 JUN 2004
256. *Rohani P, Miramontes O, Keeling MJ The colour of noise in short ecological time series data MATHEMATICAL MEDICINE AND BIOLOGY-A JOURNAL OF THE IMA 21 (1): 63-72 MAR 2004
257. Julien Clinton Sprott. Chaos and Time-Series Analysis. ISBN 0198508409 Oxford University Press, 2003
258. Aks, D.J., Sprott, J.C. The role of depth and $1/f$ dynamics in perceiving reversible figures. Nonlinear Dynamics, Psychology, and Life Sciences 7 (2) , 161-180: 2003
259. Inchausti P, Halley J On the relation between temporal variability and persistence time in animal populations JOURNAL OF ANIMAL ECOLOGY 72 (6): 899-908 NOV 2003
260. Laakso J, Loytynoja K, Kaitala V Environmental noise and population dynamics of the ciliated protozoa *Tetrahymena thermophila* in aquatic microcosms OIKOS 102 (3): 663-671 SEP 2003

261. Akcakaya HR, Halley JM, Inchausti P Population-level mechanisms for reddened spectra in ecological time series JOURNAL OF ANIMAL ECOLOGY 72 (4): 698-702 JUL 2003
262. Le Van Quyen M Disentangling the dynamic core: a research program for a neurodynamics at the large-scale BIOLOGICAL RESEARCH 36 (1): 67-88 2003
263. Hickel ER, Hickel GR, de Souza OFF, et al. Population dynamics of oriental fruit moth in peach and plum orchards PESQUISA AGROPECUARIA BRASILEIRA 38 (3): 325-337 MAR 2003
264. Halley JM Parameter drift stabilizes long-range extinction forecasts ECOLOGY LETTERS 6 (5): 392-397 MAY 2003
265. *Miramontes O, Rohani P Estimating $1/f(\alpha)$ scaling exponents from short time-series PHYSICA D-NONLINEAR PHENOMENA 166 (3-4): 147-154 JUN 15 2002
266. DJ Aks, GJ Zelinsky, JC Sprott. Memory Across Eye-Movements: $1/f$ Dynamic in Visual Search. Nonlinear Dynamics, Psychology, and Life Sciences 6(1), 2002
267. Pascual M, Roy M, Guichard F, et al. Cluster size distributions: signatures of self-organization in spatial ecologies PHILOSOPHICAL TRANSACTIONS OF THE ROYAL SOCIETY OF LONDON SERIES B-BIOLOGICAL SCIENCES 357 (1421): 657-666 MAY 29 2002
268. Scheuring I, Zeold OE. Data estimation and the colour of time series. J THEOR BIOL 213: (3) 427-434 DEC 7 2001
269. Rohde K, Rohde PP. Fuzzy chaos: Reduced chaos in the combined dynamics of several independently chaotic populations. AM NAT 158: (5) 553-556 NOV 2001
270. Kaitala V, Alaja S, Ranta E. Temporal self-similarity created by spatial individual-based population dynamics. OIKOS 94: (2) 273-278 AUG 2001
271. *Miramontes O, Sole RV, Goodwin BC. Neural networks as sources of chaotic motor activity in ants and how complexity develops at the social scale. INT J BIFURCAT CHAOS 11: (6) 1655-1664 JUN 2001
272. Nachman G. Predator-prey interactions in a nonequilibrium context: the metapopulation approach to modeling. "hide-and-peek" dynamics in a spatially explicit tri-trophic system OIKOS 94: (1) 72-88 JUL 2001
273. Gisiger T. Scale invariance in biology: coincidence or footprint of a universal mechanism? BIOL REV 76: (2) 161-209 MAY 2001.
274. Dennis B, Desharnais RA, Cushing JM, et al. Estimating chaos and complex dynamics in an insect population. ECOL MONOGR 71: (2) 277-303 MAY 2001
275. Lima M, Brazeiro A, Defeo O. Population dynamics of the yellow clam *Mesodesma mactroides*: recruitment variability, density-dependence and stochastic processes. MAR ECOL-PROG SER 207: 97- 108 2000
276. Reis R Jr, OD Souza, EF Vilela. Predators impairing the natural biological control of parasitoids. Anais da Sociedade Entomológica do Brasil 29(3), Sept. 2000
277. PR Reis, LG Chiavegato, EB Alves, EO Sousa. CONTROLE BIOLÓGICO Ácaros da Família Phytoseiidae Associados aos Citros no Município de Lavras, Sul An. Soc. Entomol. Bras. vol.29 no.1 Mar. 2000
278. Morales LM. Viability in a pink environment: why "white noise models can be dangerous. ECOL LETT 2:(4) 228-232 JUL 1999
279. Balmforth NJ, Provenzale A, Spiegel EA, et al. Red spectra from white and blue noise. P ROY SOC LOND B BIO 266: (1416) 311-314 FEB 7 1999

22) MIRAMONTES_O & DESOUZA_O J THEOR BIOL Vol.181 p.373 (1996)

280. McManamy, K., Koehler, P.G., Branscome, D.D., Pereira, R.M. Wood moisture content affects the survival of eastern subterranean termites (Isoptera: Rhinotermitidae), under saturated relative humidity conditions (2008) Sociobiology, 52 (1) pp. 145-156.
281. *Miramontes O, De Souza O. Individual basis for collective behaviour in the termite, *Cornitermes cumulans*. Journal of Insect Science 8:22, 2008
282. Punzo, F. Social facilitation and digging behavior in the beetle *Odontotaenius floridanus schuster* (Coleoptera:

- Passalidae). *Journal of Entomological Science*, 42 (4) pp. 525-532, 2007
283. Santos, CA; Oliveira, MGD; de Souza, O; Serrao, JE. Social facilitation and lipid metabolism in termites. *SOCIOBIOLOGY* 50 (1): 183-187 2007
 284. *Ruelas, E, et al. *Ciencias de la Complejidad y la Innovacion Medica. Ensayos y Modelos. GRAMA EDITORA-UNAM ISBN 9687191074 (2006)*
 285. Stefan Schaal, *From Animals to Animats 8: Proceedings of the Eighth International Conference on the Simulation of Adaptive Behavior. ISBN 0262693410 MIT Press Published 2004*
 286. Copren KA, Geard N. An individual based model examining the emergence of cooperative recognition in a social insect (Isoptera : Rhinotermitidae). *SOCIOBIOLOGY* 46 (2): 349-361 2005
 287. *Brunow GS, de Souza O, Miramontes O. Commercial gouache as a dye for termites in laboratory assays. *BRAZILIAN ARCHIVES OF BIOLOGY AND TECHNOLOGY* 48 (4): 575-579 2005
 288. Johnson RA. Colony founding by pleometrosis in the semiclaustral seed-harvester ant *Pogonomyrmex californicus* (Hymenoptera : Formicidae). *ANIMAL BEHAVIOUR* 68: 1189-1200 Part 5 NOV 2004
 289. Christine Bourjot, Vincent Chevrier. A Platform for the analysis of artificial self-organized systems. 2004 IEEE International Conference on Advances in Intelligent Systems - Theory and Applications - AISTA'2004
 290. *DeSouza O, Miramontes O. Non-asymptotic trends in the social facilitated survival of termites (Isoptera) *SOCIOBIOLOGY* 44 (3): 527-538 2004
 291. Santos CA, DeSouza O, Guedes RNC. Social facilitation attenuating insecticide-driven stress in termites (Isoptera : Nasutitermitinae) *SOCIOBIOLOGY* 44 (3): 539-545 2004
 292. Bourjot, C., Chevrier, V., Thomas, V. A new swarm mechanism based on social spiders colonies: From web weaving to region detection. *Web Intelligence and Agent Systems* 1 (1) , 47-64: 2003
 293. *Og DeSouza, Octavio Miramontes, Unexpected trends in termite survival, arXiv:physics/0307043v1, 2003
 294. Brent CS, Traniello JFA. Influence of sex-specific stimuli on ovarian maturation in primary and secondary reproductives of the dampwood termite *Zootermopsis angusticollis*. *PHYSIOL ENTOMOL* 26: (3) 239-247 SEP 2001
 295. Bourjot C, V Chevrier. Multi-agent simulation in biology: application to social spiders case. Agent Based Simulation Conference, Passau, Germany, 2001
 296. *Miramontes O, Sole RV, Goodwin BC. Neural networks as sources of chaotic motor activity in ants and how complexity develops at the social scale *INT J BIFURCAT CHAOS* 11: (6) 1655-1664 JUN 2001
 297. Siqueira Ortega NR. *Aplicacao da Teoria de Conjuntos Fuzzy a Problemas da Biomedicina. Thesis PhD, UNIVERSIDADE DE SAO PAULO 2001*
 298. *DeSouza O, Miramontes O, Santos CA, et al. Social facilitation affecting tolerance to poisoning in termites (Insecta, Isoptera). *INSECT SOC* 48: (1) 21-24 2001
 299. Brent CS, Traniello JFA Social influence of larvae on ovarian maturation in primary and secondary reproductives of the dampwood termite *Zootermopsis angusticollis*. *PHYSIOL ENTOMOL* 26: (1) 78-85 MAR 2001
 300. Rosengaus RB, Lefebvre ML, Traniello JFA. Inhibition of fungal spore germination by Nasutitermes: Evidence for a possible antiseptic role of soldier defensive secretions. *J CHEM ECOL* 26: (1) 21-39 JAN 2000
 301. Ahmed BM. *THE EFFECTS OF BORON-TREATED TIMBERS AGAINST COPTOTERMES SPECIES IN AUSTRALIA. PhD Thesis, Univesrity of Melbourne 2000*
 302. Muradian R, Issa S, Jaffe K. Energy consumption of termite colonies of *Nasutitermes ephratae* (Isoptera :Termitidae). *PHYSIOL BEHAV* 66: (5) 731-735 JUL 1999
 303. Reynolds C. Individual-Based Models - red3d. com 1999
 304. Rosengaus RB, Maxmen AB, Coates LE, et al. Disease resistance: a benefit of sociality in the dampwood termite *Zootermopsis angusticollis* (Isoptera: Termopsidae). *BEHAV ECOL SOCIOBIOL* 44: (2) 125-134 DEC 1998
 305. Costa-Leonardo AM, Soares HX. Oviposition and survival in females of *Procornitermes araujoii* under laboratory conditions (Isoptera, Termitidae, Nasutitermitinae). *SOCIOBIOLOGY* 30: (3) 289-294 1997

-
306. Pearce, I.G., Chaplain, M.A.J., Schofield, P.G., Anderson, A.R.A., Hubbard, S.F. Chemotaxis-induced spatio-temporal heterogeneity in multi-species host-parasitoid systems. *Journal of Mathematical Biology* 55 (3) pp. 365-388 2007
 307. Pearce IG, Chaplain MAJ, Schofield PG, et al. Modelling the spatio-temporal dynamics of multi-species host-parasitoid interactions: Heterogeneous patterns and ecological implications. *JOURNAL OF THEORETICAL BIOLOGY* 241 (4): 876-886 AUG 21 2006
 308. Tung WW, Qi Y, Gao JB, et al. Direct characterization of chaotic and stochastic dynamics in a population model with strong periodicity. *CHAOS SOLITONS & FRACTALS* 24 (2): 645-652 APR 2005
 309. Castillo D, Velasco-Hernandez JX. Coexistence in a competitive parasitoid-host system. *JOURNAL OF THEORETICAL BIOLOGY* 221 (1): 61-77 MAR 7 2003
 310. Rohde K, Rohde PP. Fuzzy chaos: Reduced chaos in the combined dynamics of several independently chaotic populations. *AM NAT* 158: (5) 553-556 NOV 2001
 311. Dennis B, Desharnais RA, Cushing JM, et al. Estimating chaos and complex dynamics in an insect population. *ECOL MONOGR* 71: (2) 277-303 MAY 2001
 312. Janica Ylikarjula. DYNAMIC COMPLEXITY IN DISCRETE-TIME POPULATION MODELS. Thesis HELSINKI UNIVERSITY OF TECHNOLOGY 1999
 313. *Miramontes O, Cecon E. First-difference fluctuations and the complexity of simple population models exhibiting chaos. *PHYSICA A* 257: (1-4) 439-447 AUG 15 1998
 314. Dennis B, Desharnais RA, Cushing JM, et al. Transitions in population dynamics: Equilibria to periodic cycles to aperiodic cycles. *J ANIM ECOL* 66: (5) 704-729 SEP 1997
 315. Rohani P, Earn DJD. Chaos in a cup of flour. *TRENDS ECOL EVOL* 12: (5) 171-171 MAY 1997

24) MIRAMONTES_O COMPLEXITY Vol.1 p.56 (1995)

316. *Miramontes O, De Souza O. Individual basis for collective behaviour in the termite, *Cornitermes cumulans*. *Journal of Insect Science* 8:22, 2008
317. Ken Richardson. *A Mind for Structure: Exploring the Roots of Intelligent Systems*. Universal Publishers ISBN 159942407X (2006)
318. Katare S, West DH. Optimal complex networks spontaneously emerge when information transfer is maximized at least expense: A design perspective *COMPLEXITY* 11 (4): 26-35 MAR-APR 2006
319. Marquet PA, Quinones RA, Abades S, et al. Scaling and power-laws in ecological systems. *JOURNAL OF EXPERIMENTAL BIOLOGY* 208 (9): 1749-1769 MAY 2005
320. *DeSouza O, Miramontes O. Non-asymptotic trends in the social facilitated survival of termites (Isoptera). *SOCIOBIOLOGY* 44 (3): 527-538 2004
321. Daniel Polani. *Robocup 2003: Robot Soccer World Cup VII*, ISBN 3540224432, Springer 2004.
322. Prokopenko M, Wang P. Evaluating team performance at the edge of chaos. *LECTURE NOTES IN COMPUTER SCIENCE* 3020: 89-101 2004
323. Romualdo Pastor-Satorras, Miguel, Rubí, Albert, Diaz-Guilera. *Statistical Mechanics of Complex Networks*. ISBN 3540403728 Springer 2003
324. Ricard V. Solé, Susanna C. Manrubia. *Orden y caos en sistemas complejos*. ISBN 8483014319 Edicions UPC 2001
325. *Miramontes O, Sole RV, Goodwin BC. Neural networks as sources of chaotic motor activity in ants and how complexity develops at the social scale. *INT J BIFURCAT CHAOS* 11: (6) 1655-1664 JUN 2001
326. *Miramontes, O. Orden y caos en la organización social de las hormigas. *Ciencias* 59:32-45 (2000)
327. Grover WD. Self-organizing broad-band transport networks. *PROC IEEE* 85: (10) 1582-1611 OCT 1997
328. Bohan DA, Hominick WM. Long-term dynamics of infectiousness within the infective-stage pool of the entomopathogenic nematode *Steinernema feltiae* (site 76 strain) Filipjev. *PARASITOLOGY* 114: 301-308 Part 3 MAR 1997

329. Philip S. Goetz. ATTRACTORS IN RECURRENT BEHAVIOR NETWORKS. PhD Thesis State University of New York 1997
330. *Miramontes O, DeSouza O. The nonlinear dynamics of survival and social facilitation in termites. J THEOR BIOL 181: (4) 373-380 AUG 21 1996

25) ROHANI_P & MIRAMONTES_O J. THEOR. BIOL. 175 (1995)

331. Sun, G.-Q., Zhang, G., Jin, Z. Dynamic behavior of a discrete modified Ricker & Beverton-Holt model (2009) Computers and Mathematics with Applications, 57 (8) pp. 1400-1412.
332. Abbott, K.C., Dwyer, G. Using mechanistic models to understand synchrony in forest insect populations: The North American gypsy moth as a case study. American Naturalist, 172 (5) pp. 613-624 (2008)
333. Braverman E, Kinzebulatov D. On linear perturbations of the Ricker model. MATHEMATICAL BIOSCIENCES 202 (2): 323-339 AUG 2006
334. Esa Ranta, Per Lundberg, Veijo Kaitala. Ecology of Populations. ISBN 0521854350 Cambridge University Press, 2006
335. Hilker FM, Westerhoff FH. Paradox of simple limiter control. PHYSICAL REVIEW E 73 (5): Art. No. 052901 Part 1 MAY 2006
336. Gao SJ, Chen LS. Dynamic complexities in a single-species discrete population model with stage structure and birth pulses. CHAOS SOLITONS & FRACTALS 23 (2): 519-527 JAN 2005
337. Wang Hongbin, ZHANG Pei-yi, Dian Jammu, Zhang Zhen. Detection of chaos in natural population and its significance in the study of population dynamics. Acta Ecologica Sinica 10 2003
338. Xiao Y, Cheng DZ, Tang SY. Dynamic complexities in predator-prey ecosystem models with age-structure for predator CHAOS SOLITONS & FRACTALS 14 (9): 1403-1411 DEC 2002
339. Tang SY, Chen LS. Chaos in functional response host-parasitoid ecosystem models. CHAOS SOLITON FRACT 13: (4) 875-884 MAR 2002
340. Scheuring I., Is Chaos Due to Over-simplification in Models of Population Dynamics? Biology and Life Sciences Volume 2, Numbers 1-2 / April 2002
341. Tesar D, Kaitala V, Ranta E. Stochasticity and spatial coexistence of semelparity and iteroparity as life histories. EVOLUTIONARY ECOLOGY 15 (3): 193-204 2001
342. Sun P, Yang XB. Dynamic behaviors of the Ricker population model under a set of randomized perturbations. MATH BIOSCI 164: (2) 147-159 APR 2000
343. Sun P, Yang XB. Deterministic property changes in population models under random error perturbations. ECOL MODEL 119: (2-3) 239-247 JUL 15 1999
344. Stone L, Hart D. Effects of immigration on the dynamics of simple population models. THEOR POPUL BIOL 55: (3) 227-234 JUN 1999
345. Kaitala V, Ylikarjula J, Heino M. Dynamic complexities in host-parasitoid interaction. J THEOR BIOL 197: (3) 331-341 APR 7 1999
346. Rohani P, Ruxton GD. Dispersal-induced instabilities in host-parasitoid metapopulations. THEOR POPUL BIOL 55: (1) 23-36 FEB 1999
347. Ruxton GD, Rohani P. Population floors and the persistence of chaos in ecological models. THEOR POPUL BIOL 53: (3) 175-183 JUN 1998
348. Dennis B, Desharnais RA, Cushing JM, et al. Transitions in population dynamics: Equilibria to periodic cycles to aperiodic cycles. J ANIM ECOL 66: (5) 704-729 SEP 1997
349. Janosi IM, Scheuring I. On the evolution of density dependent dispersal in a spatially structured population model. J THEOR BIOL 187: (3) 397-408 AUG 7 1997
350. Frank Schweitzer. Self-Organization of Complex Structures: From Individual to Collective Dynamics. ISBN 9056990276 CRC Press, 1997
351. Paradis E. Metapopulations and chaos: On the stabilizing influence of dispersal. J THEOR BIOL 186: (2)

261-266 MAY 21 1997

352. Boldrini JL, Bassanezi RC, Moretti AC, et al. Non-local interactions and the dynamics of dispersal in immature insects. *J THEOR BIOL* 185: (4) 523-531 APR 21 1997
353. *Rohani P, Miramontes O. Chaos or quasiperiodicity in laboratory insect populations? *J ANIM ECOL* 65:(6) 847-849 NOV 1996

26) HASSELL_MP, MIRAMONTES_O, ROHANI_P & MAY_RM J. AN. ECOL 64 (1995)

354. Fowler, MS. Density dependent dispersal decisions and the Allee effect *OIKOS* 118 (4): 604-614 APR 2009
355. Campos, D; Mendez, V; Ortega-Cejas, V. Lattice models for invasions through patchy environments. *BULLETIN OF MATHEMATICAL BIOLOGY* 70 (7): 1937-1956 OCT 2008
356. Filotas, E; Grant, M; Parrott, L; Rikvold, PA. Community-driven dispersal in an individual-based predator-prey model. *ECOLOGICAL COMPLEXITY* 5 (3): 238-251 SEP 2008
357. Fort, J; Pujol, T. Progress in front propagation research. *REPORTS ON PROGRESS IN PHYSICS* 71 (8): Art. No. 086001 AUG 2008
358. A.S. Best, K.Johst, T.Münkemüller and J.M. J. Travis. Which species will successfully track climate change? The influence of intraspecific competition and density dependent dispersal on range shifting dynamics. *Oikos* 116 (9): 1531-1539 (2007)
359. Munkemuller T, Johst K. Compensatory versus over-compensatory density regulation: Implications for metapopulation persistence in dynamic landscapes. *ECOLOGICAL MODELLING* 197 (1-2): 171-178 AUG 10 2006
360. Ambika G, Menon K, Harikrishnan KP. Lattice stochastic resonance in coupled map lattice. *EUROPHYSICS LETTERS* 73 (4): 506-512 FEB 2006.
361. Medvinsky AB, Gonik MM, Berezovskaya FS, et al. Rotifer population dynamics in two coupled habitats: Invasion of chaos. *BIOLOGICAL INVASIONS* 7 (5): 877-883 SEP 2005
362. F.T. GIORDANI J.A.L. da SILVA. Sincronizacao em Metapopulacoes com Migracao Dependente da Densidade. *TEMA Tend. Mat. Apl. Comput.*, 6, No. 2 (2005), 229-237.
363. Singh BK, Rao JS, Ramaswamy R, et al. The role of heterogeneity on the spatiotemporal dynamics of host-parasite metapopulation. *ECOLOGICAL MODELLING* 180 (2-3): 435-443 DEC 25 2004
364. Abdusalam HA. Analytic and approximate solutions for Nagumo telegraph reaction diffusion equation. *APPLIED MATHEMATICS AND COMPUTATION* 157 (2): 515-522 OCT 5 2004
365. Yaneer Bar-Yam. *Unifying Themes in Complex Systems Volume II*. ISBN 081334123X. Westview Press (2003)
366. Ambika G, Menon K Fractal patterns on the onset of coherent structures in a coupled map lattice *PRAMANA-JOURNAL OF PHYSICS* 59 (1): L155-L161 JUL 2002
367. John G. Hof, Michael Bevers. *Spatial Optimization in Ecological Applications*. ISBN 0231125445. Columbia University Press 2002
368. Tesar D, Kaitala V, Ranta E. Stochasticity and spatial coexistence of semelparity and iteroparity as life histories. *EVOLUTIONARY ECOLOGY* 15 (3): 193-204 2001
369. Silva JAL, de Castro ML, Justo DAR. Stability in a metapopulation model with density-dependent dispersal. *B MATH BIOL* 63: (3) 485-505 MAY 2001
370. Saravia LA, Ruxton GD, Coviella CE. The importance of transients' dynamics in spatially extended populations. *PROY SOC LOND B BIO* 267: (1454) 1781-1785 SEP 7 2000.
371. Hassell MP. *Hosparasitoid population dynamics*, *J ANIM ECOL* 69: (4) 543-566 JUL 2000.
372. Hassell MP. *The spatial and temporal dynamics of host-parasitoid interactions*. ISBN13: 9780198540892. Oxford University Press 2000.
373. Case TJ, Taper ML. Interspecific competition, environmental gradients, gene flow, and the coevolution of species' borders. *AM NAT* 155: (5) 583-605 MAY 2000
374. Johnson MP. Scale of density dependence as an alternative to local dispersal in spatial ecology. *J ANIM ECOL*

69: (3) 536-540 MAY 2000

375. Silva JAL, De Castro ML, Justo DAR. Synchronism in a metapopulation model. *B MATH BIOL* 62: (2) 337-349 MAR 2000
376. Carretero-Gonzalez R, Arrowsmith DK, Vivaldi F. One-dimensional dynamics for traveling fronts in coupled map lattices. *PHYS REV E* 61: (2) 1329-1336 FEB 2000
377. Veit RR. Vagrants as the expanding fringe of a growing population. *AUK* 117: (1) 242-246 JAN 2000
378. Laurence D. Mueller & Amitabh Joshi. *Stability in Model Populations (MPB-31)*. ISBN 0691007330 Princeton University Press, 2000
379. Jang SRJ, Mitra AK. Equilibrium stability of single-species metapopulations. *B MATH BIOL* 62: (1) 155-161 JAN 2000
380. Ilkka A. Hanski. *Metapopulation Ecology*. ISBN 0198540655 Oxford University Press, 1999
381. Rohani P, Ruxton GD. Dispersal and stability in metapopulations. *IMA J MATH APPL MED* 16: (3) 297-306 SEP 1999
382. Travis JMJ, Murrell DJ, Dytham C. The evolution of density-dependent dispersal. *P ROY SOC LOND B* 266: (1431) 1837-1842 SEP 22 1999
383. Ruxton GD, Rohani P. Fitness-dependent dispersal in metapopulations and its consequences for persistence and synchrony. *J ANIM ECOL* 68: (3) 530-539 MAY 1999
384. Rohani P, Ruxton GD. Dispersal-induced instabilities in host-parasitoid metapopulations. *THEOR POPUL BIOL* 55: (1) 23-36 FEB 1999
385. Bevers M, Flather CH. Numerically exploring habitat fragmentation effects on populations using cell-based coupled map lattices. *THEOR POPUL BIOL* 55: (1) 61-76 FEB 1999
386. Ranta E, Kaitala V, Lundberg P. Population variability in space and time: the dynamics of synchronous population fluctuations. *OIKOS* 83: (2) 376-382 NOV 1998
387. Kendall BE, Fox GA. Spatial structure, environmental heterogeneity, and population dynamics: Analysis of the coupled logistic map. *THEOR POPUL BIOL* 54: (1) 11-37 AUG 1998
388. Ruxton GD, Rohani P. Population floors and the persistence of chaos in ecological models. *THEOR POPUL BIOL* 53: (3) 175-183 JUN 1998
389. Carretero-Gonzalez R. Low dimensional traveling interfaces in coupled map lattices. *INT J BIFURCAT CHAOS* 7: (12) 2745-2754 DEC 1997
390. David. Tilman, Peter M. Kareiva. *Spatial Ecology: The Role of Space in Population Dynamics and Interspecific Interactions*. ISBN 0691016526 Princeton University Press, 1997
391. INTERACTIONS BETWEEN LOCAL DYNAMICS AND DISPERSAL: INSIGHTS FROM SINGLE SPECIES MODELS. AU: AMARASEKARE_P. *THEORETICAL POPULATION BIOLOGY*, 1998, Vol.53, No.1, pp.44-59
392. THE SPATIAL DIMENSION IN POPULATION FLUCTUATIONS. RANTA_E, KAITALA_V, LUNDBERG_P. *SCIENCE*, 1997, Vol.278, No.5343, pp.1621-1623
393. DYNAMICS OF CANADIAN LYNX POPULATIONS IN SPACE AND TIME. RANTA_E, KAITALA_V, LINDSTROM_J. *ECOGRAPHY*, 1997, Vol.20, No.5, pp.454-460
394. EVOLUTION OF DISPERSAL: THE IMPORTANCE OF THE TEMPORAL ORDER OF REPRODUCTION AND DISPERSAL. JOHST, K. & BRANDL, R. *PROCEEDINGS OF THE ROYAL SOCIETY OF LONDON. SER B*, JAN 22 1997 v 264 n 1378, pp 23
395. METAPOPOPULATIONS AND CHAOS: ON THE STABILIZING INFLUENCE OF DISPERSAL. PARADIS, E. *JOURNAL OF THEORETICAL BIOLOGY*. MAY 21 1997 v 186 n 2, pp 261
396. MORTALITY DURING DISPERSAL STABILIZES LOCAL POPULATION FLUCTUATIONS. RUXTON, G., GONZALES-ANDUJAR, J.L. & PERRY, J.N. *THE JOURNAL OF ANIMAL ECOLOGY*. MAR 01 1997 v 66 n 2., pp 289
397. MORTALITY DURING DISPERSAL AND THE STABILITY OF A METAPOPOPULATION. AU: RUXTON, G.D. & GONZALEZ-ANDUJAR, J.L. *JOURNAL OF THEORETICAL BIOLOGY*. JUN 07 1997 v 186 n 3, pp 389
398. METAPOPOPULATIONS AND EQUILIBRIUM STABILITY-THE EFFECTS OF SPATIAL STRUCTURE. ROHANI_P, MAY_RM, HASSELL_MP. *JOURNAL OF THEORETICAL BIOLOGY*, 1996, Vol.181, No.2, pp.97-109

399. SYNCRHONIZATION BETWEEN INDIVIDUALS AND THE DYNAMICS OF LINKED POPULATIONS. RUXTON_GD. JOURNAL OF THEORETICAL BIOLOGY, 1996, Vol.183, No.1, pp.47-54
400. DENSITY-DEPENDENT MIGRATION AND STABILITY IN A SYSTEM OF LINKED POPULATIONS. RUXTON_GD. BULLETIN OF MATHEMATICAL BIOLOGY, 1996, Vol.58, No.4, pp.643-660
401. DISPERSAL AND CHAOS IN SPATIALLY STRUCTURED MODELS - AN INDIVIDUAL-LEVEL APPROACH. RUXTON_GD. JOURNAL OF ANIMAL ECOLOGY, 1996, Vol.65, No.2, pp.161-169
402. CHAOTIC DYNAMICS MAY DETERMINE THE EFFECT OF INTER-PATCH MIGRATION ON METAPOPOPULATION SURVIVAL. RUXTON_GD. JOURNAL OF BIOSCIENCES, 1996, Vol.21, No.1, pp.93-100
403. M Rees, PJ Grubb, D Kelly, Quantifying the Impact of Competition and Spatial Heterogeneity on the Structure and Dynamics of a four species guild of winter annuals *The American Naturalist* 147, 1996
404. RETHINKING COMPLEXITY: MODELLING SPATIOTEMPORAL DYNAMICS IN ECOLOGY. BASCOMPTE_J, SOLE_RV. TRENDS IN ECOLOGY & EVOLUTION, 1995, Vol.10, No.9, p.361-366
405. THE EFFECT OF EMIGRATION AND IMMIGRATION ON THE DYNAMICS OF A DISCRETE-GENERATION POPULATION. RUXTON_GD. JOURNAL OF BIOSCIENCES, 1995, Vol.20, No.3, pp. 397-407.
406. SPATIAL DYNAMICS AND CHAOS. ROHANI_P, RUXTON_GD. TRENDS IN ECOLOGY & EVOLUTION, 1995, Vol.10, No.12, p.491
407. J Bascompte, RV Sole, Appropriate Formulations for Dispersal in Spatially Structured Models: Reply. *The Journal of Animal Ecology*, Vol. 64 2005

27) ROHANI_P & MIRAMONTES_O P ROY SOC LOND B 260 (1995)

408. Nguyen Huu, T., Auger, P., Lett, C., Marva, M. Emergence of global behaviour in a host-parasitoid model with density-dependent dispersal in a chain of patches. *Ecological Complexity*, 5 (1) pp. 9-21, 2008
409. Hoyewey, P. From population dynamics to ecoinformatics: Ecosystems as multilevel information processing systems. *ECOLOGICAL INFORMATICS* 2 (2): 103-111 JUN 1 2007
410. Rhodes, T., Turvey, M.T. Human memory retrieval as Levy foraging (2007) *Physica A: Statistical Mechanics and its Applications*, 385 (1) pp. 255-260.
411. Faustino CL., L. R. da Silva, M. G. E. da Luz, E. P. Raposo and G. M. Viswanathan. Search dynamics at the edge of extinction: Anomalous diffusion as a critical survival state. *Europhysics Letters* 77(3) 30002 (2007)
412. Esa Ranta, Per Lundberg, Veijo Kaitala. *Ecology of Populations*. ISBN 0521854350 Cambridge University Press, 2006
413. Nguyen-Huu T, Lett C, Auger P, et al. Spatial synchrony in host-parasitoid models using aggregation of variables. *MATHEMATICAL BIOSCIENCES* 203 (2): 204-221 OCT 2006
414. Liu QX, Jin Z, Liu MX. Spatial organization and evolution period of the epidemic model using cellular automata. *PHYSICAL REVIEW E* 74 (3): Art. No. 031110 Part 1 SEP 2006
415. Nguyen-Huu T, Lett C, Poggiale JC, et al. Effect of movement frequency on global host-parasitoid spatial dynamics with unstable local dynamics. *ECOLOGICAL MODELLING* 197 (3-4): 290-295 AUG 25 2006
416. Dey S, Dabholkar S, Joshi A. The effect of migration on metapopulation stability is qualitatively unaffected by demographic and spatial heterogeneity. *JOURNAL OF THEORETICAL BIOLOGY* 238 (1): 78-84 JAN 7 2006
417. Lett C, Auger P, Fleury F. Effects of asymmetric dispersal and environmental gradients on the stability of host-parasitoid systems. *OIKOS* 109 (3): 603-613 JUN 2005.
418. Singh BK, Rao JS, Ramaswamy R, et al. The role of heterogeneity on the spatiotemporal dynamics of host-parasite metapopulation. *ECOLOGICAL MODELLING* 180 (2-3): 435-443 DEC 25 2004
419. Briggs CJ, Hoopes MF. Stabilizing effects in spatial parasitoid-host and predator-prey models: a review *THEORETICAL POPULATION BIOLOGY* 65 (3): 299-315 MAY 2004
420. Wilson WG, Morris WF, Bronstein JL. Coexistence of mutualists and exploiters on spatial landscapes *ECOLOGICAL MONOGRAPHS* 73 (3): 397-413 AUG 2003

421. Lett C, Auger P, de la Parra RB Migration frequency and the persistence of host-parasitoid interactions JOURNAL OF THEORETICAL BIOLOGY 221 (4): 639-654 APR 21 2003
422. Parekh N, Sinha S Controllability of spatiotemporal systems using constant pinnings PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS 318 (1-2): 200-212 FEB 1 2003
423. Peter Hudson, Annapaola Rizzoli, Grenfell Bryan. The Ecology of Wildlife Diseases. ISBN 0198506198 Oxford University Press, 2002
424. Fenton A, Fairbairn JP, Norman R, et al. Parasite transmission: reconciling theory and reality JOURNAL OF ANIMAL ECOLOGY 71 (5): 893-905 SEP 2002
425. Kaitala V. Travelling waves in spatial population dynamics. ANNALES ZOOLOGICI FENNICI 39 (2): 161-171 2002
426. Fagan WF. Can vertebrate predation alter aggregation of risk in an insect host-parasitoid system? JOURNAL OF ANIMAL ECOLOGY 71 (3): 487-496 MAY 2002
427. Keeling MJ Using individual-based simulations to test the Levins metapopulation paradigm JOURNAL OF ANIMAL ECOLOGY 71 (2): 270-279 MAR 2002
428. French DR, Travis JMJ. Density-dependent dispersal in host-parasitoid assemblages. OIKOS 95: (1) 125-135 OCT 2001
429. Kaitala V, Alaja S, Ranta E. Temporal self-similarity created by spatial individual-based population dynamics. OIKOS 94: (2) 273-278 AUG 2001
430. Carretero-Gonzalez R, Orstavik S, Stark J. Quasidiagonal approach to the estimation of Lyapunov spectra for spatiotemporal systems from multivariate time series. PHYS REV E 62: (5) 6429-6439 Part A NOV 2000
431. Will Wilson. Simulating Ecological and Evolutionary Systems in C. ISBN 0521772281 Cambridge University Press, 2000
432. Kean JM, Barlow ND. Can host-parasitoid metapopulations explain successful biological control? ECOLOGY 81: (8) 2188-2197 AUG 2000
433. Hassell MP. Host-parasitoid population dynamics. J ANIM ECOL 69: (4) 543-566 JUL 2000
434. Hassell MP. The spatial and temporal dynamics of host-parasitoid interactions. ISBN13: 9780198540892. Oxford University Press 2000.
435. Rohani P, Ruxton GD. Dispersal and stability in metapopulations. IMA J MATH APPL MED 16: (3) 297-306 SEP 1999
436. J. M. McGlade. Advanced Ecological Theory: Principles and Applications. ISBN 0865427348 Blackwell Publishing, 1999
437. Di Paolo, E. A. (1999) On the Evolutionary and Behavioral Dynamics of Social Coordination: Models and Theoretical Aspects. PhD thesis, School of Cognitive and Computing Sciences, University of Sussex.
438. Ruxton GD, Rohani P. Fitness-dependent dispersal in metapopulations and its consequences for persistence and synchrony. J ANIM ECOL 68: (3) 530-539 MAY 1999
439. Carretero-Gonzalez R, Orstavik S, Huke J, et al. Scaling and interleaving of subsystem Lyapunov exponents for spatio-temporal systems. CHAOS 9: (2) 466-482 JUN 1999
440. Rohani P, Ruxton GD. Dispersal-induced instabilities in host-parasitoid metapopulations. THEOR POPUL BIOL 55: (1) 23-36 FEB 1999
441. Kaitala V, Ranta E. Travelling wave dynamics and self-organization in a spatio-temporally structured population. ECOL LETT 1: (3) 186-192 NOV 1998
442. Jack P. Dempster, I. F. G. McLean. Insect Populations in Theory and in Practice. ISBN 0412832607 Springer, 1998
443. Tamás Czárán. Spatiotemporal Models of Population and Community Dynamics. ISBN 0412575507 Springer, 1998
444. Ranta E, Kaitala V, Lundberg P. Population variability in space and time: the dynamics of synchronous population fluctuations. OIKOS 83: (2) 376-382 NOV 1998
445. Kendall BE, Fox GA. Spatial structure, environmental heterogeneity, and population dynamics: Analysis of the coupled logistic map. THEOR POPUL BIOL 54: (1) 11-37 AUG 1998
446. Burrows MT, Hawkins SJ. Modelling patch dynamics on rocky shores using deterministic cellular automata.

MAR ECOL-PROG SER 167: 1-13 1998

447. USING SPATIALLY EXPLICIT MODELS TO CHARACTERIZE FORAGING PERFORMANCE IN HETEROGENEOUS LANDSCAPES. GRUNBAUM_D. AMERICAN NATURALIST, 1998, Vol.151, No.2, pp.97-115
448. SPATIALLY INDUCED SPECIATION PREVENTS EXTINCTION: THE EVOLUTION OF DISPERSAL DISTANCE IN OSCILLATORY PREDATOR-PREY MODELS. SAVILL_NJ, HOGEWEG_P. PROCEEDINGS OF THE ROYAL SOCIETY OF LONDON SERIES B-BIOLOGICAL SCIENCES, 1998, Vol.265, No.1390, pp.25-32
449. Nishimura SI & Takashi Ikegami. Emergence of Collective Strategies in a Prey-Predator Game Model. Artificial Life 3: 243260 (1997)
450. ON THE CRITICAL BEHAVIOUR OF SIMPLE EPIDEMICS. RHODES_CJ, JENSEN_HJ, ANDERSON_RM. PROCEEDINGS OF THE ROYAL SOCIETY OF LONDON SERIES B-BIOLOGICAL SCIENCES, 1997, Vol.264, No.1388, pp.1639-1646
451. TRAVELLING WAVES IN VOLE POPULATION DYNAMICS. RANTA_E, KAITALA_V. NATURE, 1997, Vol.390, No.6659, p.456
452. SELF-REINFORCING SPATIAL PATTERNS ENSLAVE EVOLUTION IN A HOST-PARASITOID SYSTEM. SAVILL_NJ, ROHANI_P, HOGEWEG_P. JOURNAL OF THEORETICAL BIOLOGY, 1997, Vol.188, No.1, pp.11-20
453. SPATIAL SELF-ORGANIZATION IN ECOLOGY: PRETTY PATTERNS OR ROBUST REALITY?. ROHANI, PEJMAN, LEWIS, TIMOTHY J. & RUXTON, GRAEME D. TRENDS IN ECOLOGY & EVOLUTION, FEB 01 1997 v 12 n 2, pp 70
454. A SCALING ANALYSIS OF MEASLES EPIDEMICS IN A SMALL POPULATION. RHODES, C.J. & ANDERSON, R.M. PHILOSOPHICAL TRANSACTIONS OF THE ROYAL SOCIETY, DEC 29 1996 v 351 n 1348, pp. 1679
455. METAPOPOPULATIONS AND CHAOS: ON THE STABILIZING INFLUENCE OF DISPERSAL. PARADIS, E. JOURNAL OF THEORETICAL BIOLOGY. MAY 21 1997 v 186 n 2, pp 261
456. DETECTING CHAOTIC DYNAMICS OF INSECT POPULATIONS FROM LONG-TERM SURVEY DATA. ZHOU, X., PERRY, J.N. & CLARK, S.J. ECOLOGICAL ENTOMOLOGY, MAY 01 1997 v 22 n 2, pp.231
457. HOST-PARASITOID SPATIAL MODELS: THE INTERPLAY OF DEMOGRAPHIC STOCHASTICITY AND DYNAMICS. WILSON, H.B. & HASSELL, M.P. PROCEEDINGS OF THE ROYAL SOCIETY OF LONDON. SER B AUG 22 1997 v 264 n 1385, 1189
458. SYNCRHONIZATION BETWEEN INDIVIDUALS AND THE DYNAMICS OF LINKED POPULATIONS. RUXTON_GD. JOURNAL OF THEORETICAL BIOLOGY, 1996, Vol.183, No.1, pp.47-54
459. SPATIAL SELF-ORGANIZATION AND THE PERSISTENCE OF TRANSIENTS IN A METAPOPOPULATION MODEL. RUXTON_GD. PROCEEDINGS OF THE ROYAL SOCIETY OF LONDON SERIES B, 1996, Vol.263, No.1374, pp.1153-1158
460. METAPOPOPULATIONS AND EQUILIBRIUM STABILITY-THE EFFECTS OF SPATIAL STRUCTURE. ROHANI_P, MAY_RM, HASSELL_MP. JOURNAL OF THEORETICAL BIOLOGY, 1996, Vol.181, No.2, pp.97-109
461. HOST-PATHOGEN SYSTEMS IN A SPATIALLY PATCHY ENVIRONMENT. WHITE_A, BEGON_M, BOWERS_RG. PROCEEDINGS OF THE ROYAL SOCIETY OF LONDON SERIES B, 1996, Vol.263, No.1368, pp.325-332
462. THE CONSEQUENCES OF STOCHASTICITY FOR SELF-ORGANIZED SPATIAL DYNAMICS, PERSISTENCE AND COEXISTENCE IN SPATIALLY EXTENDED HOST-PARASITOID COMMUNITIES. RUXTON_GD, ROHANI_P. PROCEEDINGS OF THE ROYAL SOCIETY OF LONDON SERIES B, 1996, Vol.263, No.1370, pp.625-631

28) SOLE_RV, MIRAMONTES_O PHYSICA D 80 (1995)

463. Szabo, P; Nagy, M; Vicsek, T. Transitions in a self-propelled-particles model with coupling of accelerations. PHYSICAL REVIEW E 79 (2): Art. No. 021908 Part 1 FEB 2009

464. *Miramontes O, De Souza O. Individual basis for collective behaviour in the termite, *Cornitermes cumulans*. *Journal of Insect Science* 8:22, 2008
465. Faustino CL., L. R. da Silva, M. G. E. da Luz, E. P. Raposo and G. M. Viswanathan. Search dynamics at the edge of extinction: Anomalous diffusion as a critical survival state. *Europhysics Letters* 77 (3) 30002 (2007)
466. Katare S, West DH. Optimal complex networks spontaneously emerge when information transfer is maximized at least expense: A design perspective . *COMPLEXITY* 11 (4): 26-35 MAR-APR 2006
467. *DeSouza O, Miramontes O. Non-asymptotic trends in the social facilitated survival of termites (Isoptera). *SOCIOBIOLOGY* 44 (3): 527-538 2004
468. Ignacio Rodríguez-Iturbe, Amilcare Porporato. *Ecohydrology of Water-Controlled Ecosystems: Soil Moisture and Plant Dynamics*. ISBN 0521819431 Cambridge University Press, 2004
469. Skufca, JD, Bollt E, COMMUNICATION AND SYNCHRONIZATION IN DISCONNECTED NETWORKS WITH DYNAMIC TOPOLOGY: MOVING NEIGHBORHOOD NETWORKS. *MATHEMATICAL BIOSCIENCES AND ENGINEERING* Volume 1, Number 2, July 2004
470. Fernandez-Illescas CP, Rodríguez-Iturbe I. Hydrologically driven hierarchical competition-colonization models: The impact of interannual climate fluctuations. *ECOL MONOGR* 73 (2): 207-222 MAY 2003
471. O'Toole DV, Robinson PA, Myerscough MR. Self-organized criticality in ant brood tending. *J THEOR BIOL* 221 (1): 1-14 MAR 7 2003
472. Ferrer i Cancho R, R. V. Sole, *Optimization in complex networks*, Lecture Notes in Physics, Springer Berlin / Heidelberg 2003.
473. Cole BJ. Evolution of self-organized systems. *BIOL BULL* 202 (3): 256-261 JUN 2002
474. Drasko Tomic, Spectral performance evaluation of parallel processing systems, *Chaos, Solitons, & Fractals* Volume 13, Issue 1, Pages 25-38, January 2002
475. *Miramontes O, Sole RV, Goodwin BC. Neural networks as sources of chaotic motor activity in ants and how complexity develops at the social scale. *INT J BIFURCAT CHAOS* 11: (6) 1655-1664 JUN 2001.
476. Ricard V. Solé, Susanna C. Manrubia. *Orden y caos en sistemas complejos*. ISBN 8483014319 Edicions UPC 2001
477. Ignacio Rodríguez-Iturbe, Andrea Rinaldo. *Fractal River Basins: Chance and Self-Organization*. ISBN 0521004055 Cambridge University Press 2001
478. Delgado J, Sole RV. Task fulfilment and temporal patterns of activity in artificial ant colonies. *LECT NOTES ARTIF INT* 1674: 606-615 1999
479. RV Sole, B Luque, S Kauffman, *Adaptation, Noise, and Self-Organizing Systems*, abstract. Arxiv preprint adap-org/9907011, 1999
480. Nepomnyaschikh VA. The variability of response to visual stimulus in goldfish, *Carassius auratus* L. (Cyprinidae pisces). *ZH OBSHCH BIOL* 61: (3) 315-324 MAY-JUN 2000
481. Sole RV, Valverde S. Information transfer and phase transitions in a model of internet traffic. *PHYSICA A* 289: (3-4) 595-605 JAN 15 2001
482. Delgado J, Sole RV. Self-synchronization and task fulfilment in ant colonies. *J THEOR BIOL* 205: (3) 433-441 AUG 7 2000
483. Sole RV, Goodwin BC. *Signs of life: how complexity pervades biology*. ISBN-10: 0465019285 Basic Books, New York. 2000.
484. Claire Detrain, Jean Louis Deneubourg, Jacques M. Pasteels. *Information Processing in Social Insects*. ISBN 3764357924 Birkhäuser, 1999
485. Wallace R, Wallace RG. Organisms, organizations and interactions: an information theory approach to biocultural evolution. *BIOSYSTEMS* 51: (2) 101-119 AUG 1999
486. MEAN-FIELD THEORY OF FLUID NEURAL NETWORKS. DELGADO_J, SOLE_RV. *PHYSICAL REVIEW E*, 1998, Vol.57, No.2 PtB, pp.2204-2211
487. Martin-Araguz A, Ruiz-Alaiz A, de la Rocha MLG, et al. Kinematic determinist chaos of fluids and fractal geometry in the carotid system. *REV NEUROLOGIA* 25: (148) 2021-2031 DEC 1997
488. NOISE INDUCED TRANSITIONS IN FLUID NEURAL NETWORKS. DELGADO_J, SOLE_RV. *PHYSICS LETTERS*. A MAY 12 1997 v 229, PP. 183

489. COLLECTIVE-INDUCED COMPUTATION. DELGADO_J, SOLE_RV. PHYSICAL REVIEW. E. STATISTICAL PHYSICS, PLASM. MAR 01 1997 v 55 n 3A, pp 2338
490. FLEXIBILITY AT THE EDGE OF CHAOS: A CLEAR EXAMPLE FROM FORAGING IN ANTS. BONABEAU_E. ACTA BIOTHEORICA, 1997, Vol. 45, No. 1, pp. 29-50
491. COMPLEJIDAD EN LA FRONTERA DEL CAOS. SOLE_RV, BASCOMPTE_J, DELGADO_J, LUQUE_B & MANRUBIA_SC. INVESTIGACION Y CIENCIA (VERSION ESPAÑOLA SCIENTIFIC AMERICAN), No.236, 1996.
492. Sole RV, Delgado J, Universal computation in fluid neural networks. Complexity 2(2) 1996
493. THERMODYNAMICS OF FRACTAL NETWORKS. RINALDO_A, MARITAN_A, COLAIORI_F, FLAMMINI_A, RIGON_R. PHYSICAL REVIEW LETTERS, 1996, Vol.76, No.18, pp.3364-3367
494. THE ORGANIZATION OF WORK IN SOCIAL INSECT COLONIES. GORDON_DM. NATURE, 1996, Vol.380, No.6570, pp.121-124.
495. MARGINALLY STABLE SWARMS ARE FLEXIBLE AND EFFICIENT. BONABEAU_E. JOURNAL DE PHYSIQUE I, 1996, Vol.6, No.2, pp.309-324
496. PHASE TRANSITIONS AND COMPLEX SYSTEMS. SOLE_RV, MANRUBIA_SC, LUQUE_B, DELGADO_J & BASCOMPTE_J. COMPLEXITY, 1996, Vol.1, No.4, pp. 40-44
497. Pattie Maes. From Animals to Animats 4: Proceedings of the Fourth International Conference. ISBN 0262631784 MIT Press, 1996
498. Wan Ho, M. Bioenergetics and the coherence of organisms. Neuronetwork World 5: 733, 1995
499. *ORDER-DISORDER TRANSITIONS IN THE BEHAVIOR OF ANT SOCIETIES. MIRAMONTES_O. COMPLEXITY, 1995, Vol.1, No.3, pp.56-60

29) ROHANI_P & MIRAMONTES_O & HASSELL_MP P ROY SOC LOND B 258 (1994)

500. Abbott, K.C., Dwyer, G. Using mechanistic models to understand synchrony in forest insect populations: The North American gypsy moth as a case study. American Naturalist, 172 (5) pp. 613-624 (2008)
501. F Zhang, Z Li, X Zhang, M Gao. Influence of consumer mutual interference on the stabilization of a three-level trophic system. Population Ecology 49(2): 155-163 April 2007
502. Wearing HJ, Sait SM, Cameron TC, et al. Stage-structured competition and the cyclic dynamics of host-parasitoid populations. JOURNAL OF ANIMAL ECOLOGY 73 (4): 706-722 JUL 2004
503. Briggs CJ, Hoopes MF. Stabilizing effects in spatial parasitoid-host and predator-prey models: a review THEORETICAL POPULATION BIOLOGY 65 (3): 299-315 MAY 2004
504. Michael Begon, Colin, R. Townsend, John L. Harper. Ecology: individuals, populations and communities. ISBN 0632038012 Blackwell Publishing, 2003
505. Rohani P, Wearing HJ, Cameron T, et al. Natural enemy specialization and the period of population cycles. ECOL LETT 6 (5): 381-384 MAY 2003
506. Xu CL, Li ZZ. Influence of intraspecific density dependence on a three-species food chain with and without external stochastic disturbances. ECOL MODEL 155 (1): 71-83 SEP 15 2002
507. Kaitala V, Ylikarjula J, Heino M. Non-unique population dynamics: basic patterns. ECOL MODEL 135 (2-3) 127-134 DEC 5 2000
508. Hassell MP. The spatial and temporal dynamics of host-parasitoid interactions. ISBN13: 9780198540892. Oxford University Press 2000.
509. Hassell MP. Host-parasitoid population dynamics. J ANIM ECOL 69: (4) 543-566 JUL 2000
510. Sun P, Yang XB. Dynamic behaviors of the Ricker population model under a set of randomized perturbations. MATH BIOSCI 164: (2) 147-159 APR 2000
511. Howard Vernon Cornell & Bradford A. Hawkins. Theoretical Approaches to Biological Control. ISBN 0521572835 Cambridge University Press, 1999
512. Ives AR, Schooler SS, Jagar VJ, et al. Variability and parasitoid foraging efficiency: A case study of pea aphids

- and *Aphidius ervi* AM NAT 154: (6) 652-673 DEC 1999
513. Sun P, Yang XB. Deterministic property changes in population models under random error perturbations. *ECOL MODEL* 119: (2-3) 239-247 JUL 15 1999
514. Rohani P, Ruxton GD. Dispersal-induced instabilities in host-parasitoid metapopulations. *THEOR POPUL BIOL* 55: (1) 23-36 FEB 1999
515. Ruxton GD, Rohani P. Population floors and the persistence of chaos in ecological models. *THEOR POPUL BIOL* 53: (3) 175-183 JUN 1998
516. Ives AR, Jansen VAA. Complex dynamics in stochastic tritrophic models. *ECOLOGY* 79: (3) 1039-1052 APR 1998
517. Zhou X, Perry JN, Woiwod IP, et al. Temperature change and complex dynamics. *OECOLOGIA* 112: (4) 543-550 DEC 1997
518. Dennis B, Desharnais RA, Cushing JM, et al. Transitions in population dynamics: Equilibria to periodic cycles to aperiodic cycles. *JOURNAL OF ANIMAL ECOLOGY* 66 (5): 704-729 SEP 1997
519. Zhou X, Perry JN, Woiwod IP, et al. Detecting chaotic dynamics of insect populations from long-term survey data. *ECOLOGICAL ENTOMOLOGY* 22 (2): 231-241 MAY 1997
520. Ranta E, Kaitala V, Lindstrom J, et al. The Moran effect and synchrony in population dynamics *OIKOS* 78 (1): 136-142 FEB 1997
521. *Rohani P, Miramontes O Chaos or quasiperiodicity in laboratory insect populations? *JOURNAL OF ANIMAL ECOLOGY* 65 (6): 847-849 NOV 1996
522. Kaitala V, Ranta E, Lindstrom J External perturbations and cyclic dynamics in stable populations *ANNALES ZOOLOGICI FENNICI* 33 (2): 275-282 1996
523. Kaitala V, Ranta E Red/blue chaotic power spectra *NATURE* 381 (6579): 198-199 MAY 16 1996
524. *HOST-PARASITOID METAPOPOPULATIONS - THE CONSEQUENCES OF PARASITOID AGGREGATION ON SPATIAL DYNAMICS AND SEARCHING EFFICIENCY. ROHANI_P, MIRAMONTES_O. *PROCEEDINGS OF THE ROYAL SOCIETY OF LONDON SERIES B*, 1995, Vol.260, No.1359, pp.335-342
525. *IMMIGRATION AND THE PERSISTENCE OF CHAOS IN POPULATION-MODELS. ROHANI_P, MIRAMONTES_O. *JOURNAL OF THEORETICAL BIOLOGY*, 1995, Vol.175, No.2, pp.203-206

30) MIRAMONTES_O SOLE_RV & GOODWIN_BC P 2 EUR C ART LIF (1993)

526. *Miramontes, O. Orden y caos en la organización social de las hormigas. *Ciencias* 59:32-45 (2000)
527. *Miramontes O, DeSouza O The nonlinear dynamics of survival and social facilitation in termites *JOURNAL OF THEORETICAL BIOLOGY* 181 (4): 373-380 AUG 21 1996
528. Maja J Mataric, Interaction and Intelligent Behavior, PhD Thesis MASSACHUSETTS INSTITUTE OF TECHNOLOGY 1994

31) SOLE_RV, MIRAMONTES_O & GOODWIN_BC SPRINGER SERIES SYNERGETICS (1993)

529. *Collective Beings*. Publisher Springer US ISBN 978-0-387-35541-2, 2006
530. Xiaoshan Pana, Charles S. Hanb, Ken Dauberc and Kincho H. Lawd. Human and social behavior in computational modeling and analysis of egress. *Automation in Construction* 5, Issue 4, Pages 448-461 July 2006
531. Kincho Law, Kenneth Dauber, Xiaoshan Pan, Computational Modeling of Nonadaptive Crowd Behaviors for Egress Analysis: 2004-2005 CIFE Seed Project Report. CIFE Technical Report #162, STANFORD UNIVERSITY OCTOBER 2005
532. Ricard V. Solé, Susanna C. Manrubia. Orden y caos en sistemas complejos. ISBN 84830143 19 Edicions UPC 2001

533. Sole RV, Goodwin BC. Signs of life: how complexity pervades biology. ISBN-10: 0465019285 Basic Books, New York. 2000.
534. Andrew. Ilachinski. Cellular Automata: A Discrete Universe. ISBN 981238183X World Scientific, 2001
535. Andrew I. Adamatzky. Computing in Nonlinear Media and Automata Collectives. ISBN 075030751X CRC Press, 2001
536. Delgado J, Sole RV. Self-synchronization and task fulfilment in ant colonies. J THEOR BIOL 205: (3) 433-441 AUG 7 2000
537. *Miramontes, O. Orden y caos en la organización social de las hormigas. Ciencias 59:32-45 (2000)
538. Ilachinski, A. Land warfare and complexity. Center for Naval Studies CIM 461, July 1996
539. *SOLE_RV, MIRAMONTES_O. INFORMATION AT THE EDGE OF CHAOS IN FLUID NEURAL NETWORKS. PHYSICA D, 1995, Vol.80, No.1-2, pp.171-180
540. HARA_H, OBATA_T. GENERALIZATION OF BROWNIAN-MOTION OF AGENT DESCRIBED BY GENERALIZED RANDOM-WALKS.. JOURNAL OF THE KOREAN PHYSICAL SOCIETY, 1995, Vol.28, pp.S 348-S 353
541. *MIRAMONTES_O. ORDER-DISORDER TRANSITIONS IN THE BEHAVIOR OF ANT SOCIETIES. COMPLEXITY, 1995, Vol.1, No.3, pp.56-60

32) SOLE_RV, MIRAMONTES_O & GOODWIN_BC J. THEOR. BIOL. 161 (1993)

542. LI, Y.-y., WEN, Q.-y., LI, L.-x. Modified chaotic ant swarm to function optimization (2009) Journal of China Universities of Posts and Telecommunications, 16 (1) pp. 58-63.
543. Li, LX; Peng, HP; Yang, YX. Chaotic Ant Swarm Designed T-S Fuzzy System for Adaptive Control of Dynamical Systems. NEUROQUANTOLOGY 6 (4): 379-386 2008
544. Huang, X., Yang, Y., Niu, X. Towards improving ant-based clustering-an chaotic ant clustering algorithm (2007) Proceedings of the IEEE International Conference on Micro Electro Mechanical Systems (MEMS), art. no. 4425524, pp. 421-424.
545. *Miramontes O, De Souza O. Individual basis for collective behaviour in the termite, *Cornitermes cumulans*. Journal of Insect Science 8:22, 2008
546. Li-Xiang, L; Hai-Peng, P; Yi-Xian, Y. T-S fuzzy system design by chaotic ant swarm algorithm. ACTA PHYSICA SINICA 57 (2): 703-708 FEB 2008
547. Zhu, H., Jia, Z., Feng, H., Li, X. Chaotic ant swarm. Proceedings - Third International Conference on Natural Computation, ICNC 2007, 3, art. no. 4304757, pp. 446-450 2007
548. Huang, Xiaofang Yang, Yixian Niu, Xinxin. Towards Improving Ant-Based Clustering - An Chaotic Ant Clustering Algorithm. IEEE Xplore-Computational Intelligence and Security Workshops, 2007. CISW 2007: 421-424. ISBN: 978-0-7695-3073-4421-424 (2007)
549. Janine Bolliger, Helene H. Wagner and Monica G. Turner. Identifying and Quantifying Landscape Patterns in Space and Time. Springer Netherlands ISBN 978-1-4020-4434-2, 2007
550. MacIntosh R, MacLean D, Burns H. Health in organization: Towards a process-based view. JOURNAL OF MANAGEMENT STUDIES 44 (2): 206-221 MAR 2007
551. C Detrain, JL Deneubourg. Self-organized structures in a superorganism: do ants "behave" like molecules? Physics of Life Reviews 3,(3) September 2006: 162-187 2006
552. Li Lixiang, Peng Haipeng, Wang Xiangdong, Yang Yixian, PID parameter tuning based on chaotic ant swarm. CHINESE JOURNAL OF SCIENTIFIC INSTRUMENT 27 No.9 P.1104 2006.
553. Li LX, Peng HP, Yang YX, et al. Parameter estimation for Lorenz chaotic systems based on chaotic ant swarm algorithm. ACTA PHYSICA SINICA 56 (1): 51-55 JAN 2007
554. Li, LX; Yang, YX; Peng, HP; Wang, XD Parameters identification of chaotic systems via chaotic ant swarm. CHAOS SOLITONS & FRACTALS 28 (5): 1204-1211 JUN 2006
555. Li LX, Yang YX, Peng HP, et al. An optimization method inspired by "chaotic" ant behavior. INTERNATIONAL

556. C. Noda, J. Fernández. C. Pérez-Penichet, E. Atshuler. Activity in ant colonies. *Rev. Cub. Física* vol.23 No. 2 (2006) p.114-117
557. Noda C, Fernandez J, Perez-Penichet C, et al. Measuring activity in ant colonies. *REVIEW OF SCIENTIFIC INSTRUMENTS* 77 (12): Art. No. 126102 DEC 2006
558. Garcia-Azkonobieta T, Evolución, desarrollo y autorganización. un estudio sobre los principios filosóficos de la evo-devo. PhD Thesis Universidad del Pais Vasco, 2005.
559. Altshuler, E; Ramos, O; Nunez, Y; Fernandez, J; Batista-Leyva, AJ; Noda, Symmetry breaking in escaping ants *AMERICAN NATURALIST*, 166 (6): 643-649 DEC 2005
560. Elena, SF; Sanjuan, RNA viruses as complex adaptive systems *BIOSYSTEMS*, 81 (1): 31-41 JUL 2005
561. Bartumeus F. Lévy Processes in Animal Movement and Dispersal. PhD Thesis, Universidad de Barcelona, 2005.
562. Andreas Deutsch, Sabine Dormann. Cellular Automaton Modeling of Biological Pattern Formation: Characterization, Applications. ISBN 0817642811 Birkhäuser 2004
563. O'Toole DV, Robinson PA, Myerscough MR Self-organized criticality in ant brood tending *JOURNAL OF THEORETICAL BIOLOGY* 221 (1): 1-14 MAR 7 2003
564. Cole BJ. Evolution of self-organized systems. *BIOL BULL* 202 (3): 256-261 JUN 2002
565. Heck PS, Ghosh S. The design and role of synthetic creative traits in artificial ant colonies. *J INTELL ROBOT SYST* 33 (4): 343-370 APR 2002
566. Theraulaz G, Bonabeau E, Sauwens C, et al. Model of droplet dynamics in the argentine ant *Linepithema humile* (Mayr). *B MATH BIOL* 63 (6): 1079-1093 NOV 2001
567. Ricard V. Solé, Susanna C. Manrubia. Orden y caos en sistemas complejos. ISBN 8483014319 Edicions UPC 2001
568. Brandts WAM, Longtin A, Trainor LEH. Two-category model of task allocation with application to ant societies. *B MATH BIOL* 63 (6): 1125-1161 NOV 2001
569. Sumpter DJT, Blanchard GB, Broomhead DS. Ants and agents: a process algebra approach to modelling ant colony behaviour. *B MATH BIOL* 63: (5) 951-980 SEP 2001.
570. *Miramontes O, Sole RV, Goodwin BC. Neural networks as sources of chaotic motor activity in ants and how complexity develops at the social scale. *INT J BIFURCAT CHAOS* 11: (6) 1655-1664 JUN 2001.
571. Di Paolo EA. Rhythmic and non-rhythmic attractors in asynchronous random Boolean networks. *BIOSYSTEMS* 59: (3) 185-195 MAR 2001
572. Brian C. Goodwin. How the Leopard Changed Its Spots: The Evolution of Complexity. ISBN 0691088098, Princeton University Press 2001.
573. Sole RV, Goodwin BC. Signs of life: how complexity pervades biology. ISBN-10: 0465019285 Basic Books, New York. 2000
574. Nemes L, Chua LO. The spatiotemporal prisoner's dilemma. *INT J BIFURCAT CHAOS* 10: (7) 1623-1644 JUL 2000
575. Mark A. Bedau. Artificial Life VII: Proceedings of the Seventh International Conference on Artificial Life. ISBN 026252290X MIT Press, 2000
576. Sven Erik Jørgensen & Felix Müller. Handbook of Ecosystem Theories and Management. ISBN 1566702534 CRC Press, 2000
577. *Miramontes, O. Orden y caos en la organización social de las hormigas. *Ciencias* 59:32-45 (2000)
578. Delgado J, Sole RV. Self-synchronization and task fulfilment in ant colonies. *J THEOR BIOL* 205: (3) 433-441 AUG 7 2000
579. Cox MD, Blanchard GB. Gaseous templates in ant nests. *J THEOR BIOL* 204: (2) 223-238 MAY 21 2000
580. Di Paolo, E. A. . Searching for rhythms in asynchronous random boolean networks. In Bedau, M. A.; McCaskill, J. S.; Packard, N. H.; and Rasmussen, S., eds., *Alife VII: Proceedings of the Seventh International Conference*. Cambridge, Mass.: MIT Press. 2000
581. Delgado J, Sole RV. Task fulfilment and temporal patterns of activity in artificial ant colonies. *LECT NOTES ARTIF INT* 1674: 606-615 1999

582. Wallace R, Wallace RG. Organisms, organizations and interactions: an information theory approach to biocultural evolution. BIOSYSTEMS 51: (2) 101-119 AUG 1999
583. Claire Detrain, Jean Louis Deneubourg, Jacques M. Pasteels. Information Processing in Social Insects. ISBN 3764357924 Birkhäuser, 1999
584. Boi S, Couzin ID, Del Buono N, et al. Coupled oscillators and activity waves in ant colonies. P ROY SOC LOND B BIO 266: (1417) 371-378 FEB 22 1999
585. Provenza FD, Villalba JJ, Cheney CD, et al. Self-organization of foraging behaviour: From simplicity to complexity without goals. NUTR RES REV 11: (2) 199-222 DEC 1998
586. KITABAYASHI_N, GUNJI_YP. MAKING DECISION IN ESTIMATING PHEROMONE BY AN ANT ITSELF, EXPRESSED AS A CAUSE-EFFECT LOOP. RIVISTA DI BIOLOGIA-BIOLOGY FORUM, 1997, Vol.90, No.3, pp.393-421
587. DELGADO_J, SOLE_RV. MEAN-FIELD THEORY OF FLUID NEURAL NETWORKS. PHYSICAL REVIEW E, 1998, Vol.57, No.2 PtB, pp.2204-2211
588. DELGADO_J, SOLE_RV. NOISE INDUCED TRANSITIONS IN FLUID NEURAL NETWORKS. PHYSICS LETTERS. A MAY 12 1997 v 229, PP. 183
589. *MIRAMONTES_O, DESOUSA_O. THE NONLINEAR DYNAMICS OF SURVIVAL AND SOCIAL FACILITATION IN TERMITES. JOURNAL OF THEORETICAL BIOLOGY, 1996, Vol.181, No.4, pp.373-380
590. FONCK_C, JAFFE_K. ON THE ENERGETIC COST OF SOCIALITY. PHYSIOLOGY & BEHAVIOR, 1996, Vol.59, No.4-5, pp.713-719
591. Sole RV, Delgado J, Universal computation in fluid neural networks. Complexity 2(2) 1996
592. NEMES_L, ROSKA_T. A CNN MODEL OF OSCILLATION AND CHAOS IN ANT COLONIES – A CASE-STUDY. IEEE TRANSACTIONS ON CIRCUITS AND SYSTEMS I-FUNDAMENTAL THEORY AND APPLICATIONS, 1995, Vol.42, No.10, pp.741-745
593. RINALDO_A, MARITAN_A, COLAIORI_F, FLAMMINI_A, RIGON_R. THERMODYNAMICS OF FRACTAL NETWORKS. PHYSICAL REVIEW LETTERS, 1996, Vol.76, No.18, pp.3364-3367
594. COLE_BJ, CHESHIRE_D. MOBILE CELLULAR AUTOMATA MODELS OF ANT BEHAVIOR –MOVEMENT ACTIVITY OF LEPTOTHORAX ALLARDYCEI. AMERICAN NATURALIST, 1996, Vol.148, No.1, pp.1-15
595. *MIRAMONTES_O. ORDER-DISORDER TRANSITIONS IN THE BEHAVIOR OF ANT SOCIETIES. COMPLEXITY, 1995, Vol.1, No.3, pp.56-60
596. *SOLE_RV, MIRAMONTES_O. INFORMATION AT THE EDGE OF CHAOS IN FLUID NEURAL NETWORKS. PHYSICA D, 1995, Vol.80, No.1-2, pp.171-180
597. JAFFE_K, FONCK_C. ENERGETICS OF SOCIAL PHENOMENA - PHYSICS APPLIED TO EVOLUTIONARY BIOLOGY. NUOVO CIMENTO DELLA SOCIETA ITALIANA DI FISICA D-CONDENSED. MATTER ATOMIC MOLECULAR AND CHEMICAL PHYSICS FLUIDS PLASMAS BIOPHYSICS, 1994, Vol.16, No.6, pp.543-553.
598. MM Millonas. Swarms, phase transitions, and collective intelligence, Artificial Life III, 1994
599. Leslie A. Real. Behavioral Mechanisms in Evolutionary Ecology. ISBN 0226705951 University of Chicago Press, 1994

33) MIRAMONTES_O, SOLE_RV & GOODWIN_BC PHYSICA D 63 (1993)

600. Couzin, ID. Collective cognition in animal groups. TRENDS IN COGNITIVE SCIENCES 13 (1): 36-43 JAN 2009
601. *Miramontes O, De Souza O. Individual basis for collective behaviour in the termite, *Cornitermes cumulans*. Journal of Insect Science 8:22, 2008
602. *DeSouza O, Miramontes O. Non-asymptotic trends in the social facilitated survival of termites (Isoptera). SOCIOBIOLOGY 44 (3): 527-538 2004 World Scientific, 2004
603. Pie MR, Rosengaus RB, Traniello JFA. Nest architecture, activity pattern, worker density and the dynamics of disease transmission in social insects. J THEOR BIOL 226 (1): 45-51 JAN 7 2004

604. Andrew Ilachinski. Artificial War: Multiagent-Based Simulation of Combat. ISBN 9812388346
605. Ramírez-Ávila GM. Synchronization Phenomena in Light-Controlled Oscillators. PhD Thesis, Université Libre de Bruxelles 2004
606. Mariano López de Haro (ed), Las matemáticas y su entorno. ISBN 968232517X, Siglo XXI, 2004
607. Wang DM, Sun X, Wu ZQ. Growth behavior of helical cellular automata. PHYS REV E 68 (4): Art. No. 047104 Part 2 OCT 2003
608. Sachs T. Collective specification of cellular development. BIOESSAYS 25 (9): 897-903 SEP 2003
609. Shibata T, Kaneko K. Coupled map gas: structure formation and dynamics of interacting motile elements with internal dynamics. PHYSICA D 181 (3-4): 197-214 JUL 15 2003
610. O'Toole DV, Robinson PA, Myerscough MR. Self-organized criticality in ant brood tending. J THEOR BIOL 221 (1): 1-14 MAR 7 2003
611. Adamatzky A ISAAC: Irreducible semi-autonomous adaptive combat. KYBERNETES 31 (3-4): 632-638 2002
612. Cole BJ. Evolution of self-organized systems BIOL BULL 202 (3): 256-261 JUN 2002
613. Ricard V. Solé, Susanna C. Manrubia. Orden y caos en sistemas complejos. ISBN 8483014319 Edicions UPC 2001
614. Helbing D. Traffic and related self-driven many-particle systems. REV MOD PHYS 73: (4) 1067-1141. OCT 2001
615. Andrew Ilachinski. Cellular Automata: A Discrete Universe. ISBN 981238183X World Scientific, 2001
616. *Miramontes O, Sole RV, Goodwin BC. Neural networks as sources of chaotic motor activity in ants and how complexity develops at the social scale. INT J BIFURCAT CHAOS 11: (6) 1655-1664 JUN 2001
617. Brian C. Goodwin. How the Leopard Changed Its Spots: The Evolution of Complexity. ISBN 0691088098, Princeton University Press 2001.
618. 242. *Miramontes, O. Orden y caos en la organización social de las hormigas. Ciencias 59:32-45 (2000)
619. Boi S, Couzin ID, Del Buono N, et al. Coupled oscillators and activity waves in ant colonies. P ROY SOC LOND B BIO 266: (1417) 371-378 FEB 22 1999
620. Claire Detrain, Jean Louis Deneubourg, Jacques M. Pasteels. Information Processing in Social Insects. ISBN 3764357924 Birkhäuser, 1999
621. Dietrich Stauffer. Annual Reviews of Computational Physics VI. ISBN 9810235631 World Scientific 1999
622. Bonabeau E, Theraulaz G, Deneubourg JL. The synchronization of recruitment-based activities in ants. BIOSYSTEMS 45: (3) 195-211 MAR 1998
623. KITABAYASHI_N, GUNJI_Y.P. MAKING DECISION IN ESTIMATING PHEROMONE BY AN ANT ITSELF, EXPRESSED AS A CAUSE-EFFECT LOOP. RIVISTA DI BIOLOGIA-BIOLOGY FORUM, 1997, Vol.90, No.3, pp.393-421
624. DELGADO_J, SOLE_RV. NOISE INDUCED TRANSITIONS IN FLUID NEURAL NETWORKS. PHYSICS LETTERS. A MAY 12 1997 v 229, PP. 183
625. BONABEAU_E. FLEXIBILITY AT THE EDGE OF CHAOS: A CLEAR EXAMPLE FROM FORAGING IN ANTS. ACTA BIOTHEORICA, 1997, Vol. 45, No. 1, pp. 29-50
626. *MIRAMONTES_O, DESOUSA_O. THE NONLINEAR DYNAMICS OF SURVIVAL AND SOCIAL FACILITATION IN TERMITES. JOURNAL OF THEORETICAL BIOLOGY, 1996, Vol.181, No.4, pp.373-380
627. COLE_BJ, HOEG_L. THE INFLUENCE OF BROOD TYPE ON ACTIVITY CYCLES IN LEPTOTHORAX-ALLARDYCEI (HYMENOPTERA, FARUICIDAE). JOURNAL OF INSECT BEHAVIOR, 1996, Vol.9, No.4, pp.539-547
628. COLE_BJ, CHESHIRE_D. MOBILE CELLULAR AUTOMATA MODELS OF ANT BEHAVIOR –MOVEMENT ACTIVITY OF LEPTOTHORAX-ALLARDYCEI. AMERICAN NATURALIST, 1996, Vol.148, No.1, pp.1-15
629. Gerry Webster. Form and Transformation: Generative and Relational Principles in Biology. ISBN 052135451X Cambridge University Press, 1996
630. RINALDO_A, MARITAN_A, COLAIORI_F, FLAMMINI_A, RIGON_R. THERMODYNAMICS OF FRACTAL NETWORKS. PHYSICAL REVIEW LETTERS, 1996, Vol.76, No.18, pp.3364-3367
631. FONCK_C, JAFFE_K. ON THE ENERGETIC COST OF SOCIALITY. PHYSIOLOGY & BEHAVIOR, 1996,

Vol.59, No.4-5, pp.713-719

632. BONABEAU_E. MARGINALLY STABLE SWARMS ARE FLEXIBLE AND EFFICIENT. JOURNAL DE PHYSIQUE I, 1996, Vol.6, No.2, pp.309-324
633. Ilachinski, A. Land warfare and complexity. Center for Naval Studies CIM 461, July 1996
634. JAFFE_K, FONCK_C. ENERGETICS OF SOCIAL PHENOMENA - PHYSICS APPLIED TO EVOLUTIONARY BIOLOGY. NUOVO CIMENTO DELLA SOCIETA ITALIANA DI FISICA D-CONDENSED MATTER ATOMIC MOLECULAR AND CHEMICAL PHYSICS FLUIDS PLASMAS BIOPHYSICS, 1994, Vol.16, No.6, pp.543-553
635. *SOLE_RV, MIRAMONTES_O. INFORMATION AT THE EDGE OF CHAOS IN FLUID NEURAL NETWORKS. PHYSICA D, 1995, Vol.80, No.1-2, pp.171-180
636. *MIRAMONTES_O. ORDER-DISORDER TRANSITIONS IN THE BEHAVIOR OF ANT SOCIETIES. COMPLEXITY, 1995, Vol.1, No.3, pp.56-60
637. Leslie A. Real. Behavioral Mechanisms in Evolutionary Ecology. ISBN 0226705951 University of Chicago Press, 1994
638. Jordi Bascompte, Jordi Flos. Ordre I Caos en Ecologia. ISBN 84475 11 049, Edicions Universitat Barcelona 1995.

34) MIRAMONTES_O THESIS OPEN U UK (1992)

639. *Miramontes O, Sole RV, Goodwin BC. Neural networks as sources of chaotic motor activity in ants and how complexity develops at the social scale. INTERNATIONAL JOURNAL OF BIFURCATION AND CHAOS 11 (6): 1655-1664 JUN 2001
640. Delgado J, Sole RV. Task fulfilment and temporal patterns of activity in artificial ant colonies LECTURE NOTES IN ARTIFICIAL INTELLIGENCE 1674: 606-615 1999
641. Delgado J, Sole RV. Self-synchronization and task fulfilment in ant colonies. JOURNAL OF THEORETICAL BIOLOGY 205 (3): 433-441 AUG 7 2000

35) MIRAMONTES_O BULL OF ATOM. SCIENT. (1991)

642. Steven M. Hoffman, John Byrne, Governing the Atom: The Politics of Risk, ISBN-10: 1560008342 Transaction Publishers NJ USA 1996
643. STEVIS_D, MUMME_SP. LATIN AMERICAN RESEARCH REVIEW, 1991, Vol.26, pp.82.

36) NADAL A & MIRAMONTES_O LAG VER COLMEX (1989)

- 644 Mauricio Schoijet, A CONTRACORRIENTE, Revista Elementos, Ciencia y Cultura 11 (53), BUAP Mayo 2004
- 645 Torres, B. Las ong ambientalistas en las relaciones México-Estados Unidos”, Foro Internacional, vol. xxxix, núm. 158 (4), octubre-diciembre de 1999

37) MIRAMONTES_O EL COLEGIO DE MEXICO REPTEC P RADIOACT (1989)

646 Bruce Michael Bagley, Sergio Aguayo. En busca de la seguridad perdida: Aproximaciones a la Seguridad Nacional Mexicana, ISBN-10: 9682316456 Siglo XXI editores,1990

38) MIRAMONTES_O EL COLEGIO DE MEXICO REPTEC P. ELECTROMAG (1989)

647 Bruce Michael Bagley, Sergio Aguayo. En busca de la seguridad perdida: Aproximaciones a la Seguridad Nacional Mexicana. ISBN-10: 9682316456 Siglo XXI editores, Mexico 1990

39) MIRAMONTES_O EL COLEGIO DE MEXICO BOL. ED. (1989)

648. STEVIS_D, MUMME_SP. LATIN AMERICAN RESEARCH REVIEW, 1991, Vol.26, pp.82.

649. STEVIS_D, MUMME_SP. EKISTICS, 1990, Vol.57, pp.31

CUADRO DE ANALISIS

Citas totales: 649

Autocitas: 63

Citas en índices electrónicos (SCI, Scopus, Scirus, Scholar): 553

Citas en los archivos electrónicos del ArXiv: 11

Citas en libros con clasificación ISBN: 66

Citas en trabajos de tesis internacionales (sin relación con el autor): 19

Citas de calidad

Defino como citas de calidad aquellas en que la revista en la que aparece la cita tiene un Factor de Impacto del ISI igual o mayor a 4.0 En particular hago notar que he sido citado 6 veces en la revista NATURE, una vez en SCIENCE, una vez en REV MOD PHYS y cuatro veces en TRENDS ECOL EVOL. Todas estas publicaciones tienen un Factor de Impacto mayor o igual a 12.

Año	Revista	Factor Impacto (2004)
1997	NATURE	30.979
1997	NATURE	30.979
1996	NATURE	30.979
2006	NATURE	30.979
2007	NATURE	30.979
2008	NATURE	30.979
1997	SCIENCE	29.162
2001	REV MOD PHYS	28.172
1997	TRENDS ECOL EVOL	12.449
1997	TRENDS ECOL EVOL	12.449
1995	TRENDS ECOL EVOL	12.449
1995	TRENDS ECOL EVOL	12.449
2008	TRENDS ECOL EVOL	12.449
1996	PHYS REV LET	7.035
1996	PHYS REV LET	7.035
1996	PHYS REV LET	7.035
2006	PHYS REV LET	7.035
2008	PHYS REV LET	7.035
2003	ECOL MONOGR	4.793
2001	ECOL MONOGR	4.793
2003	ECOL LETT	4.211
2003	ECOL LETT	4.211
1999	ECOL LETT	4.211
1998	ECOL LETT	4.211
2001	AM NAT	4.059
2001	AM NAT	4.059
2000	AM NAT	4.059
1999	AM NAT	4.059
1998	AM NAT	4.059
1996	AM NAT	4.059
1996	AM NAT	4.059
2008	PNAS	
2008	PNAS	