

Eric Bonabeau

List of Publications by Year in descending order

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45
papers

8,311
citations

279798

23
h-index

302126

39
g-index

45
all docs

45
docs citations

45
times ranked

4750
citing authors

#	ARTICLE	IF	CITATIONS
1	Swarm Intelligence. , 2012, , 1599-1622.		30
2	Exploratory Data Analysis with Interactive Evolution. Lecture Notes in Computer Science, 2004, , 1151-1161.	1.3	2
3	Decision making dynamics in corporate boards. Physica A: Statistical Mechanics and Its Applications, 2003, 322, 567-582.	2.6	67
4	DECISION SPREAD IN THE CORPORATE BOARD NETWORK. International Journal of Modeling, Simulation, and Scientific Computing, 2003, 06, 631-644.	1.4	22
5	Spatial patterns in ant colonies. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 9645-9649.	7.1	195
6	Task Partitioning in a Ponerine Ant. Journal of Theoretical Biology, 2002, 215, 481-489.	1.7	17
7	Graph multidimensional scaling with self-organizing maps. Information Sciences, 2002, 143, 159-180.	6.9	17
8	Model of Droplet Dynamics in the Argentine Ant Linepithema Humile(Mayr). Bulletin of Mathematical Biology, 2001, 63, 1079-1093.	1.9	38
9	Cooperative transport by ants and robots. Robotics and Autonomous Systems, 2000, 30, 85-101.	5.1	327
10	Ant algorithms and stigmergy. Future Generation Computer Systems, 2000, 16, 851-871.	7.5	691
11	Three-dimensional architectures grown by simple "stigmergic" agents. BioSystems, 2000, 56, 13-32.	2.0	72
12	Dynamic Scheduling and Division of Labor in Social Insects. Adaptive Behavior, 2000, 8, 83-95.	1.9	95
13	Pattern Formation and Optimization in Army Ant Raids. Artificial Life, 2000, 6, 219-226.	1.3	42
14	Dominance Orders in Animal Societies: The Self-organization Hypothesis Revisited. Bulletin of Mathematical Biology, 1999, 61, 727-757.	1.9	74
15	A Brief History of Stigmergy. Artificial Life, 1999, 5, 97-116.	1.3	494
16	The mechanisms and rules of coordinated building in social insects. , 1999, , 309-330.		28
17	Role and variability of response thresholds in the regulation of division of labor in insect societies. , 1999, , 141-163.		24
18	Swarm Intelligence. , 1999, , .		4,417

#	ARTICLE	IF	CITATIONS
19	MÃ©moire collective chez les insectes sociaux. , 1999, , 141-165.		0
20	Self-organizing maps for drawing large graphs. Information Processing Letters, 1998, 67, 177-184.	0.6	25
21	The synchronization of recruitment-based activities in ants. BioSystems, 1998, 45, 195-211.	2.0	20
22	Fixed Response Thresholds and the Regulation of Division of Labor in Insect Societies. Bulletin of Mathematical Biology, 1998, 60, 753-807.	1.9	196
23	The origin of nest complexity in social insects. Complexity, 1998, 3, 15-25.	1.6	85
24	Social Insect Colonies as Complex Adaptive Systems. Ecosystems, 1998, 1, 437-443.	3.4	102
25	Dripping faucet with ants. Physical Review E, 1998, 57, 5904-5907.	2.1	22
26	Phase-ordering kinetics of cemetery organization in ants. Physical Review E, 1998, 57, 4568-4571.	2.1	27
27	Routing in telecommunications networks with ant-like agents. Lecture Notes in Computer Science, 1998, , 60-71.	1.3	78
28	Monte Carlo simulations of intrinsically pinned vortices in layered superconductors. Journal of Physics Condensed Matter, 1997, 9, L607-L612.	1.8	0
29	From Classical Models of Morphogenesis to Agent-Based Models of Pattern Formation. Artificial Life, 1997, 3, 191-211.	1.3	74
30	Self-organization in social insects. Trends in Ecology and Evolution, 1997, 12, 188-193.	8.7	534
31	Mathematical model of self-organizing hierarchies in animal societies. Bulletin of Mathematical Biology, 1996, 58, 661-717.	1.9	73
32	Mathematical model of self-organizing hierarchies in animal societies. Bulletin of Mathematical Biology, 1996, 58, 661-717.	1.9	26
33	On the effective activation energy due to flux avalanches in the Bean state. Physica C: Superconductivity and Its Applications, 1996, 256, 365-370.	1.2	6
34	A simple model for the statistics of events in idiotypic networks. BioSystems, 1996, 39, 25-34.	2.0	2
35	Monte Carlo Simulations of a Disordered Lattice London Model. Physical Review Letters, 1996, 77, 5122-5125.	7.8	6
36	Order of the vortex lattice melting transition in a type-II superconductor as a function of magnetic field. Journal of Physics Condensed Matter, 1996, 8, L469-L473.	1.8	1

#	ARTICLE	IF	CITATIONS
37	Marginally Stable Swarms Are Flexible and Efficient. Journal De Physique, I, 1996, 6, 309-324.	1.2	9
38	Self-organization of hierarchies in animal societies: the case of the primitively eusocial wasp <i>Polistes dominulus</i> Christ. Journal of Theoretical Biology, 1995, 174, 313-323.	1.7	55
39	Modelling the Collective Building of Complex Architectures in Social Insects with Lattice Swarms. Journal of Theoretical Biology, 1995, 177, 381-400.	1.7	132
40	Phase diagram of a model of self-organizing hierarchies. Physica A: Statistical Mechanics and Its Applications, 1995, 217, 373-392.	2.6	98
41	Possible universality in the size distribution of fish schools. Physical Review E, 1995, 51, R5220-R5223.	2.1	71
42	Some consequences of flux avalanches in type-II superconductors. Physical Review B, 1995, 52, 494-505.	3.2	8
43	Sandpile representation of the Bean state. Physica C: Superconductivity and Its Applications, 1994, 235-240, 2917-2918.	1.2	3
44	Monte Carlo study of weakly pinned vortices with vortex loop fluctuations. Physica C: Superconductivity and Its Applications, 1994, 235-240, 2647-2648.	1.2	2
45	Self-reorganizations in a simple model of the immune system. Physica A: Statistical Mechanics and Its Applications, 1994, 208, 336-350.	2.6	4