Klaus Jaffe

List of Publications by Year
in descending order

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Version: 2024-02-01

84	1,687	279798	345221
papers	citations	23 h-index	36 g-index

87	87	87	1531
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Ethology and animal behaviour in Latin America. Animal Behaviour, 2020, 164, 281-291.	1.9	7
2	A network analysis of research productivity by country, discipline, and wealth. PLoS ONE, 2020, 15, e0232458.	2.5	41
3	Are average years of education losing predictive power for economic growth? An alternative measure through structural equations modeling. PLoS ONE, 2019, 14, e0213651.	2.5	9
4	Synergy from reproductive division of labor and genetic complexity drive the evolution of sex. Journal of Biological Physics, 2018, 44, 317-329.	1.5	7
5	Manipulating the Alpha Level Cannot Cure Significance Testing. Frontiers in Psychology, 2018, 9, 699.	2.1	64
6	Quantifying Structure Differences in Literature Using Symbolic Diversity and Entropy Criteria. Journal of Quantitative Linguistics, 2017, 24, 16-53.	1.2	9
7	The â€œInvisible Handâ€•of Economic Markets Can Be Visualized through the Synergy Created by Division of Labor. Complexity, 2017, 2017, 1-10.	1.6	2
8	Music viewed by its entropy content: A novel window for comparative analysis. PLoS ONE, 2017, 12, e0185757.	2.5	11
9	Synergy Drives the Evolutionary Dynamics in Biology and Economics. Springer Proceedings in Complexity, 2017, , 311-331.	0.3	0
10	Defining synergy thermodynamically using quantitative measurements of entropy and free energy. Complexity, 2016, 21, 235-242.	1.6	15
11	Extended inclusive fitness theory: synergy and assortment drives the evolutionary dynamics in biology and economics. SpringerPlus, 2016, 5, 1092.	1.2	4
12	Calculating entropy at different scales among diverse communication systems. Complexity, 2016, 21, 330-353.	1.6	3
13	Food Insecurity of Children and Shame of Others Knowing They Are Without Food. Journal of Hunger and Environmental Nutrition, 2016, 11, 180-194.	1.9	38
14	Visualizing the Invisible Hand of Markets: Simulating Complex Dynamic Economic Interactions. Intelligent Systems in Accounting, Finance and Management, 2015, 22, 115-132.	4.6	7
15	Extended Inclusive Fitness Theory Bridges Economics and Biology Through a Common Understanding of Social Synergy. SSRN Electronic Journal, 2015, , .	0.4	1
16	A Fundamental Scale of Descriptions for Analyzing Information Content of Communication Systems. Entropy, 2015, 17, 1606-1633.	2.2	8
17	Complexity measurement of natural and artificial languages. Complexity, 2015, 20, 25-48.	1.6	19
18	On the bioeconomics of shame and guilt. Journal of Bioeconomics, 2015, 17, 137-149.	3.3	6

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19	Social and Natural Sciences Differ in Their Research Strategies, Adapted to Work for Different Knowledge Landscapes. PLoS ONE, 2014, 9, e113901.	2.5	17
20	Venezuela: violence, human rights, and health-care realities. Lancet, The, 2014, 383, 1970.	13.7	2
21	The Relevance of Science in Development. Advances in Finance, Accounting, and Economics, 2014, , 1-17.	0.3	5
22	Productivity in Physical and Chemical Science Predicts the Future Economic Growth of Developing Countries Better than Other Popular Indices. PLoS ONE, 2013, 8, e66239.	2.5	34
23	Chemical Recruitment for Foraging in Ants (Formicidae) and Termites (Isoptera): A Revealing Comparison. Psyche: Journal of Entomology, 2012, 2012, 1-11.	0.9	10
24	Quantifying social synergy in insect and human societies. Behavioral Ecology and Sociobiology, 2010, 64, 1721-1724.	1.4	25
25	Olfaction in birds: a closer look at the kiwi (Apterygidae). Journal of Avian Biology, 2010, 41, 213-218.	1.2	18
26	The need for sperm selection may explain why termite colonies have kings and queens, whereas those of ants, wasps and bees have only queens. Theory in Biosciences, 2008, 127, 359-363.	1.4	2
27	Evolution of shame as an adaptation to social punishment and its contribution to social cohesiveness. Complexity, 2008, 14, 46-52.	1.6	14
28	Seasonal sebaceous patch in the nectar-feeding bats Leptonycteris curasoae and L. yerbabuenae (Phyllostomidae: Glossophaginae): phenological, histological, and preliminary chemical characterization. Zoology, 2008, 111, 363-376.	1.2	28
29	Grants awarded on the basis of political criteria. Nature, 2008, 451, 395-395.	27.8	1
30	Comparing different modes of horizontal information transmission in stabilizing cooperation in different complex networks. , 2008, , .		1
31	On the adaptive value of Sex. , 2008, , 213-221.		4
32	THE ECONOMIC LIMITS OF TRUST: THE CASE OF A LATIN-AMERICAN URBAN INFORMAL COMMERCE SECTOR. Journal of Developmental Entrepreneurship, 2007, 12, 339-352.	0.8	11
33	Mate selection in the moth Neoleucinodes elegantalis: evidence for a supernormal chemical stimulus in sexual attraction. Animal Behaviour, 2007, 73, 727-734.	1.9	42
34	Simulations Show That Shame Drives Social Cohesion. Lecture Notes in Computer Science, 2006, , 88-97.	1.3	2
35	EVIDENCE FAVORING SPERM SELECTION OVER SPERM COMPETITION IN THE INTERACTION BETWEEN HUMAN SEMINAL PLASMA AND SPERM MOTILITY IN VITRO. Archives of Andrology, 2006, 52, 45-50.	1.0	7
36	Assortative Mating Drastically Alters the Magnitude of Error Thresholds. Lecture Notes in Computer Science, 2006, , 890-899.	1.3	9

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37	Self seeks like: many humans choose their dog pets following rules used for assortative mating. Journal of Ethology, 2005, 23, 15-18.	0.8	26
38	Narcissism Guides Mate Selection: Humans Mate Assortatively, as Revealed by Facial Resemblance, following an Algorithm of â€œSelf Seeking Likeâ€• Evolutionary Psychology, 2004, 2, 147470490400200.	0.9	40
39	Altruism, Altruistic Punishment and Social Investment. Acta Biotheoretica, 2004, 52, 155-172.	1.5	17
40	Metapleural- and Postpharyngeal-Gland Secretions from Workers of the AntsSolenopsis invicta andS. geminata. Chemistry and Biodiversity, 2004, 1, 303-311.	2.1	15
41	Sex promotes gamete selection: A quantitative comparative study of features favoring the evolution of sex. Complexity, 2004, 9, 43-51.	1.6	13
42	Scientists and the Venezuelan Crisis. Science, 2003, 299, 1184a-1184.	12.6	1
43	AvaliaÃ§Ã£o do feromÃ´nio sexual de Neoleucinodes elegantalis GuenÃ©e (Lepidoptera: Crambidae). Neotropical Entomology, 2003, 32, 221-229.	1.2	12
44	Nestmate recognition signals of the leaf-cutting ant Atta laevigata. Journal of Insect Physiology, 2002, 48, 287-295.	2.0	41
45	On Sex, Mate Selection, and Evolution: An Exploration. Comments on Theoretical Biology, 2002, 7, 91-107.	0.6	29
46	Bacteria modulate the degree of amphimix of their symbiotic entomopathogenic nematodes () Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382	1.6	4
47	On the relative importance of haplodiploidy, assortative mating and social synergy on the evolutionary emergence of social behavior. , 2001, 49, 29-42.		15
48	Sex pheromone of tomato fruit borer, Neoleucinodes elegantalis. Journal of Chemical Ecology, 2001, 27, 2097-2107.	1.8	38
49	Sensitivity of ant (Cephalotes) colonies and individuals to antibiotics implies feeding symbiosis with gut microorganisms. Canadian Journal of Zoology, 2001, 79, 1120-1124.	1.0	19
50	Emergence and maintenance of sex among diploid organisms aided by assortative mating. , 2000, 48, 137-147.		20
51	How plants shape the ant community in the Amazonian rainforest canopy: the key role of extrafloral nectaries and homopteran honeydew. Oecologia, 2000, 125, 229-240.	2.0	234
52	On the Adaptive Value of Some Mate Selection Strategies. Acta Biotheoretica, 1999, 47, 29-40.	1.5	20
53	Mandibular Gland Secretion in Different Castes of the Leaf-Cutter Ant Atta laevigata. Journal of Chemical Ecology, 1999, 25, 2433-2444.	1.8	33
54	Ultrastructure of the spines and neck gland of Abananote hylonome Doubleday, 1844 (Lepidoptera:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.4	10

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55	On Sex, Mate Selection and the Red Queen. Journal of Theoretical Biology, 1999, 199, 1-9.	1.7	26
56	Ants, Plants and Butterflies as Diversity Indicators: Comparisons between Strata at six Forest Sites in Venezuela. Studies on Neotropical Fauna and Environment, 1999, 34, 59-64.	1.0	6
57	Chemical Ecology of the Defense of Two Nymphalid Butterfly Larvae Against Ants. Journal of Chemical Ecology, 1998, 24, 1173-1186.	1.8	17
58	Recovery of Disturbed Ecosystems as Monitored by Ant and Vegetation Diversity in Forests and Surrounding Savannas of Venezuela. Studies on Neotropical Fauna and Environment, 1998, 33, 85-92.	1.0	1
59	Sex, mate selection, and evolution. Lecture Notes in Computer Science, 1998, , 483-492.	1.3	6
60	Dynamics of the Emergence of Genetic Resistance to Biocides among Asexual and Sexual Organisms. Journal of Theoretical Biology, 1997, 188, 289-299.	1.7	20
61	Ant wars: combat strategies, territory and nest defence in the leaf-cutting antAtta laevigata. Animal Behaviour, 1996, 51, 1207-1217.	1.9	87
62	Trophic Interactions Between Ants and Termites that Share Common Nests. Annals of the Entomological Society of America, 1995, 88, 328-333.	2.5	24
63	On insect attractants from pitcher plants of the genusHeliamphora (sarraceniaceae). Journal of Chemical Ecology, 1995, 21, 379-384.	1.8	29
64	Involvement of amino acids, opioids, nitric oxide, and NMDA receptors in learning and memory consolidation in crickets. Pharmacology Biochemistry and Behavior, 1994, 47, 493-496.	2.9	23
65	Carnivory in pitcher plants of the genus Heliamphora (Sarraceniaceae). New Phytologist, 1992, 122, 733-744.	7.3	43
66	Amino acid levels during learning and memory consolidation of an aversive conditioning task in crickets. Pharmacology Biochemistry and Behavior, 1992, 43, 205-214.	2.9	7
67	Competition for Prey Between the Carnivorous Bromeliaceae Brocchinia reducta and Sarraceneacea Heliamphora nutans. Biotropica, 1991, 23, 602.	1.6	7
68	Genetic similarity, human altruism and group selection: A study of the open peer commentaries. Behavioral and Brain Sciences, 1991, 14, 525-526.	0.7	1
69	Amino acids and memory consolidation in the cricket I: Changes in the titer of free amino acids in nervous tissue after learning. Pharmacology Biochemistry and Behavior, 1990, 35, 127-131.	2.9	5
70	Amino acids and memory consolidation in the cricket II: Effect of injected amino acids and opioids on memory. Pharmacology Biochemistry and Behavior, 1990, 35, 133-136.	2.9	8
71	Comparative Study of Brain Morphology in Ants. Brain, Behavior and Evolution, 1989, 33, 25-33.	1.7	42
72	Ants Visit Extrafloral Nectaries of the Orchid Spathoglotis plicata Blume. Biotropica, 1989, 21, 278.	1.6	12

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73	Orientation in leaf-cutting ants (Formicidae: Attini). Animal Behaviour, 1987, 35, 1443-1453.	1.9	34
74	Two Different Decision-Making Systems in Recruitment To Food in Ant Societies. Behaviour, 1985, 92, 9-21.	0.8	12
75	On the Adaptive Value of Nest Features in the Grass-Cutting Ant Acromyrmex landolti. Biotropica, 1985, 17, 347.	1.6	25
76	Negentropy and the evolution of chemical recruitment in ants (Hymenoptera: Formicidae). Journal of Theoretical Biology, 1984, 106, 587-604.	1.7	30
77	Colony-specific territorial marking with the metapleural gland secretion in the ant Solenopsis geminata (Fabr). Journal of Insect Physiology, 1984, 30, 265-270.	2.0	42
78	Theoretical analysis of the communication system for chemical mass recruitment in ants. Journal of Theoretical Biology, 1980, 84, 589-609.	1.7	29
79	Effect of cycloheximide on protein synthesis and memory in praying mantis. Physiology and Behavior, 1980, 25, 367-371.	2.1	26
80	A chemical correlate of learning in a praying mantis. Journal of Insect Physiology, 1979, 25, 319-325.	2.0	12
81	The dynamics of learning in the praying mantis (Stagmatoptera biocellata). Journal of Insect Physiology, 1979, 25, 525-533.	2.0	18
82	Studies on the mechanism by which inorganic arsenate facilitates the enzymatic reduction of dihydroxy acetone by Î±-glycerophosphate dehydrogenase. FEBS Letters, 1977, 80, 115-118.	2.8	9
83	Food Insecurity Affects Shame in Children. SSRN Electronic Journal, 0, , .	0.4	6
84	Agent Based Simulations Visualize Adam Smith's Invisible Hand by Solving Friedrich Hayek's Economic Calculus. SSRN Electronic Journal, 0, , .	0.4	0