Klaus Jaffe

List of Publications by Year
in descending order

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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	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
2	Ant wars: combat strategies, territory and nest defence in the leaf-cutting antAtta laevigata. Animal Behaviour, 1996, 51, 1207-1217.	1.9	87
3	Manipulating the Alpha Level Cannot Cure Significance Testing. Frontiers in Psychology, 2018, 9, 699.	2.1	64
4	Carnivory in pitcher plants of the genus Heliamphora (Sarraceniaceae). New Phytologist, 1992, 122, 733-744.	7.3	43
5	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
6	Comparative Study of Brain Morphology in Ants. Brain, Behavior and Evolution, 1989, 33, 25-33.	1.7	42
7	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
8	Nestmate recognition signals of the leaf-cutting ant Atta laevigata. Journal of Insect Physiology, 2002, 48, 287-295.	2.0	41
9	A network analysis of research productivity by country, discipline, and wealth. PLoS ONE, 2020, 15, e0232458.	2.5	41
10	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
11	Sex pheromone of tomato fruit borer, Neoleucinodes elegantalis. Journal of Chemical Ecology, 2001, 27, 2097-2107.	1.8	38
12	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
13	Orientation in leaf-cutting ants (Formicidae: Attini). Animal Behaviour, 1987, 35, 1443-1453.	1.9	34
14	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
15	Mandibular Gland Secretion in Different Castes of the Leaf-Cutter Ant Atta laevigata. Journal of Chemical Ecology, 1999, 25, 2433-2444.	1.8	33
16	Negentropy and the evolution of chemical recruitment in ants (Hymenoptera: Formicidae). Journal of Theoretical Biology, 1984, 106, 587-604.	1.7	30
17	Theoretical analysis of the communication system for chemical mass recruitment in ants. Journal of Theoretical Biology, 1980, 84, 589-609.	1.7	29
18	On insect attractants from pitcher plants of the genusHeliamphora (sarraceniaceae). Journal of Chemical Ecology, 1995, 21, 379-384.	1.8	29

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19	On Sex, Mate Selection, and Evolution: An Exploration. Comments on Theoretical Biology, 2002, 7, 91-107.	0.6	29
20	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
21	Effect of cycloheximide on protein synthesis and memory in praying mantis. Physiology and Behavior, 1980, 25, 367-371.	2.1	26
22	On Sex, Mate Selection and the Red Queen. Journal of Theoretical Biology, 1999, 199, 1-9.	1.7	26
23	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
24	On the Adaptive Value of Nest Features in the Grass-Cutting Ant Acromyrmex landolti. Biotropica, 1985, 17, 347.	1.6	25
25	Quantifying social synergy in insect and human societies. Behavioral Ecology and Sociobiology, 2010, 64, 1721-1724.	1.4	25
26	Trophic Interactions Between Ants and Termites that Share Common Nests. Annals of the Entomological Society of America, 1995, 88, 328-333.	2.5	24
27	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
28	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
29	On the Adaptive Value of Some Mate Selection Strategies. Acta Biotheoretica, 1999, 47, 29-40.	1.5	20
30	Emergence and maintenance of sex among diploid organisms aided by assortative mating. , 2000, 48, 137-147.		20
31	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
32	Complexity measurement of natural and artificial languages. Complexity, 2015, 20, 25-48.	1.6	19
33	The dynamics of learning in the praying mantis (Stagmatoptera biocellata). Journal of Insect Physiology, 1979, 25, 525-533.	2.0	18
34	Olfaction in birds: a closer look at the kiwi (Apterygidae). Journal of Avian Biology, 2010, 41, 213-218.	1.2	18
35	Chemical Ecology of the Defense of Two Nymphalid Butterfly Larvae Against Ants. Journal of Chemical Ecology, 1998, 24, 1173-1186.	1.8	17
36	Altruism, Altruistic Punishment and Social Investment. Acta Biotheoretica, 2004, 52, 155-172.	1.5	17

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37	Social and Natural Sciences Differ in Their Research Strategies, Adapted to Work for Different Knowledge Landscapes. PLoS ONE, 2014, 9, e113901.	2.5	17
38	On the relative importance of haplodiploidy, assortative mating and social synergy on the evolutionary emergence of social behavior. , 2001, 49, 29-42.		15
39	Metapleural- and Postpharyngeal-Gland Secretions from Workers of the AntsSolenopsis invicta andS. geminata. Chemistry and Biodiversity, 2004, 1, 303-311.	2.1	15
40	Defining synergy thermodynamically using quantitative measurements of entropy and free energy. Complexity, 2016, 21, 235-242.	1.6	15
41	Evolution of shame as an adaptation to social punishment and its contribution to social cohesiveness. Complexity, 2008, 14, 46-52.	1.6	14
42	Sex promotes gamete selection: A quantitative comparative study of features favoring the evolution of sex. Complexity, 2004, 9, 43-51.	1.6	13
43	A chemical correlate of learning in a praying mantis. Journal of Insect Physiology, 1979, 25, 319-325.	2.0	12
44	Two Different Decision-Making Systems in Recruitment To Food in Ant Societies. Behaviour, 1985, 92, 9-21.	0.8	12
45	Ants Visit Extrafloral Nectaries of the Orchid Spathoglotis plicata Blume. Biotropica, 1989, 21, 278.	1.6	12
46	AvaliaÃ§Ã£o do feromÃ´nio sexual de Neoleucinodes elegantalis GuenÃ©e (Lepidoptera: Crambidae). Neotropical Entomology, 2003, 32, 221-229.	1.2	12
47	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
48	Music viewed by its entropy content: A novel window for comparative analysis. PLoS ONE, 2017, 12, e0185757.	2.5	11
49	Ultrastructure of the spines and neck gland of Abananote hylonome Doubleday, 1844 (Lepidoptera:) Tj ETQq1 1 0.784314 rgBT /Over	0.4	10
50	Chemical Recruitment for Foraging in Ants (Formicidae) and Termites (Isoptera): A Revealing Comparison. Psyche: Journal of Entomology, 2012, 2012, 1-11.	0.9	10
51	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
52	Quantifying Structure Differences in Literature Using Symbolic Diversity and Entropy Criteria. Journal of Quantitative Linguistics, 2017, 24, 16-53.	1.2	9
53	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
54	Assortative Mating Drastically Alters the Magnitude of Error Thresholds. Lecture Notes in Computer Science, 2006, , 890-899.	1.3	9

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55	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
56	A Fundamental Scale of Descriptions for Analyzing Information Content of Communication Systems. Entropy, 2015, 17, 1606-1633.	2.2	8
57	Competition for Prey Between the Carnivorous Bromeliaceae Brocchinia reducta and Sarraceneacea Heliamphora nutans. Biotropica, 1991, 23, 602.	1.6	7
58	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
59	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
60	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
61	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
62	Ethology and animal behaviour in Latin America. Animal Behaviour, 2020, 164, 281-291.	1.9	7
63	On the bioeconomics of shame and guilt. Journal of Bioeconomics, 2015, 17, 137-149.	3.3	6
64	Sex, mate selection, and evolution. Lecture Notes in Computer Science, 1998, , 483-492.	1.3	6
65	Food Insecurity Affects Shame in Children. SSRN Electronic Journal, 0, , .	0.4	6
66	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
67	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
68	The Relevance of Science in Development. Advances in Finance, Accounting, and Economics, 2014, , 1-17.	0.3	5
69	Bacteria modulate the degree of amphimix of their symbiotic entomopathogenic nematodes () Tj ETQq1 1 0.784314 rgBT /Overlock 1	1.6	4
70	Extended inclusive fitness theory: synergy and assortment drives the evolutionary dynamics in biology and economics. SpringerPlus, 2016, 5, 1092.	1.2	4
71	On the adaptive value of Sex. , 2008, , 213-221.		4
72	Calculating entropy at different scales among diverse communication systems. Complexity, 2016, 21, 330-353.	1.6	3

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73	Simulations Show That Shame Drives Social Cohesion. Lecture Notes in Computer Science, 2006, , 88-97.	1.3	2
74	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
75	Venezuela: violence, human rights, and health-care realities. Lancet, The, 2014, 383, 1970.	13.7	2
76	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
77	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
78	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
79	Scientists and the Venezuelan Crisis. Science, 2003, 299, 1184a-1184.	12.6	1
80	Grants awarded on the basis of political criteria. Nature, 2008, 451, 395-395.	27.8	1
81	Comparing different modes of horizontal information transmission in stabilizing cooperation in different complex networks. , 2008, , .		1
82	Extended Inclusive Fitness Theory Bridges Economics and Biology Through a Common Understanding of Social Synergy. SSRN Electronic Journal, 2015, , .	0.4	1
83	Agent Based Simulations Visualize Adam Smith's Invisible Hand by Solving Friedrich Hayek's Economic Calculus. SSRN Electronic Journal, 0, , .	0.4	0
84	Synergy Drives the Evolutionary Dynamics in Biology and Economics. Springer Proceedings in Complexity, 2017, , 311-331.	0.3	0