

Vincent A A Jansen

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5514998/publications.pdf>

Version: 2024-02-01

101
papers

8,451
citations

53794

45
h-index

48315

88
g-index

104
all docs

104
docs citations

104
times ranked

8531
citing authors

#	ARTICLE	IF	CITATIONS
1	The Evolution of Plasmid Transfer Rate in Bacteria and Its Effect on Plasmid Persistence. <i>American Naturalist</i> , 2021, 198, 473-488.	2.1	5
2	Between a rock and a hard place: adaptive sensing and site-specific dispersal. <i>Ecology Letters</i> , 2020, 23, 1370-1379.	6.4	9
3	PRDM9 and the evolution of recombination hotspots. <i>Theoretical Population Biology</i> , 2019, 126, 19-32.	1.1	12
4	Stable cycling in quasi-linkage equilibrium: Fluctuating dynamics under gene conversion and selection. <i>Journal of Theoretical Biology</i> , 2019, 477, 84-95.	1.7	0
5	Dispersal biophysics and adaptive significance of dimorphic diaspores in the annual <i>Aethionema arabicum</i> (Brassicaceae). <i>New Phytologist</i> , 2019, 221, 1434-1446.	7.3	38
6	How humans transmit language: horizontal transmission matches word frequencies among peers on Twitter. <i>Journal of the Royal Society Interface</i> , 2018, 15, 20170738.	3.4	6
7	Pesticide reduces bumblebee colony initiation and increases probability of population extinction. <i>Nature Ecology and Evolution</i> , 2017, 1, 1308-1316.	7.8	123
8	The evolution of sex-specific virulence in infectious diseases. <i>Nature Communications</i> , 2016, 7, 13849.	12.8	49
9	Population structure and associated phenotypes of <i>Salmonella enterica</i> serovars Derby and Mbandaka overlap with host range. <i>BMC Microbiology</i> , 2016, 16, 15.	3.3	41
10	Siderophore production and the evolution of investment in a public good: An adaptive dynamics approach to kin selection. <i>Journal of Theoretical Biology</i> , 2016, 388, 61-71.	1.7	15
11	Resurgent Insurgents: Quantitative Research Into Jihadists Who Get Suspended but Return on Twitter. <i>Journal of Terrorism Research</i> , 2016, 7, 1.	0.8	19
12	Temperature and Oxygen Dependent Metabolite Utilization by <i>Salmonella enterica</i> Serovars Derby and Mbandaka. <i>PLoS ONE</i> , 2015, 10, e0120450.	2.5	7
13	Five challenges in evolution and infectious diseases. <i>Epidemics</i> , 2015, 10, 40-44.	3.0	38
14	Twitter users change word usage according to conversation-partner social identity. <i>Social Networks</i> , 2015, 40, 84-89.	2.1	42
15	Protection Versus Pathology in Aviremic and High Viral Load HIV-2 Infection—The Pivotal Role of Immune Activation and T-cell Kinetics. <i>Journal of Infectious Diseases</i> , 2014, 210, 752-761.	4.0	15
16	Ebola: the power of behaviour change. <i>Nature</i> , 2014, 515, 492-492.	27.8	27
17	SPI-23 of <i>S. Derby</i> : Role in Adherence and Invasion of Porcine Tissues. <i>PLoS ONE</i> , 2014, 9, e107857.	2.5	31
18	Word usage mirrors community structure in the online social network Twitter. <i>EPJ Data Science</i> , 2013, 2, .	2.8	34

#	ARTICLE	IF	CITATIONS
19	Comparative genomics of <i>Salmonella enterica</i> serovars Derby and Mbandaka, two prevalent serovars associated with different livestock species in the UK. <i>BMC Genomics</i> , 2013, 14, 365.	2.8	45
20	Chronic sublethal stress causes bee colony failure. <i>Ecology Letters</i> , 2013, 16, 1463-1469.	6.4	175
21	A generalized functional response for predators that switch between multiple prey species. <i>Journal of Theoretical Biology</i> , 2013, 328, 89-98.	1.7	56
22	Comment on "Evolutionary Walks Evolve Through Interaction Between Movement and Environmental Complexity". <i>Science</i> , 2012, 335, 918-918.	12.6	84
23	Models in the management of animal diseases - P. Willeberg (Editor). <i>Revue Scientifique et Technique</i> "Office International Des Epizooties", 381-643. World Organisation for Animal Health, Paris. 2011. ISBN 978-92-9044-836-5. <i>Journal of Helminthology</i> , 2012, 86, 386-386.	1.0	0
24	An evolutionary mechanism for diversity in siderophore-producing bacteria. <i>Ecology Letters</i> , 2012, 15, 119-125.	6.4	67
25	On Kin and Group Selection, and the Haystack Model. , 2011, , 139-157.		1
26	Evolution in structured populations: beyond the kin versus group debate. <i>Trends in Ecology and Evolution</i> , 2011, 26, 193-201.	8.7	71
27	Stability in flux: community structure in dynamic networks. <i>Journal of the Royal Society Interface</i> , 2011, 8, 1031-1040.	3.4	27
28	Variation in individual walking behavior creates the impression of a Lévy flight. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 8704-8707.	7.1	116
29	Evolutionary consequences of a search image. <i>Theoretical Population Biology</i> , 2010, 77, 49-55.	1.1	4
30	Endemic disease, awareness, and local behavioural response. <i>Journal of Theoretical Biology</i> , 2010, 264, 501-509.	1.7	192
31	Evidence for intermittency and a truncated power law from highly resolved aphid movement data. <i>Journal of the Royal Society Interface</i> , 2010, 7, 199-208.	3.4	53
32	The impact of clonal mixing on the evolution of social behaviour in aphids. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2010, 277, 1651-1657.	2.6	10
33	Interacting epidemics on overlay networks. <i>Physical Review E</i> , 2010, 81, 036118.	2.1	143
34	Modelling the influence of human behaviour on the spread of infectious diseases: a review. <i>Journal of the Royal Society Interface</i> , 2010, 7, 1247-1256.	3.4	941
35	The spread of awareness and its impact on epidemic outbreaks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 6872-6877.	7.1	831
36	Quantitative Models of In Vitro Bacteriophage-Host Dynamics and Their Application to Phage Therapy. <i>PLoS Pathogens</i> , 2009, 5, e1000253.	4.7	168

#	ARTICLE	IF	CITATIONS
37	TO AGE, TO DIE: PARITY, EVOLUTIONARY TRACKING AND COLE'S PARADOX. <i>Evolution; International Journal of Organic Evolution</i> , 2009, 63, 1498-1507.	2.3	22
38	Density-dependent dispersal may explain the mid-season crash in some aphid populations. <i>Population Ecology</i> , 2008, 50, 285-292.	1.2	13
39	High-amplitude fluctuations and alternative dynamical states of midges in Lake Myvatn. <i>Nature</i> , 2008, 452, 84-87.	27.8	102
40	Competition between cryptic species explains variations in rates of lineage evolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 12382-12386.	7.1	39
41	Stochastic spread of <i>Wolbachia</i> . <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2008, 275, 2769-2776.	2.6	76
42	Ant semiochemicals limit apterous aphid dispersal. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2007, 274, 3127-3131.	2.6	36
43	HOW POPULATION DYNAMICS SHAPE THE FUNCTIONAL RESPONSE IN A ONE-PREDATOR-TWO-PREY SYSTEM. <i>Ecology</i> , 2007, 88, 1571-1581.	3.2	88
44	THE EVOLUTION OF DISPERSAL IN A LEVINS' TYPE METAPOPOPULATION MODEL. <i>Evolution; International Journal of Organic Evolution</i> , 2007, 61, 2386-2397.	2.3	26
45	Kinds of kindness: classifying the causes of altruism and cooperation. <i>Journal of Evolutionary Biology</i> , 2006, 19, 1377-1379.	1.7	10
46	Altruism through beard chromodynamics. <i>Nature</i> , 2006, 440, 663-666.	27.8	326
47	The estimation of dispersal rates using the covariance of local populations. <i>Ecological Modelling</i> , 2006, 196, 434-446.	2.5	6
48	Spatial models of virus-immune dynamics. <i>Journal of Theoretical Biology</i> , 2005, 233, 221-236.	1.7	104
49	Contrasting B cell- and T cell-based protective vaccines. <i>Journal of Theoretical Biology</i> , 2005, 234, 39-48.	1.7	10
50	The evolution of stability in a competitive system. <i>Journal of Theoretical Biology</i> , 2005, 236, 208-215.	1.7	7
51	Statistics of infections with diversity in the pathogenicity. <i>Biophysical Chemistry</i> , 2005, 115, 181-185.	2.8	4
52	Global Persistence Despite Local Extinction in Acarine Predator-Prey Systems: Lessons From Experimental and Mathematical Exercises. <i>Advances in Ecological Research</i> , 2005, , 183-220.	2.7	17
53	ECOLOGY: Making Sense of Evolution in an Uncertain World. <i>Science</i> , 2005, 309, 2005-2007.	12.6	18
54	Phage variation: understanding the behaviour of an accidental pathogen. <i>Trends in Microbiology</i> , 2005, 13, 563-565.	7.7	24

#	ARTICLE	IF	CITATIONS
55	Diversity in pathogenicity can cause outbreaks of meningococcal disease. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 10229-10234.	7.1	55
56	Interaction strengths in food webs: issues and opportunities. Journal of Animal Ecology, 2004, 73, 585-598.	2.8	557
57	Life History Trade-Offs Assemble Ecological Guilds. Science, 2004, 306, 111-114.	12.6	122
58	Prion Kinetics. Biophysical Journal, 2004, 87, 728.	0.5	4
59	Spatiotemporal dynamics of epidemics: synchrony in metapopulation models. Mathematical Biosciences, 2004, 188, 1-16.	1.9	116
60	Evolution towards criticality in an epidemiological model for meningococcal disease. Physics Letters, Section A: General, Atomic and Solid State Physics, 2003, 317, 87-96.	2.1	24
61	Meningitis, pathogenicity near criticality: the epidemiology of meningococcal disease as a model for accidental pathogens. Journal of Theoretical Biology, 2003, 222, 347-359.	1.7	30
62	A dynamical perspective of CTL cross-priming and regulation: implications for cancer immunology. Immunology Letters, 2003, 86, 213-227.	2.5	21
63	Complexity and stability revisited. Ecology Letters, 2003, 6, 498-502.	6.4	72
64	Pharmacokinetic Principles of Bacteriophage Therapy. Clinical Pharmacokinetics, 2003, 42, 315-325.	3.5	166
65	Common language or Tower of Babel? On the evolutionary dynamics of signals and their meanings. Proceedings of the Royal Society B: Biological Sciences, 2003, 270, 69-76.	2.6	46
66	Measles Outbreaks in a Population with Declining Vaccine Uptake. Science, 2003, 301, 804-804.	12.6	302
67	Evidence for a Phage Proliferation Threshold?. Journal of Virology, 2002, 76, 13123-13124.	3.4	25
68	Herpes viruses hedge their bets. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 15234-15237.	7.1	60
69	The Evolution of Parasite Virulence, Superinfection, and Host Resistance. American Naturalist, 2002, 159, 658-669.	2.1	146
70	The Dual Role of CD4 T Helper Cells in the Infection Dynamics of HIV and Their Importance for Vaccination. Journal of Theoretical Biology, 2002, 214, 633-646.	1.7	25
71	Red Queen Dynamics of Protein Translation. Journal of Theoretical Biology, 2002, 218, 97-109.	1.7	30
72	Variability in interaction strength and implications for biodiversity. Journal of Animal Ecology, 2002, 71, 362-371.	2.8	111

#	ARTICLE	IF	CITATIONS
73	The Dynamics of Two Diffusively Coupled Predator-Prey Populations. <i>Theoretical Population Biology</i> , 2001, 59, 119-131.	1.1	143
74	Effector cytotoxic T lymphocyte numbers induced by vaccination should exceed levels in chronic infection for protection from HIV. <i>Vaccine</i> , 2001, 20, 3-6.	3.8	13
75	The measured level of prion infectivity varies in a predictable way according to the aggregation state of the infectious agent. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2001, 1535, 164-173.	3.8	25
76	Dangerous liaisons: the ecology of private interest and common good. <i>Oikos</i> , 2001, 95, 211-224.	2.7	68
77	Understanding Bacteriophage Therapy as a Density-dependent Kinetic Process. <i>Journal of Theoretical Biology</i> , 2001, 208, 37-48.	1.7	204
78	The Role of T Cell Help for Anti-viral CTL Responses. <i>Journal of Theoretical Biology</i> , 2001, 211, 419-432.	1.7	46
79	HOST LIFE HISTORY AND THE EVOLUTION OF PARASITE VIRULENCE. <i>Evolution; International Journal of Organic Evolution</i> , 2001, 55, 1056.	2.3	114
80	PERIODIC MORTALITY EVENTS IN PREDATOR-PREY SYSTEMS. <i>Ecology</i> , 2000, 81, 3330-3340.	3.2	16
81	Periodic Mortality Events in Predator-Prey Systems. <i>Ecology</i> , 2000, 81, 3330.	3.2	39
82	Designing drugs to stop the formation of prion aggregates and other amyloids. <i>Biophysical Chemistry</i> , 2000, 88, 47-59.	2.8	48
83	The evolution of syntactic communication. <i>Nature</i> , 2000, 404, 495-498.	27.8	342
84	Phage therapy: The peculiar kinetics of self-replicating pharmaceuticals. <i>Clinical Pharmacology and Therapeutics</i> , 2000, 68, 225-230.	4.7	179
85	Local stability analysis of spatially homogeneous solutions of multi-patch systems. <i>Journal of Mathematical Biology</i> , 2000, 41, 232-252.	1.9	95
86	The Role of Space in Reducing Predator-Prey Cycles. , 2000, , 183-202.		35
87	The kinetics of proteinase K digestion of linear prion polymers. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1999, 266, 1927-1931.	2.6	11
88	Quantifying the kinetic parameters of prion replication. <i>Biophysical Chemistry</i> , 1999, 77, 139-152.	2.8	214
89	Evolving biodiversity. <i>Ecology Letters</i> , 1999, 2, 379-386.	6.4	54
90	Dynamics of Macrophage and T Cell Infection by HIV. <i>Journal of Theoretical Biology</i> , 1999, 196, 101-113.	1.7	74

#	ARTICLE	IF	CITATIONS
91	Phase locking: another cause of synchronicity in predator-prey systems. Trends in Ecology and Evolution, 1999, 14, 278-279.	8.7	50
92	COMPLEX DYNAMICS IN STOCHASTIC TRITROPHIC MODELS. Ecology, 1998, 79, 1039-1052.	3.2	33
93	Shaken Not Stirred: On Permanence in Ecological Communities. Theoretical Population Biology, 1998, 54, 195-201.	1.1	54
94	Populations can persist in an environment consisting of sink habitats only. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 3696-3698.	7.1	92
95	Complex Dynamics in Stochastic Tritrophic Models. Ecology, 1998, 79, 1039.	3.2	1
96	An individual-based model for competing <i>Drosophila</i> populations. Researches on Population Ecology, 1997, 39, 215-225.	0.9	9
97	The Effects of a Pool of Dispersers on Host-parasitoid Systems. Journal of Theoretical Biology, 1997, 189, 413-425.	1.7	29
98	Evolution and population dynamics in stochastic environments. Researches on Population Ecology, 1996, 38, 165-182.	0.9	67
99	Outbreaks of Colony-Forming Pests in Tri-Trophic Systems: Consequences for Pest Control and the Evolution of Pesticide Resistance. Oikos, 1995, 74, 172.	2.7	10
100	Effects of dispersal in a tri-trophic metapopulation model. Journal of Mathematical Biology, 1995, 34, 195-224.	1.9	18
101	Prey dispersal and predator persistence. Experimental and Applied Acarology, 1992, 14, 215-231.	1.6	23