

Steven A Frank

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

156
papers

9,753
citations

53
h-index

97
g-index

177
ext. papers

10,805
ext. citations

4.5
avg, IF

7.04
L-index

| # | Paper | IF | Citations |
|-----|---|------|-----------|
| 156 | Models of parasite virulence. <i>Quarterly Review of Biology</i> , 1996 , 71, 37-78 | 5.4 | 999 |
| 155 | Foundations of Social Evolution 1998 , | | 577 |
| 154 | How to make a kin selection model. <i>Journal of Theoretical Biology</i> , 1996 , 180, 27-37 | 2.3 | 414 |
| 153 | Sex Allocation Theory for Birds and Mammals. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 1990 , 21, 13-55 | | 290 |
| 152 | The Evolutionary Dynamics of Cytoplasmic Male Sterility. <i>American Naturalist</i> , 1989 , 133, 345-376 | 3.7 | 289 |
| 151 | Mutual policing and repression of competition in the evolution of cooperative groups. <i>Nature</i> , 1995 , 377, 520-2 | 50.4 | 287 |
| 150 | George Price's contributions to evolutionary genetics. <i>Journal of Theoretical Biology</i> , 1995 , 175, 373-88 | 2.3 | 212 |
| 149 | Perspective: repression of competition and the evolution of cooperation. <i>Evolution; International Journal of Organic Evolution</i> , 2003 , 57, 693-705 | 3.8 | 200 |
| 148 | PERSPECTIVE: REPRESSION OF COMPETITION AND THE EVOLUTION OF COOPERATION. <i>Evolution; International Journal of Organic Evolution</i> , 2003 , 57, 693 | 3.8 | 199 |
| 147 | Evolution in a Variable Environment. <i>American Naturalist</i> , 1990 , 136, 244-260 | 3.7 | 193 |
| 146 | DIVERGENCE OF MEIOTIC DRIVE-SUPPRESSION SYSTEMS AS AN EXPLANATION FOR SEX-BIASED HYBRID STERILITY AND INVIABILITY. <i>Evolution; International Journal of Organic Evolution</i> , 1991 , 45, 262-267 | 3.8 | 192 |
| 145 | THE PRICE EQUATION, FISHER'S FUNDAMENTAL THEOREM, KIN SELECTION, AND CAUSAL ANALYSIS. <i>Evolution; International Journal of Organic Evolution</i> , 1997 , 51, 1712-1729 | 3.8 | 184 |
| 144 | Dispersal polymorphisms in subdivided populations. <i>Journal of Theoretical Biology</i> , 1986 , 122, 303-9 | 2.3 | 182 |
| 143 | Hierarchical selection theory and sex ratios. I. General solutions for structured populations. <i>Theoretical Population Biology</i> , 1986 , 29, 312-42 | 1.2 | 174 |
| 142 | Immunology and Evolution of Infectious Disease 2002 , | | 163 |
| 141 | Coevolutionary genetics of plants and pathogens. <i>Evolutionary Ecology</i> , 1993 , 7, 45-75 | 1.8 | 157 |
| 140 | Genetics of mutualism: the evolution of altruism between species. <i>Journal of Theoretical Biology</i> , 1994 , 170, 393-400 | 2.3 | 154 |

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|-----|---|------|-----|
| 139 | The common patterns of nature. <i>Journal of Evolutionary Biology</i> , 2009 , 22, 1563-85 | 2.3 | 146 |
| 138 | Pathogenesis, virulence, and infective dose. <i>PLoS Pathogens</i> , 2007 , 3, 1372-3 | 7.6 | 146 |
| 137 | Fisher's fundamental theorem of natural selection. <i>Trends in Ecology and Evolution</i> , 1992 , 7, 92-5 | 10.9 | 146 |
| 136 | Dynamics of Cancer 2007 , | | 133 |
| 135 | Individual and population sex allocation patterns. <i>Theoretical Population Biology</i> , 1987 , 31, 47-74 | 1.2 | 132 |
| 134 | Evolution in health and medicine Sackler colloquium: Somatic evolutionary genomics: mutations during development cause highly variable genetic mosaicism with risk of cancer and neurodegeneration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107 (Suppl 1), 1725-30 | 11.5 | 122 |
| 133 | Spatial polymorphism of bacteriocins and other allelopathic traits. <i>Evolutionary Ecology</i> , 1994 , 8, 369-386 | 6.8 | 110 |
| 132 | Variable sex ratio among colonies of ants. <i>Behavioral Ecology and Sociobiology</i> , 1987 , 20, 195-201 | 2.5 | 107 |
| 131 | HIERARCHICAL SELECTION THEORY AND SEX RATIOS. II. ON APPLYING THE THEORY, AND A TEST WITH FIG WASPS. <i>Evolution; International Journal of Organic Evolution</i> , 1985 , 39, 949-964 | 3.8 | 104 |
| 130 | Somatic mutation of p53 leads to estrogen receptor alpha-positive and -negative mouse mammary tumors with high frequency of metastasis. <i>Cancer Research</i> , 2004 , 64, 3525-32 | 10.1 | 103 |
| 129 | Ecological and genetic models of host-pathogen coevolution. <i>Heredity</i> , 1991 , 67 (Pt 1), 73-83 | 3.6 | 103 |
| 128 | The Price Equation, Fisher's Fundamental Theorem, Kin Selection, and Causal Analysis. <i>Evolution; International Journal of Organic Evolution</i> , 1997 , 51, 1712 | 3.8 | 96 |
| 127 | Natural selection. IV. The Price equation. <i>Journal of Evolutionary Biology</i> , 2012 , 25, 1002-19 | 2.3 | 91 |
| 126 | Pathogen escape from host immunity by a genome program for antigenic variation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 18290-5 | 11.5 | 91 |
| 125 | Problems of somatic mutation and cancer. <i>BioEssays</i> , 2004 , 26, 291-9 | 4.1 | 90 |
| 124 | Genetic predisposition to cancer - insights from population genetics. <i>Nature Reviews Genetics</i> , 2004 , 5, 764-72 | 30.1 | 87 |
| 123 | Divergence of Meiotic Drive-Suppression Systems as an Explanation for Sex- Biased Hybrid Sterility and Inviability. <i>Evolution; International Journal of Organic Evolution</i> , 1991 , 45, 262 | 3.8 | 84 |
| 122 | Policing and group cohesion when resources vary. <i>Animal Behaviour</i> , 1996 , 52, 1163-1169 | 2.8 | 83 |

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|-----|--|------|----|
| 121 | Mechanisms of pathogenesis and the evolution of parasite virulence. <i>Journal of Evolutionary Biology</i> , 2008 , 21, 396-404 | 2.3 | 77 |
| 120 | Coevolutionary genetics of hosts and parasites with quantitative inheritance. <i>Evolutionary Ecology</i> , 1994 , 8, 74-94 | 1.8 | 73 |
| 119 | Natural selection. VII. History and interpretation of kin selection theory. <i>Journal of Evolutionary Biology</i> , 2013 , 26, 1151-84 | 2.3 | 72 |
| 118 | Natural selection maximizes Fisher information. <i>Journal of Evolutionary Biology</i> , 2009 , 22, 231-44 | 2.3 | 72 |
| 117 | Natural selection. V. How to read the fundamental equations of evolutionary change in terms of information theory. <i>Journal of Evolutionary Biology</i> , 2012 , 25, 2377-96 | 2.3 | 70 |
| 116 | Cell biology: Developmental predisposition to cancer. <i>Nature</i> , 2003 , 422, 494 | 50.4 | 69 |
| 115 | EVOLUTION OF HOST-PARASITE DIVERSITY. <i>Evolution; International Journal of Organic Evolution</i> , 1993 , 47, 1721-1732 | 3.8 | 67 |
| 114 | Sex ratio under conditional sex expression. <i>Journal of Theoretical Biology</i> , 1988 , 135, 415-8 | 2.3 | 63 |
| 113 | DEMOGRAPHY AND SEX RATIO IN SOCIAL SPIDERS. <i>Evolution; International Journal of Organic Evolution</i> , 1987 , 41, 1267-1281 | 3.8 | 62 |
| 112 | A general model of the public goods dilemma. <i>Journal of Evolutionary Biology</i> , 2010 , 23, 1245-50 | 2.3 | 60 |
| 111 | Multivariate analysis of correlated selection and kin selection, with an ESS maximization method. <i>Journal of Theoretical Biology</i> , 1997 , 189, 307-16 | 2.3 | 60 |
| 110 | The origin of synergistic symbiosis. <i>Journal of Theoretical Biology</i> , 1995 , 176, 403-10 | 2.3 | 60 |
| 109 | Dynamics of Cytoplasmic Incompatibility with Multiple Wolbachia Infections. <i>Journal of Theoretical Biology</i> , 1998 , 192, 213-218 | 2.3 | 58 |
| 108 | Quantifying interhospital patient sharing as a mechanism for infectious disease spread. <i>Infection Control and Hospital Epidemiology</i> , 2010 , 31, 1160-9 | 2 | 56 |
| 107 | The design of adaptive systems: optimal parameters for variation and selection in learning and development. <i>Journal of Theoretical Biology</i> , 1997 , 184, 31-9 | 2.3 | 55 |
| 106 | Age-specific incidence of inherited versus sporadic cancers: a test of the multistage theory of carcinogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 1071-5 | 11.5 | 55 |
| 105 | Spatial variation in coevolutionary dynamics. <i>Evolutionary Ecology</i> , 1991 , 5, 193-217 | 1.8 | 54 |
| 104 | The genetic value of sons and daughters. <i>Heredity</i> , 1986 , 56 (Pt 3), 351-4 | 3.6 | 53 |

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|-----|--|------|----|
| 103 | Statistical properties of polymorphism in host-parasite genetics. <i>Evolutionary Ecology</i> , 1996 , 10, 307-317 | 1.8 | 52 |
| 102 | Input-output relations in biological systems: measurement, information and the Hill equation. <i>Biology Direct</i> , 2013 , 8, 31 | 7.2 | 51 |
| 101 | Age-specific acceleration of cancer. <i>Current Biology</i> , 2004 , 14, 242-6 | 6.3 | 50 |
| 100 | Host Control of Symbiont Transmission: The Separation of Symbionts Into Germ and Soma. <i>American Naturalist</i> , 1996 , 148, 1113-1124 | 3.7 | 50 |
| 99 | Nonheritable cellular variability accelerates the evolutionary processes of cancer. <i>PLoS Biology</i> , 2012 , 10, e1001296 | 9.7 | 49 |
| 98 | Somatic selection for and against cancer. <i>Journal of Theoretical Biology</i> , 2003 , 225, 377-82 | 2.3 | 48 |
| 97 | Specific and non-specific defense against parasitic attack. <i>Journal of Theoretical Biology</i> , 2000 , 202, 283-304 | 3.4 | 48 |
| 96 | Patterns of cell division and the risk of cancer. <i>Genetics</i> , 2003 , 163, 1527-32 | 4 | 48 |
| 95 | Polymorphism of attack and defense. <i>Trends in Ecology and Evolution</i> , 2000 , 15, 167-171 | 10.9 | 44 |
| 94 | Population and quantitative genetics of regulatory networks. <i>Journal of Theoretical Biology</i> , 1999 , 197, 281-94 | 2.3 | 43 |
| 93 | Natural selection. I. Variable environments and uncertain returns on investment. <i>Journal of Evolutionary Biology</i> , 2011 , 24, 2299-309 | 2.3 | 42 |
| 92 | A MODEL OF INDUCIBLE DEFENSE. <i>Evolution; International Journal of Organic Evolution</i> , 1993 , 47, 325-327 | 3.8 | 40 |
| 91 | Natural selection. III. Selection versus transmission and the levels of selection. <i>Journal of Evolutionary Biology</i> , 2012 , 25, 227-43 | 2.3 | 39 |
| 90 | The trade-off between rate and yield in the design of microbial metabolism. <i>Journal of Evolutionary Biology</i> , 2010 , 23, 609-13 | 2.3 | 39 |
| 89 | Cytoplasmic Incompatibility and Population Structure. <i>Journal of Theoretical Biology</i> , 1997 , 184, 327-330 | 2.3 | 39 |
| 88 | Within-host spatial dynamics of viruses and defective interfering particles. <i>Journal of Theoretical Biology</i> , 2000 , 206, 279-90 | 2.3 | 39 |
| 87 | Stochastic elimination of cancer cells. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2003 , 270, 2017-24 | 4.4 | 38 |
| 86 | Natural selection. II. Developmental variability and evolutionary rate. <i>Journal of Evolutionary Biology</i> , 2011 , 24, 2310-20 | 2.3 | 37 |

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|----|--|------|----|
| 85 | Somatic mosaicism and disease. <i>Current Biology</i> , 2014 , 24, R577-R581 | 6.3 | 35 |
| 84 | Within-host dynamics of antigenic variation. <i>Infection, Genetics and Evolution</i> , 2006 , 6, 141-6 | 4.5 | 34 |
| 83 | Maladaptation and the paradox of robustness in evolution. <i>PLoS ONE</i> , 2007 , 2, e1021 | 3.7 | 34 |
| 82 | Pathology from evolutionary conflict, with a theory of X chromosome versus autosome conflict over sexually antagonistic traits. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108 Suppl 2, 10886-93 | 11.5 | 33 |
| 81 | Multiplicity of infection and the evolution of hybrid incompatibility in segmented viruses. <i>Heredity</i> , 2001 , 87, 522-9 | 3.6 | 31 |
| 80 | A model for the sequential dominance of antigenic variants in African trypanosome infections. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 1999 , 266, 1397-401 | 4.4 | 31 |
| 79 | Problems inferring the specificity of plant pathogen genetics. <i>Evolutionary Ecology</i> , 1996 , 10, 323-325 | 1.8 | 31 |
| 78 | Measurement Invariance, Entropy, and Probability. <i>Entropy</i> , 2010 , 12, 289-303 | 2.8 | 28 |
| 77 | Genetic variation in cancer predisposition: mutational decay of a robust genetic control network. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 8061-5 | 11.5 | 27 |
| 76 | HALDANE'S RULE: A DEFENSE OF THE MEIOTIC DRIVE THEORY. <i>Evolution; International Journal of Organic Evolution</i> , 1991 , 45, 1714-1717 | 3.8 | 27 |
| 75 | Sex Allocation in Solitary Bees and Wasps. <i>American Naturalist</i> , 1995 , 146, 316-323 | 3.7 | 25 |
| 74 | Genetic variation of polygenic characters and the evolution of genetic degeneracy. <i>Journal of Evolutionary Biology</i> , 2003 , 16, 138-42 | 2.3 | 23 |
| 73 | The distribution of allelic effects under mutation and selection. <i>Genetical Research</i> , 1990 , 55, 111-7 | 1.1 | 23 |
| 72 | Demography and the tragedy of the commons. <i>Journal of Evolutionary Biology</i> , 2010 , 23, 32-9 | 2.3 | 22 |
| 71 | Generative models versus underlying symmetries to explain biological pattern. <i>Journal of Evolutionary Biology</i> , 2014 , 27, 1172-8 | 2.3 | 21 |
| 70 | Measurement scale in maximum entropy models of species abundance. <i>Journal of Evolutionary Biology</i> , 2011 , 24, 485-96 | 2.3 | 21 |
| 69 | A simple derivation and classification of common probability distributions based on information symmetry and measurement scale. <i>Journal of Evolutionary Biology</i> , 2011 , 24, 469-84 | 2.3 | 20 |
| 68 | Somatic mosaicism and cancer: inference based on a conditional Luria-Delbrück distribution. <i>Journal of Theoretical Biology</i> , 2003 , 223, 405-12 | 2.3 | 20 |

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|----|---|------|----|
| 67 | Barriers to antigenic escape by pathogens: trade-off between reproductive rate and antigenic mutability. <i>BMC Evolutionary Biology</i> , 2007 , 7, 229 | 3 | 19 |
| 66 | Immune response to parasitic attack: evolution of a pulsed character. <i>Journal of Theoretical Biology</i> , 2002 , 219, 281-90 | 2.3 | 19 |
| 65 | Somatic mutation: early cancer steps depend on tissue architecture. <i>Current Biology</i> , 2003 , 13, R261-3 | 6.3 | 18 |
| 64 | Microbial secretor-cheater dynamics. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2010 , 365, 2515-22 | 5.8 | 17 |
| 63 | A Model of Inducible Defense. <i>Evolution; International Journal of Organic Evolution</i> , 1993 , 47, 325 | 3.8 | 17 |
| 62 | Evolution of robustness and cellular stochasticity of gene expression. <i>PLoS Biology</i> , 2013 , 11, e1001578 | 9.7 | 16 |
| 61 | Evolution: mitochondrial burden on male health. <i>Current Biology</i> , 2012 , 22, R797-9 | 6.3 | 15 |
| 60 | A Hierarchical View of Sex-Ratio Patterns. <i>Florida Entomologist</i> , 1983 , 66, 42 | 1 | 15 |
| 59 | How to Read Probability Distributions as Statements about Process. <i>Entropy</i> , 2014 , 16, 6059-6098 | 2.8 | 14 |
| 58 | Weapons and fighting in fig wasps. <i>Trends in Ecology and Evolution</i> , 1987 , 2, 259-260 | 10.9 | 14 |
| 57 | Natural selection. VI. Partitioning the information in fitness and characters by path analysis. <i>Journal of Evolutionary Biology</i> , 2013 , 26, 457-71 | 2.3 | 13 |
| 56 | Developmental selection and self-organization. <i>BioSystems</i> , 1997 , 40, 237-43 | 1.9 | 13 |
| 55 | A multistage theory of age-specific acceleration in human mortality. <i>BMC Biology</i> , 2004 , 2, 16 | 7.3 | 13 |
| 54 | Are Mating and Mate Competition by the Fig Wasp <i>Pegoscapus assuetus</i> (Agaonidae) Random within a Fig?. <i>Biotropica</i> , 1985 , 17, 170 | 2.3 | 13 |
| 53 | Universal expressions of population change by the Price equation: Natural selection, information, and maximum entropy production. <i>Ecology and Evolution</i> , 2017 , 7, 3381-3396 | 2.8 | 12 |
| 52 | The probability of severe disease in zoonotic and commensal infections. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2001 , 268, 53-60 | 4.4 | 12 |
| 51 | POLYMORPHISM OF BACTERIAL RESTRICTION-MODIFICATION SYSTEMS: THE ADVANTAGE OF DIVERSITY. <i>Evolution; International Journal of Organic Evolution</i> , 1994 , 48, 1470-1477 | 3.8 | 12 |
| 50 | Sexual antagonism leads to a mosaic of X-autosome conflict. <i>Evolution; International Journal of Organic Evolution</i> , 2020 , 74, 495-498 | 3.8 | 12 |

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|----|---|------|----|
| 49 | The Price Equation Program: Simple Invariances Unify Population Dynamics, Thermodynamics, Probability, Information and Inference. <i>Entropy</i> , 2018 , 20, | 2.8 | 12 |
| 48 | Programmed cell death and hybrid incompatibility. <i>Journal of Heredity</i> , 2003 , 94, 181-3 | 2.4 | 11 |
| 47 | Microbial evolution: regulatory design prevents cancer-like overgrowths. <i>Current Biology</i> , 2013 , 23, R343-6 | 3.6 | 9 |
| 46 | Evolutionary Foundations of Cooperation and Group Cohesion. <i>Springer Series in Game Theory</i> , 2009 , 3-40 | | 8 |
| 45 | A TOUCHSTONE IN THE STUDY OF ADAPTATION ¹ . <i>Evolution; International Journal of Organic Evolution</i> , 2002 , 56, 2561-2564 | 3.8 | 8 |
| 44 | Evolutionary dynamics of redundant regulatory control. <i>Journal of Theoretical Biology</i> , 2008 , 255, 64-8 | 2.3 | 7 |
| 43 | Commentary: Mathematical models of cancer progression and epidemiology in the age of high throughput genomics. <i>International Journal of Epidemiology</i> , 2004 , 33, 1179-81 | 7.8 | 7 |
| 42 | Evolution of negative immune regulators. <i>PLoS Pathogens</i> , 2019 , 15, e1007913 | 7.6 | 6 |
| 41 | Increasing resource specialization among competitors shifts control of diversity from local to spatial processes 1998 , 1, 3 | | 6 |
| 40 | The invariances of power law size distributions. <i>F1000Research</i> , 2016 , 5, 2074 | 3.6 | 6 |
| 39 | Measurement invariance explains the universal law of generalization for psychological perception. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 9803-9806 | 11.5 | 6 |
| 38 | Receptor uptake arrays for vitamin B, siderophores, and glycans shape bacterial communities. <i>Ecology and Evolution</i> , 2017 , 7, 10175-10195 | 2.8 | 5 |
| 37 | The invariances of power law size distributions. <i>F1000Research</i> , 2016 , 5, 2074 | 3.6 | 5 |
| 36 | Increasing resource specialization among competitors shifts control of diversity from local to spatial processes. <i>Ecology Letters</i> , 1998 , 1, 3-5 | 10 | 5 |
| 35 | When to copy or avoid an opponent's strategy. <i>Journal of Theoretical Biology</i> , 1990 , 145, 41-6 | 2.3 | 4 |
| 34 | The common patterns of abundance: the log series and Zipf's law. <i>F1000Research</i> , 2019 , 8, 334 | 3.6 | 4 |
| 33 | Microbial metabolism: optimal control of uptake versus synthesis. <i>PeerJ</i> , 2014 , 2, e267 | 3.1 | 4 |
| 32 | Evolutionary design of regulatory control. II. Robust error-correcting feedback increases genetic and phenotypic variability. <i>Journal of Theoretical Biology</i> , 2019 , 468, 72-81 | 2.3 | 3 |

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|----|--|-----|---|
| 31 | Simple unity among the fundamental equations of science. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2020 , 375, 20190351 | 5.8 | 3 |
| 30 | Commentary: The nature of cancer research. <i>International Journal of Epidemiology</i> , 2016 , 45, 638-45 | 7.8 | 3 |
| 29 | The Male-Female Pay Gap Driven by Coupling between Labor Markets and Mating Markets. <i>Journal of Bioeconomics</i> , 2006 , 8, 269-274 | 0.7 | 3 |
| 28 | Kinetics of cancer: a method to test hypotheses of genetic causation. <i>BMC Cancer</i> , 2005 , 5, 163 | 4.8 | 3 |
| 27 | Age-specific acceleration in malignant melanoma. <i>F1000Research</i> , 2017 , 6, 27 | 3.6 | 3 |
| 26 | A biochemical logarithmic sensor with broad dynamic range. <i>F1000Research</i> , 2018 , 7, 200 | 3.6 | 3 |
| 25 | Invariance in ecological pattern. <i>F1000Research</i> , 2019 , 8, 2093 | 3.6 | 3 |
| 24 | Invariant death. <i>F1000Research</i> , 2016 , 5, 2076 | 3.6 | 3 |
| 23 | Recognition and polymorphism in host-parasite genetics 1997 , 13-23 | | 3 |
| 22 | Age-specific acceleration in malignant melanoma. <i>F1000Research</i> , 2017 , 6, 27 | 3.6 | 3 |
| 21 | The Generalized Price Equation: Forces That Change Population Statistics. <i>Frontiers in Ecology and Evolution</i> , 2020 , 8, | 3.7 | 3 |
| 20 | The Inductive Theory of Natural Selection. <i>SSRN Electronic Journal</i> , 2014 , | 1 | 2 |
| 19 | Evolution and immunology of infectious diseases: what's new? An E-debate. <i>Infection, Genetics and Evolution</i> , 2004 , 4, 69-75 | 4.5 | 2 |
| 18 | How to Read Probability Distributions as Statements About Process. <i>SSRN Electronic Journal</i> , | 1 | 2 |
| 17 | Evolutionary design of regulatory control. II. Robust error-correcting feedback increases genetic and phenotypic variability | | 2 |
| 16 | Puzzles in modern biology. II. Language, cancer and the recursive processes of evolutionary innovation. <i>F1000Research</i> , 2016 , 5, 2289 | 3.6 | 2 |
| 15 | Puzzles in modern biology. V. Why are genomes overwired?. <i>F1000Research</i> , 2017 , 6, 924 | 3.6 | 2 |
| 14 | Metabolic Heat in Microbial Conflict and Cooperation. <i>Frontiers in Ecology and Evolution</i> , 2020 , 8, | 3.7 | 2 |

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| 13 | Evolutionary design of regulatory control. I. A robust control theory analysis of tradeoffs. <i>Journal of Theoretical Biology</i> , 2019 , 463, 121-137 | 2.3 | 2 |
| 12 | Inheritance of cancer. <i>Discovery Medicine</i> , 2004 , 4, 396-400 | 2.5 | 2 |
| 11 | Developmental Mutators and Early Onset Cancer. <i>Frontiers in Pediatrics</i> , 2020 , 8, 189 | 3.4 | 1 |
| 10 | Puzzles in modern biology. V. Why are genomes overwired?. <i>F1000Research</i> , 2017 , 6, 924 | 3.6 | 1 |
| 9 | Puzzles in modern biology. IV. Neurodegeneration, localized origin and widespread decay. <i>F1000Research</i> , 2016 , 5, 2537 | 3.6 | 1 |
| 8 | The generalized Price equation: forces that change population statistics | | 1 |
| 7 | A biochemical logarithmic sensor with broad dynamic range. <i>F1000Research</i> , 2018 , 7, 200 | 3.6 | 1 |
| 6 | Evolutionary design of regulatory control. I. A robust control theory analysis of tradeoffs | | 1 |
| 5 | Puzzles in modern biology. III. Two kinds of causality in age-related disease. <i>F1000Research</i> , 2016 , 5, 2533 | 3.6 | 1 |
| 4 | Puzzles in modern biology. III. Two kinds of causality in age-related disease. <i>F1000Research</i> , 2016 , 5, 2533 | 3.6 | 1 |
| 3 | The Fundamental Equations of Change in Statistical Ensembles and Biological Populations. <i>Entropy</i> , 2020 , 22, | 2.8 | 1 |
| 2 | Evolution of Antigenic Variation 225-242 | | |
| 1 | Puzzles in modern biology. I. Male sterility, failure reveals design. <i>F1000Research</i> , 2016 , 5, 2288 | 3.6 | |