

Steven A Frank

List of Publications by Year in descending order

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156
papers

11,951
citations

28274

55
h-index

33894

99
g-index

177
all docs

177
docs citations

177
times ranked

7670
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Models of Parasite Virulence. <i>Quarterly Review of Biology</i> , 1996, 71, 37-78. | 0.1 | 1,191 |
| 2 | How to Make a Kin Selection Model. <i>Journal of Theoretical Biology</i> , 1996, 180, 27-37. | 1.7 | 514 |
| 3 | Sex Allocation Theory for Birds and Mammals. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 1990, 21, 13-55. | 6.7 | 374 |
| 4 | Mutual policing and repression of competition in the evolution of cooperative groups. <i>Nature</i> , 1995, 377, 520-522. | 27.8 | 328 |
| 5 | The Evolutionary Dynamics of Cytoplasmic Male Sterility. <i>American Naturalist</i> , 1989, 133, 345-376. | 2.1 | 323 |
| 6 | George Price's contributions to evolutionary genetics. <i>Journal of Theoretical Biology</i> , 1995, 175, 373-388. | 1.7 | 264 |
| 7 | REPRESSION OF COMPETITION AND THE EVOLUTION OF COOPERATION. <i>Evolution; International Journal of Organic Evolution</i> , 2003, 57, 693-705. | 2.3 | 228 |
| 8 | THE PRICE EQUATION, FISHER'S FUNDAMENTAL THEOREM, KIN SELECTION, AND CAUSAL ANALYSIS. <i>Evolution; International Journal of Organic Evolution</i> , 1997, 51, 1712-1729. | 2.3 | 223 |
| 9 | Evolution in a Variable Environment. <i>American Naturalist</i> , 1990, 136, 244-260. | 2.1 | 222 |
| 10 | DIVERGENCE OF MEIOTIC DRIVE'S SUPPRESSION SYSTEMS AS AN EXPLANATION FOR SEX-BIASED HYBRID STERILITY AND INVIABILITY. <i>Evolution; International Journal of Organic Evolution</i> , 1991, 45, 262-267. | 2.3 | 221 |
| 11 | Hierarchical selection theory and sex ratios I. General solutions for structured populations. <i>Theoretical Population Biology</i> , 1986, 29, 312-342. | 1.1 | 215 |
| 12 | Dispersal polymorphisms in subdivided populations. <i>Journal of Theoretical Biology</i> , 1986, 122, 303-309. | 1.7 | 208 |
| 13 | PERSPECTIVE: REPRESSION OF COMPETITION AND THE EVOLUTION OF COOPERATION. <i>Evolution; International Journal of Organic Evolution</i> , 2003, 57, 693. | 2.3 | 205 |
| 14 | Fisher's fundamental theorem of natural selection. <i>Trends in Ecology and Evolution</i> , 1992, 7, 92-95. | 8.7 | 199 |
| 15 | The common patterns of nature. <i>Journal of Evolutionary Biology</i> , 2009, 22, 1563-1585. | 1.7 | 187 |
| 16 | Coevolutionary genetics of plants and pathogens. <i>Evolutionary Ecology</i> , 1993, 7, 45-75. | 1.2 | 186 |
| 17 | Pathogenesis, Virulence, and Infective Dose. <i>PLoS Pathogens</i> , 2007, 3, e147. | 4.7 | 180 |
| 18 | Genetics of Mutualism: The Evolution of Altruism between Species. <i>Journal of Theoretical Biology</i> , 1994, 170, 393-400. | 1.7 | 178 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | Individual and population sex allocation patterns. <i>Theoretical Population Biology</i> , 1987, 31, 47-74. | 1.1 | 161 |
| 20 | 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, 1725-1730. | 7.1 | 154 |
| 21 | Natural selection. IV. The Price equation. <i>Journal of Evolutionary Biology</i> , 2012, 25, 1002-1019. | 1.7 | 140 |
| 22 | 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. | 2.3 | 136 |
| 23 | Spatial polymorphism of bacteriocins and other allelopathic traits. <i>Evolutionary Ecology</i> , 1994, 8, 369-386. | 1.2 | 127 |
| 24 | The Price Equation, Fisher's Fundamental Theorem, Kin Selection, and Causal Analysis. <i>Evolution; International Journal of Organic Evolution</i> , 1997, 51, 1712. | 2.3 | 127 |
| 25 | Variable sex ratio among colonies of ants. <i>Behavioral Ecology and Sociobiology</i> , 1987, 20, 195-201. | 1.4 | 124 |
| 26 | Ecological and genetic models of host-pathogen coevolution. <i>Heredity</i> , 1991, 67, 73-83. | 2.6 | 119 |
| 27 | 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. | 2.3 | 115 |
| 28 | Somatic Mutation of p53 Leads to Estrogen Receptor \pm -Positive and -Negative Mouse Mammary Tumors with High Frequency of Metastasis. <i>Cancer Research</i> , 2004, 64, 3525-3532. | 0.9 | 114 |
| 29 | Problems of somatic mutation and cancer. <i>BioEssays</i> , 2004, 26, 291-299. | 2.5 | 107 |
| 30 | Genetic predisposition to cancer – insights from population genetics. <i>Nature Reviews Genetics</i> , 2004, 5, 764-772. | 16.3 | 106 |
| 31 | Natural selection maximizes Fisher information. <i>Journal of Evolutionary Biology</i> , 2009, 22, 231-244. | 1.7 | 102 |
| 32 | 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, 18290-18295. | 7.1 | 101 |
| 33 | 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, 2377-2396. | 1.7 | 99 |
| 34 | Mechanisms of pathogenesis and the evolution of parasite virulence. <i>Journal of Evolutionary Biology</i> , 2008, 21, 396-404. | 1.7 | 92 |
| 35 | Policing and group cohesion when resources vary. <i>Animal Behaviour</i> , 1996, 52, 1163-1169. | 1.9 | 91 |
| 36 | Natural selection. VII. History and interpretation of kin selection theory. <i>Journal of Evolutionary Biology</i> , 2013, 26, 1151-1184. | 1.7 | 90 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 37 | Coevolutionary genetics of hosts and parasites with quantitative inheritance. <i>Evolutionary Ecology</i> , 1994, 8, 74-94. | 1.2 | 81 |
| 38 | Developmental predisposition to cancer. <i>Nature</i> , 2003, 422, 494-494. | 27.8 | 81 |
| 39 | Input-output relations in biological systems: measurement, information and the Hill equation. <i>Biology Direct</i> , 2013, 8, 31. | 4.6 | 77 |
| 40 | EVOLUTION OF HOST-PARASITE DIVERSITY. <i>Evolution; International Journal of Organic Evolution</i> , 1993, 47, 1721-1732. | 2.3 | 74 |
| 41 | Sex ratio under conditional sex expression. <i>Journal of Theoretical Biology</i> , 1988, 135, 415-418. | 1.7 | 73 |
| 42 | A general model of the public goods dilemma. <i>Journal of Evolutionary Biology</i> , 2010, 23, 1245-1250. | 1.7 | 73 |
| 43 | DEMOGRAPHY AND SEX RATIO IN SOCIAL SPIDERS. <i>Evolution; International Journal of Organic Evolution</i> , 1987, 41, 1267-1281. | 2.3 | 72 |
| 44 | 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, 1071-1075. | 7.1 | 72 |
| 45 | The Origin of Synergistic Symbiosis. <i>Journal of Theoretical Biology</i> , 1995, 176, 403-410. | 1.7 | 69 |
| 46 | All of life is social. <i>Current Biology</i> , 2007, 17, R648-R650. | 3.9 | 68 |
| 47 | Multivariate Analysis of Correlated Selection and Kin Selection, with an ESS Maximization Method. <i>Journal of Theoretical Biology</i> , 1997, 189, 307-316. | 1.7 | 67 |
| 48 | Quantifying Interhospital Patient Sharing as a Mechanism for Infectious Disease Spread. <i>Infection Control and Hospital Epidemiology</i> , 2010, 31, 1160-1169. | 1.8 | 65 |
| 49 | The genetic value of sons and daughters. <i>Heredity</i> , 1986, 56, 351-354. | 2.6 | 63 |
| 50 | Dynamics of Cytoplasmic Incompatibility with Multiple Wolbachial Infections. <i>Journal of Theoretical Biology</i> , 1998, 192, 213-218. | 1.7 | 63 |
| 51 | Statistical properties of polymorphism in host-parasite genetics. <i>Evolutionary Ecology</i> , 1996, 10, 307-317. | 1.2 | 62 |
| 52 | Spatial variation in coevolutionary dynamics. <i>Evolutionary Ecology</i> , 1991, 5, 193-217. | 1.2 | 61 |
| 53 | Somatic selection for and against cancer. <i>Journal of Theoretical Biology</i> , 2003, 225, 377-382. | 1.7 | 61 |
| 54 | The Design of Adaptive Systems: Optimal Parameters for Variation and Selection in Learning and Development. <i>Journal of Theoretical Biology</i> , 1997, 184, 31-39. | 1.7 | 59 |

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|----|--|-----|-----------|
| 55 | Age-Specific Acceleration of Cancer. <i>Current Biology</i> , 2004, 14, 242-246. | 3.9 | 59 |
| 56 | Host Control of Symbiont Transmission: The Separation of Symbionts Into Germ and Soma. <i>American Naturalist</i> , 1996, 148, 1113-1124. | 2.1 | 59 |
| 57 | Natural selection. I. Variable environments and uncertain returns on investment*. <i>Journal of Evolutionary Biology</i> , 2011, 24, 2299-2309. | 1.7 | 56 |
| 58 | Patterns of Cell Division and the Risk of Cancer. <i>Genetics</i> , 2003, 163, 1527-1532. | 2.9 | 56 |
| 59 | Nonheritable Cellular Variability Accelerates the Evolutionary Processes of Cancer. <i>PLoS Biology</i> , 2012, 10, e1001296. | 5.6 | 55 |
| 60 | Within-host Spatial Dynamics of Viruses and Defective Interfering Particles. <i>Journal of Theoretical Biology</i> , 2000, 206, 279-290. | 1.7 | 54 |
| 61 | Specific and Non-specific Defense against Parasitic Attack. <i>Journal of Theoretical Biology</i> , 2000, 202, 283-304. | 1.7 | 53 |
| 62 | Natural selection. II. Developmental variability and evolutionary rate*. <i>Journal of Evolutionary Biology</i> , 2011, 24, 2310-2320. | 1.7 | 52 |
| 63 | Natural selection. III. Selection versus transmission and the levels of selection*. <i>Journal of Evolutionary Biology</i> , 2012, 25, 227-243. | 1.7 | 51 |
| 64 | Polymorphism of attack and defense. <i>Trends in Ecology and Evolution</i> , 2000, 15, 167-171. | 8.7 | 50 |
| 65 | Somatic Mosaicism and Disease. <i>Current Biology</i> , 2014, 24, R577-R581. | 3.9 | 50 |
| 66 | Stochastic elimination of cancer cells. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2003, 270, 2017-2024. | 2.6 | 49 |
| 67 | The trade-off between rate and yield in the design of microbial metabolism. <i>Journal of Evolutionary Biology</i> , 2010, 23, 609-613. | 1.7 | 49 |
| 68 | Population and Quantitative Genetics of Regulatory Networks. <i>Journal of Theoretical Biology</i> , 1999, 197, 281-294. | 1.7 | 46 |
| 69 | 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, 10886-10893. | 7.1 | 42 |
| 70 | Cytoplasmic Incompatibility and Population Structure. <i>Journal of Theoretical Biology</i> , 1997, 184, 327-330. | 1.7 | 41 |
| 71 | Maladaptation and the Paradox of Robustness in Evolution. <i>PLoS ONE</i> , 2007, 2, e1021. | 2.5 | 41 |
| 72 | A MODEL OF INDUCIBLE DEFENSE. <i>Evolution; International Journal of Organic Evolution</i> , 1993, 47, 325-327. | 2.3 | 40 |

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|----|--|-----|-----------|
| 73 | Within-host dynamics of antigenic variation. <i>Infection, Genetics and Evolution</i> , 2006, 6, 141-146. | 2.3 | 37 |
| 74 | 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, 1397-1401. | 2.6 | 36 |
| 75 | Problems inferring the specificity of plant-pathogen genetics. <i>Evolutionary Ecology</i> , 1996, 10, 323-325. | 1.2 | 35 |
| 76 | Multiplicity of infection and the evolution of hybrid incompatibility in segmented viruses. <i>Heredity</i> , 2001, 87, 522-529. | 2.6 | 34 |
| 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, 8061-8065. | 7.1 | 34 |
| 78 | Generative models versus underlying symmetries to explain biological pattern. <i>Journal of Evolutionary Biology</i> , 2014, 27, 1172-1178. | 1.7 | 34 |
| 79 | The distribution of allelic effects under mutation and selection. <i>Genetical Research</i> , 1990, 55, 111-117. | 0.9 | 32 |
| 80 | Genetic variation of polygenic characters and the evolution of genetic degeneracy. <i>Journal of Evolutionary Biology</i> , 2003, 16, 138-142. | 1.7 | 32 |
| 81 | Measurement Invariance, Entropy, and Probability. <i>Entropy</i> , 2010, 12, 289-303. | 2.2 | 32 |
| 82 | HALDANE'S RULE: A DEFENSE OF THE MEIOTIC DRIVE THEORY. <i>Evolution; International Journal of Organic Evolution</i> , 1991, 45, 1714-1717. | 2.3 | 30 |
| 83 | Somatic mosaicism and cancer: inference based on a conditional Luria-Delbrück distribution. <i>Journal of Theoretical Biology</i> , 2003, 223, 405-412. | 1.7 | 28 |
| 84 | A simple derivation and classification of common probability distributions based on information symmetry and measurement scale. <i>Journal of Evolutionary Biology</i> , 2011, 24, 469-484. | 1.7 | 28 |
| 85 | Sex Allocation in Solitary Bees and Wasps. <i>American Naturalist</i> , 1995, 146, 316-323. | 2.1 | 27 |
| 86 | Immune Response to Parasitic Attack: Evolution of a Pulsed Character. <i>Journal of Theoretical Biology</i> , 2002, 219, 281-290. | 1.7 | 27 |
| 87 | Wright's Adaptive Landscape Versus Fisher's Fundamental Theorem. , 2013, , 41-57. | | 24 |
| 88 | Barriers to antigenic escape by pathogens: trade-off between reproductive rate and antigenic mutability. <i>BMC Evolutionary Biology</i> , 2007, 7, 229. | 3.2 | 23 |
| 89 | Demography and the tragedy of the commons. <i>Journal of Evolutionary Biology</i> , 2010, 23, 32-39. | 1.7 | 23 |
| 90 | Microbial secretor-cheater dynamics. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2010, 365, 2515-2522. | 4.0 | 23 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 91 | Sexual antagonism leads to a mosaic of X-chromosome conflict. <i>Evolution; International Journal of Organic Evolution</i> , 2020, 74, 495-498. | 2.3 | 23 |
| 92 | A Hierarchical View of Sex-Ratio Patterns. <i>Florida Entomologist</i> , 1983, 66, 42. | 0.5 | 22 |
| 93 | Measurement scale in maximum entropy models of species abundance. <i>Journal of Evolutionary Biology</i> , 2011, 24, 485-496. | 1.7 | 22 |
| 94 | Evolution: Mitochondrial Burden on Male Health. <i>Current Biology</i> , 2012, 22, R797-R799. | 3.9 | 21 |
| 95 | Evolution of Robustness and Cellular Stochasticity of Gene Expression. <i>PLoS Biology</i> , 2013, 11, e1001578. | 5.6 | 21 |
| 96 | Somatic Mutation: Early Cancer Steps Depend on Tissue Architecture. <i>Current Biology</i> , 2003, 13, R261-R263. | 3.9 | 20 |
| 97 | How to Read Probability Distributions as Statements about Process. <i>Entropy</i> , 2014, 16, 6059-6098. | 2.2 | 20 |
| 98 | The Price Equation Program: Simple Invariances Unify Population Dynamics, Thermodynamics, Probability, Information and Inference. <i>Entropy</i> , 2018, 20, 978. | 2.2 | 20 |
| 99 | A Model of Inducible Defense. <i>Evolution; International Journal of Organic Evolution</i> , 1993, 47, 325. | 2.3 | 19 |
| 100 | Natural selection. VI. Partitioning the information in fitness and characters by path analysis. <i>Journal of Evolutionary Biology</i> , 2013, 26, 457-471. | 1.7 | 18 |
| 101 | A multistage theory of age-specific acceleration in human mortality. <i>BMC Biology</i> , 2004, 2, 16. | 3.8 | 17 |
| 102 | Are Mating and Mate Competition by the Fig Wasp <i>Pegoscapus assuetus</i> (Agaonidae) Random within a Fig?. <i>Biotropica</i> , 1985, 17, 170. | 1.6 | 16 |
| 103 | Developmental selection and self-organization. <i>BioSystems</i> , 1997, 40, 237-243. | 2.0 | 16 |
| 104 | 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. | 1.9 | 16 |
| 105 | POLYMORPHISM OF BACTERIAL RESTRICTION-MODIFICATION SYSTEMS: THE ADVANTAGE OF DIVERSITY. <i>Evolution; International Journal of Organic Evolution</i> , 1994, 48, 1470-1477. | 2.3 | 15 |
| 106 | The probability of severe disease in zoonotic and commensal infections. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2001, 268, 53-60. | 2.6 | 15 |
| 107 | Weapons and fighting in fig wasps. <i>Trends in Ecology and Evolution</i> , 1987, 2, 259-260. | 8.7 | 14 |
| 108 | Programmed Cell Death and Hybrid Incompatibility. , 2003, 94, 181-183. | | 13 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 109 | Microbial Evolution: Regulatory Design Prevents Cancer-like Overgrowths. <i>Current Biology</i> , 2013, 23, R343-R346. | 3.9 | 13 |
| 110 | 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. | 7.1 | 12 |
| 111 | Evolution of negative immune regulators. <i>PLoS Pathogens</i> , 2019, 15, e1007913. | 4.7 | 10 |
| 112 | When to copy or avoid an opponent's strategy. <i>Journal of Theoretical Biology</i> , 1990, 145, 41-46. | 1.7 | 9 |
| 113 | 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. | 1.7 | 9 |
| 114 | The Generalized Price Equation: Forces That Change Population Statistics. <i>Frontiers in Ecology and Evolution</i> , 2020, 8, . | 2.2 | 9 |
| 115 | A TOUCHSTONE IN THE STUDY OF ADAPTATION. <i>Evolution; International Journal of Organic Evolution</i> , 2002, 56, 2561-2564. | 2.3 | 8 |
| 116 | Evolutionary Foundations of Cooperation and Group Cohesion. <i>Springer Series in Game Theory</i> , 2009, , 3-40. | 0.2 | 8 |
| 117 | Commentary: Mathematical models of cancer progression and epidemiology in the age of high throughput genomics. <i>International Journal of Epidemiology</i> , 2004, 33, 1179-1181. | 1.9 | 7 |
| 118 | Evolutionary dynamics of redundant regulatory control. <i>Journal of Theoretical Biology</i> , 2008, 255, 64-68. | 1.7 | 7 |
| 119 | Increasing resource specialization among competitors shifts control of diversity from local to spatial processes. <i>Ecology Letters</i> , 1998, 1, 3-5. | 6.4 | 7 |
| 120 | The invariances of power law size distributions. <i>F1000Research</i> , 2016, 5, 2074. | 1.6 | 7 |
| 121 | The invariances of power law size distributions. <i>F1000Research</i> , 2016, 5, 2074. | 1.6 | 7 |
| 122 | The Fundamental Equations of Change in Statistical Ensembles and Biological Populations. <i>Entropy</i> , 2020, 22, 1395. | 2.2 | 6 |
| 123 | Increasing resource specialization among competitors shifts control of diversity from local to spatial processes. <i>Ecology Letters</i> , 1998, 1, 3-5. | 6.4 | 6 |
| 124 | Microbial metabolism: optimal control of uptake versus synthesis. <i>PeerJ</i> , 2014, 2, e267. | 2.0 | 6 |
| 125 | Receptor uptake arrays for vitamin B ₁₂ , siderophores, and glycans shape bacterial communities. <i>Ecology and Evolution</i> , 2017, 7, 10175-10195. | 1.9 | 5 |
| 126 | Evolutionary design of regulatory control. I. A robust control theory analysis of tradeoffs. <i>Journal of Theoretical Biology</i> , 2019, 463, 121-137. | 1.7 | 5 |

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|-----|---|-----|-----------|
| 127 | Puzzles in modern biology. V. Why are genomes overwired?. F1000Research, 2017, 6, 924. | 1.6 | 5 |
| 128 | A biochemical logarithmic sensor with broad dynamic range. F1000Research, 2018, 7, 200. | 1.6 | 5 |
| 129 | The common patterns of abundance: the log series and Zipf's law. F1000Research, 2019, 8, 334. | 1.6 | 5 |
| 130 | Puzzles in modern biology. V. Why are genomes overwired?. F1000Research, 2017, 6, 924. | 1.6 | 5 |
| 131 | The Male-Female Pay Gap Driven by Coupling between Labor Markets and Mating Markets. Journal of Bioeconomics, 2006, 8, 269-274. | 3.3 | 4 |
| 132 | Commentary: The nature of cancer research. International Journal of Epidemiology, 2016, 45, 638-645. | 1.9 | 4 |
| 133 | Developmental Mutators and Early Onset Cancer. Frontiers in Pediatrics, 2020, 8, 189. | 1.9 | 4 |
| 134 | Invariance in ecological pattern. F1000Research, 2019, 8, 2093. | 1.6 | 4 |
| 135 | Invariant death. F1000Research, 2016, 5, 2076. | 1.6 | 4 |
| 136 | Age-specific acceleration in malignant melanoma. F1000Research, 2017, 6, 27. | 1.6 | 4 |
| 137 | Kinetics of cancer: a method to test hypotheses of genetic causation. BMC Cancer, 2005, 5, 163. | 2.6 | 3 |
| 138 | Metabolic Heat in Microbial Conflict and Cooperation. Frontiers in Ecology and Evolution, 2020, 8, . | 2.2 | 3 |
| 139 | Simple unity among the fundamental equations of science. Philosophical Transactions of the Royal Society B: Biological Sciences, 2020, 375, 20190351. | 4.0 | 3 |
| 140 | Recognition and polymorphism in host-parasite genetics. , 1997, , 13-23. | | 3 |
| 141 | Age-specific acceleration in malignant melanoma. F1000Research, 2017, 6, 27. | 1.6 | 3 |
| 142 | Puzzles in modern biology. IV. Neurodegeneration, localized origin and widespread decay. F1000Research, 2016, 5, 2537. | 1.6 | 3 |
| 143 | A biochemical logarithmic sensor with broad dynamic range. F1000Research, 2018, 7, 200. | 1.6 | 3 |
| 144 | Evolution and immunology of infectious diseases: what's new?. Infection, Genetics and Evolution, 2004, 4, 69-75. | 2.3 | 2 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 145 | The Inductive Theory of Natural Selection. SSRN Electronic Journal, 2014, , . | 0.4 | 2 |
| 146 | How to Understand Behavioral Patterns in Big Data: The Case of Human Collective Memory. Behavioral Sciences (Basel, Switzerland), 2019, 9, 40. | 2.1 | 2 |
| 147 | How to Read Probability Distributions as Statements About Process. SSRN Electronic Journal, 0, , . | 0.4 | 2 |
| 148 | Puzzles in modern biology. II. Language, cancer and the recursive processes of evolutionary innovation. F1000Research, 2016, 5, 2289. | 1.6 | 2 |
| 149 | Inheritance of cancer. Discovery Medicine, 2004, 4, 396-400. | 0.5 | 2 |
| 150 | Puzzles in modern biology. III. Two kinds of causality in age-related disease. F1000Research, 2016, 5, 2533. | 1.6 | 1 |
| 151 | Puzzles in modern biology. III. Two kinds of causality in age-related disease. F1000Research, 2016, 5, 2533. | 1.6 | 1 |
| 152 | Evolution of Antigenic Variation. , 0, , 225-242. | | 0 |
| 153 | Universal Expressions of Population Change by the Price Equation: Natural Selection, Information, and Maximum Entropy Production. SSRN Electronic Journal, 0, , . | 0.4 | 0 |
| 154 | Puzzles in modern biology. I. Male sterility, failure reveals design. F1000Research, 2016, 5, 2288. | 1.6 | 0 |
| 155 | Occupational Immunity and Natural Vaccination. SSRN Electronic Journal, 0, , . | 0.4 | 0 |
| 156 | How to Understand Common Patterns in Big Data: The Case of Human Collective Memory. SSRN Electronic Journal, 0, , . | 0.4 | 0 |