

# Dominik Wodarz

## List of Publications by Citations

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157  
papers

4,920  
citations

38  
h-index

64  
g-index

174  
ext. papers

5,658  
ext. citations

5.6  
avg, IF

5.96  
L-index

#	Paper	IF	Citations
157	Drug resistance in cancer: principles of emergence and prevention. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2005</b> , 102, 9714-9	11.5	300
156	Role of CD8(+) lymphocytes in control of simian immunodeficiency virus infection and resistance to rechallenge after transient early antiretroviral treatment. <i>Journal of Virology</i> , <b>2001</b> , 75, 10187-99	6.6	247
155	Compromised influenza virus-specific CD8(+)-T-cell memory in CD4(+)-T-cell-deficient mice. <i>Journal of Virology</i> , <b>2002</b> , 76, 12388-93	6.6	239
154	Mathematical models of HIV pathogenesis and treatment. <i>BioEssays</i> , <b>2002</b> , 24, 1178-87	4.1	182
153	Curcumin mediates chemosensitization to 5-fluorouracil through miRNA-induced suppression of epithelial-to-mesenchymal transition in chemoresistant colorectal cancer. <i>Carcinogenesis</i> , <b>2015</b> , 36, 355-67	4.6	157
152	Containment of simian immunodeficiency virus infection: cellular immune responses and protection from rechallenge following transient postinoculation antiretroviral treatment. <i>Journal of Virology</i> , <b>2000</b> , 74, 2584-93	6.6	143
151	Multiploid inheritance of HIV-1 during cell-to-cell infection. <i>Journal of Virology</i> , <b>2011</b> , 85, 7169-76	6.6	129
150	Hepatitis C virus dynamics and pathology: the role of CTL and antibody responses. <i>Journal of General Virology</i> , <b>2003</b> , 84, 1743-1750	4.9	119
149	The importance of lytic and nonlytic immune responses in viral infections. <i>Trends in Immunology</i> , <b>2002</b> , 23, 194-200	14.4	107
148	Persistent virus infection despite chronic cytotoxic T-lymphocyte activation in gamma interferon-deficient mice infected with lymphocytic choriomeningitis virus. <i>Journal of Virology</i> , <b>2000</b> , 74, 10304-11	6.6	105
147	Evolutionary dynamics of feedback escape and the development of stem-cell-driven cancers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, 18983-8	11.5	89
146	ODE models for oncolytic virus dynamics. <i>Journal of Theoretical Biology</i> , <b>2010</b> , 263, 530-43	2.3	81
145	The role of antigen-independent persistence of memory cytotoxic T lymphocytes. <i>International Immunology</i> , <b>2000</b> , 12, 467-77	4.9	79
144	Tumor growth dynamics: insights into evolutionary processes. <i>Trends in Ecology and Evolution</i> , <b>2013</b> , 28, 597-604	10.9	77
143	Virus dynamics: the effect of target cell limitation and immune responses on virus evolution. <i>Journal of Theoretical Biology</i> , <b>1998</b> , 191, 451-62	2.3	76
142	Helper-dependent vs. helper-independent CTL responses in HIV infection: implications for drug therapy and resistance. <i>Journal of Theoretical Biology</i> , <b>2001</b> , 213, 447-59	2.3	75
141	Evolution of ibrutinib resistance in chronic lymphocytic leukemia (CLL). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, 13906-11	11.5	72

140	The dynamics of HTLV-I and the CTL response. <i>Trends in Immunology</i> , <b>1999</b> , 20, 220-7		72
139	Kinetics of CLL cells in tissues and blood during therapy with the BTK inhibitor ibrutinib. <i>Blood</i> , <b>2014</b> , 123, 4132-5	2.2	70
138	Direct quantitation of rapid elimination of viral antigen-positive lymphocytes by antiviral CD8(+) T cells in vivo. <i>European Journal of Immunology</i> , <b>2000</b> , 30, 1356-63	6.1	69
137	A new theory of cytotoxic T-lymphocyte memory: implications for HIV treatment. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , <b>2000</b> , 355, 329-43	5.8	67
136	The optimal rate of chromosome loss for the inactivation of tumor suppressor genes in cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2004</b> , 101, 7017-21	11.5	66
135	Dynamics of macrophage and T cell infection by HIV. <i>Journal of Theoretical Biology</i> , <b>1999</b> , 196, 101-13	2.3	66
134	InVivo HIV-1 Cell-to-Cell Transmission Promotes Multicopy Micro-compartmentalized Infection. <i>Cell Reports</i> , <b>2016</b> , 15, 2771-83	10.6	64
133	Dynamics of cytotoxic T-lymphocyte exhaustion. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>1998</b> , 265, 191-203	4.4	63
132	Effect of cellular quiescence on the success of targeted CML therapy. <i>PLoS ONE</i> , <b>2007</b> , 2, e990	3.7	60
131	Dynamics of Cancer <b>2014</b> ,		58
130	Leukemia cell proliferation and death in chronic lymphocytic leukemia patients on therapy with the BTK inhibitor ibrutinib. <i>JCI Insight</i> , <b>2017</b> , 2, e89904	9.9	57
129	Gene therapy for killing p53-negative cancer cells: use of replicating versus nonreplicating agents. <i>Human Gene Therapy</i> , <b>2003</b> , 14, 153-9	4.8	57
128	Towards predictive computational models of oncolytic virus therapy: basis for experimental validation and model selection. <i>PLoS ONE</i> , <b>2009</b> , 4, e4271	3.7	56
127	Boosting immunity by antiviral drug therapy: a simple relationship among timing, efficacy, and success. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2003</b> , 100, 1855-60	11.5	51
126	Complex spatial dynamics of oncolytic viruses in vitro: mathematical and experimental approaches. <i>PLoS Computational Biology</i> , <b>2012</b> , 8, e1002547	5	46
125	Cytotoxic T-cell abundance and virus load in human immunodeficiency virus type 1 and human T-cell leukaemia virus type 1. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2001</b> , 268, 1215-21	4.4	46
124	Virus dynamics in the presence of synaptic transmission. <i>Mathematical Biosciences</i> , <b>2013</b> , 242, 161-71	3.9	45
123	Combination of two but not three current targeted drugs can improve therapy of chronic myeloid leukemia. <i>PLoS ONE</i> , <b>2009</b> , 4, e4423	3.7	41

122	The role of T cell help for anti-viral CTL responses. <i>Journal of Theoretical Biology</i> , <b>2001</b> , 211, 419-32	2.3	41
121	HIV-1 latency and virus production from unintegrated genomes following direct infection of resting CD4 T cells. <i>Retrovirology</i> , <b>2016</b> , 13, 1	3.6	40
120	Relative contribution of free-virus and synaptic transmission to the spread of HIV-1 through target cell populations. <i>Biology Letters</i> , <b>2013</b> , 9, 20121049	3.6	40
119	Effect of stem cell turnover rates on protection against cancer and aging. <i>Journal of Theoretical Biology</i> , <b>2007</b> , 245, 449-58	2.3	36
118	Genetic control and dynamics of the cellular immune response to the human T-cell leukaemia virus, HTLV-I. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , <b>1999</b> , 354, 691-700	5.8	36
117	Can loss of apoptosis protect against cancer?. <i>Trends in Genetics</i> , <b>2007</b> , 23, 232-7	8.5	35
116	Stochastic modeling of cellular colonies with quiescence: an application to drug resistance in cancer. <i>Theoretical Population Biology</i> , <b>2007</b> , 72, 523-38	1.2	35
115	Defining CTL-induced pathology: implications for HIV. <i>Virology</i> , <b>2000</b> , 274, 94-104	3.6	34
114	Mathematical models of immune effector responses to viral infections: Virus control versus the development of pathology. <i>Journal of Computational and Applied Mathematics</i> , <b>2005</b> , 184, 301-319	2.4	31
113	CD8 memory, immunodominance, and antigenic escape. <i>European Journal of Immunology</i> , <b>2000</b> , 30, 2704-12	4.1	31
112	Evolutionary dynamics of HTLV-I. <i>Journal of Molecular Evolution</i> , <b>2000</b> , 50, 448-55	3.1	31
111	Patterns of the COVID-19 pandemic spread around the world: exponential versus power laws. <i>Journal of the Royal Society Interface</i> , <b>2020</b> , 17, 20200518	4.1	30
110	An HIV-1 replication pathway utilizing reverse transcription products that fail to integrate. <i>Journal of Virology</i> , <b>2013</b> , 87, 12701-20	6.6	29
109	Effect of the CTL proliferation program on virus dynamics. <i>International Immunology</i> , <b>2005</b> , 17, 1269-76	4.9	28
108	Synaptic transmission and the susceptibility of HIV infection to anti-viral drugs. <i>Scientific Reports</i> , <b>2013</b> , 3, 2103	4.9	27
107	Transient antiretroviral treatment during acute simian immunodeficiency virus infection facilitates long-term control of the virus. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , <b>2000</b> , 355, 1021-9	5.8	27
106	Evolutionary dynamics of mutator phenotypes in cancer: implications for chemotherapy. <i>Cancer Research</i> , <b>2003</b> , 63, 6635-42	10.1	27
105	Complex role of space in the crossing of fitness valleys by asexual populations. <i>Journal of the Royal Society Interface</i> , <b>2014</b> , 11, 20140014	4.1	26

104	Minimizing the risk of cancer: tissue architecture and cellular replication limits. <i>Journal of the Royal Society Interface</i> , <b>2013</b> , 10, 20130410	4.1	26
103	Combination therapies against chronic myeloid leukemia: short-term versus long-term strategies. <i>Cancer Research</i> , <b>2009</b> , 69, 4904-10	10.1	26
102	Effect of different modes of viral spread on the dynamics of multiply infected cells in human immunodeficiency virus infection. <i>Journal of the Royal Society Interface</i> , <b>2011</b> , 8, 289-300	4.1	26
101	Immune responses and the emergence of drug-resistant virus strains in vivo. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2004</b> , 271, 1101-9	4.4	26
100	Immune Responses and Viral Phenotype: Do Replication Rate and Cytopathogenicity Influence Virus Load?. <i>Journal of Theoretical Medicine</i> , <b>2000</b> , 2, 113-127		26
99	Stem cell control, oscillations, and tissue regeneration in spatial and non-spatial models. <i>Frontiers in Oncology</i> , <b>2013</b> , 3, 82	5.3	25
98	Quantitative analysis of long-term virus-specific CD8+-T-cell memory in mice challenged with unrelated pathogens. <i>Journal of Virology</i> , <b>2003</b> , 77, 7756-63	6.6	25
97	Aspirin-Induced Chemoprevention and Response Kinetics Are Enhanced by PIK3CA Mutations in Colorectal Cancer Cells. <i>Cancer Prevention Research</i> , <b>2017</b> , 10, 208-218	3.2	23
96	Human immunodeficiency virus evolution towards reduced replicative fitness in vivo and the development of AIDS. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2007</b> , 274, 2481-90	4.4	23
95	Infection dynamics in HIV-specific CD4 T cells: does a CD4 T cell boost benefit the host or the virus?. <i>Mathematical Biosciences</i> , <b>2007</b> , 209, 14-29	3.9	23
94	Ecological and evolutionary principles in immunology. <i>Ecology Letters</i> , <b>2006</b> , 9, 694-705	10	22
93	Host factors influencing viral persistence. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , <b>2000</b> , 355, 1031-41	5.8	22
92	Early infection and spread of a conditionally replicating adenovirus under conditions of plaque formation. <i>Virology</i> , <b>2012</b> , 423, 89-96	3.6	21
91	Effect of synaptic transmission on viral fitness in HIV infection. <i>PLoS ONE</i> , <b>2012</b> , 7, e48361	3.7	21
90	Emergence and prevention of resistance against small molecule inhibitors. <i>Seminars in Cancer Biology</i> , <b>2005</b> , 15, 506-14	12.7	21
89	Depletion of CD4+ T cells precipitates immunopathology in immunodeficient mice infected with a noncytotoxic virus. <i>Journal of Immunology</i> , <b>2001</b> , 166, 3384-91	5.3	21
88	Model-driven approaches for in vitro combination therapy using ONYX-015 replicating oncolytic adenovirus. <i>Journal of Theoretical Biology</i> , <b>2007</b> , 245, 1-8	2.3	19
87	Passenger mutations can accelerate tumour suppressor gene inactivation in cancer evolution. <i>Journal of the Royal Society Interface</i> , <b>2018</b> , 15,	4.1	18

86	Does programmed CTL proliferation optimize virus control?. <i>Trends in Immunology</i> , <b>2005</b> , 26, 305-10	14.4	18
85	Complex Dynamics of Virus Spread from Low Infection Multiplicities: Implications for the Spread of Oncolytic Viruses. <i>PLoS Computational Biology</i> , <b>2017</b> , 13, e1005241	5	18
84	Computational modeling approaches to the dynamics of oncolytic viruses. <i>Wiley Interdisciplinary Reviews: Systems Biology and Medicine</i> , <b>2016</b> , 8, 242-52	6.6	18
83	Multiple HIV-1 infection of cells and the evolutionary dynamics of cytotoxic T lymphocyte escape mutants. <i>Evolution; International Journal of Organic Evolution</i> , <b>2009</b> , 63, 2326-39	3.8	17
82	A dynamical perspective of CTL cross-priming and regulation: implications for cancer immunology. <i>Immunology Letters</i> , <b>2003</b> , 86, 213-27	4.1	17
81	Dynamics of cellular responses to radiation. <i>PLoS Computational Biology</i> , <b>2014</b> , 10, e1003513	5	16
80	Stem cell regulation and the development of blast crisis in chronic myeloid leukemia: Implications for the outcome of Imatinib treatment and discontinuation. <i>Medical Hypotheses</i> , <b>2008</b> , 70, 128-36	3.8	16
79	Dynamics of killer T cell inflation in viral infections. <i>Journal of the Royal Society Interface</i> , <b>2007</b> , 4, 533-43	4.1	16
78	Cancer-associated mutations in healthy individuals: assessing the risk of carcinogenesis. <i>Cancer Research</i> , <b>2014</b> , 74, 1661-9	10.1	15
77	Use of oncolytic viruses for the eradication of drug-resistant cancer cells. <i>Journal of the Royal Society Interface</i> , <b>2009</b> , 6, 179-86	4.1	15
76	Perforin and IFN-gamma do not significantly regulate the virus-specific CD8+ T cell response in the absence of antiviral effector activity. <i>European Journal of Immunology</i> , <b>2004</b> , 34, 1389-94	6.1	15
75	Modeling multiple infection of cells by viruses: Challenges and insights. <i>Mathematical Biosciences</i> , <b>2015</b> , 264, 21-8	3.9	14
74	Preventing clonal evolutionary processes in cancer: Insights from mathematical models. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 8843-50	11.5	14
73	Cancer: Risk factors and random chances. <i>Nature</i> , <b>2015</b> , 517, 563-4	50.4	14
72	Evolutionary dynamics of giant viruses and their virophages. <i>Ecology and Evolution</i> , <b>2013</b> , 3, 2103-15	2.8	14
71	Evolutionary dynamics of HIV-induced subversion of the immune response. <i>Immunological Reviews</i> , <b>1999</b> , 168, 75-89	11.3	14
70	Genetic instability and the evolution of angiogenic tumor cell lines (review). <i>Oncology Reports</i> , <b>2001</b> , 8, 1195-201	3.5	14
69	On the laws of virus spread through cell populations. <i>Journal of Virology</i> , <b>2014</b> , 88, 13240-8	6.6	13

68	Increased burst size in multiply infected cells can alter basic virus dynamics. <i>Biology Direct</i> , <b>2012</b> , 7, 16	7.2	13
67	Cellular Hierarchy as a Determinant of Tumor Sensitivity to Chemotherapy. <i>Cancer Research</i> , <b>2017</b> , 77, 2231-2241	10.1	12
66	Infection of HIV-specific CD4 T helper cells and the clonal composition of the response. <i>Journal of Theoretical Biology</i> , <b>2012</b> , 304, 143-51	2.3	12
65	Correlates of cytotoxic T-lymphocyte-mediated virus control: implications for immunosuppressive infections and their treatment. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , <b>2000</b> , 355, 1059-70	5.8	12
64	Targeted Cancer Treatment in Silico. <i>Modeling and Simulation in Science, Engineering and Technology</i> , <b>2014</b> ,	0.8	11
63	Heterogeneity in chronic myeloid leukaemia dynamics during imatinib treatment: role of immune responses. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2010</b> , 277, 1875-80	4.4	11
62	Computational modeling approaches to studying the dynamics of oncolytic viruses. <i>Mathematical Biosciences and Engineering</i> , <b>2013</b> , 10, 939-57	2.1	11
61	Modeling T cell responses to antigenic challenge. <i>Journal of Pharmacokinetics and Pharmacodynamics</i> , <b>2014</b> , 41, 415-29	2.7	10
60	Contrasting B cell- and T cell-based protective vaccines. <i>Journal of Theoretical Biology</i> , <b>2005</b> , 234, 39-48	2.3	10
59	Characterizing inhibited tumor growth in stem-cell-driven non-spatial cancers. <i>Mathematical Biosciences</i> , <b>2015</b> , 270, 135-41	3.9	9
58	Accelerated crossing of fitness valleys through division of labor and cheating in asexual populations. <i>Scientific Reports</i> , <b>2012</b> , 2, 917	4.9	9
57	Patterns of the COVID19 pandemic spread around the world: exponential vs power laws		9
56	Determining the role of inflammation in the selection of JAK2 mutant cells in myeloproliferative neoplasms. <i>Journal of Theoretical Biology</i> , <b>2017</b> , 425, 43-52	2.3	8
55	New virus dynamics in the presence of multiple infection. <i>Journal of Theoretical Biology</i> , <b>2015</b> , 377, 98-109	2.3	8
54	Pyroptosis, superinfection, and the maintenance of the latent reservoir in HIV-1 infection. <i>Scientific Reports</i> , <b>2017</b> , 7, 3834	4.9	7
53	Effect of cellular de-differentiation on the dynamics and evolution of tissue and tumor cells in mathematical models with feedback regulation. <i>Journal of Theoretical Biology</i> , <b>2018</b> , 448, 86-93	2.3	7
52	Timing of CD8 T cell effector responses in viral infections. <i>Royal Society Open Science</i> , <b>2016</b> , 3, 150661	3.3	7
51	Methylation kinetics and CpG-island methylator phenotype status in colorectal cancer cell lines. <i>Biology Direct</i> , <b>2013</b> , 8, 14	7.2	7

50	Effect of multiple infection of cells on the evolutionary dynamics of HIV in vivo: implications for host adaptation mechanisms. <i>Experimental Biology and Medicine</i> , <b>2011</b> , 236, 926-37	3.7	7
49	Nearest-neighbor interactions, habitat fragmentation, and the persistence of host-pathogen systems. <i>American Naturalist</i> , <b>2013</b> , 182, E94-E111	3.7	6
48	Immunity and protection by live attenuated HIV/SIV vaccines. <i>Virology</i> , <b>2008</b> , 378, 299-305	3.6	6
47	On the relative fitness of early and late stage Simian immunodeficiency virus isolates. <i>Theoretical Population Biology</i> , <b>2007</b> , 72, 426-35	1.2	6
46	On the emergence of multifocal cancers. <i>Journal of Carcinogenesis</i> , <b>2004</b> , 3, 13	1.9	6
45	Apparent competition and recovery from infection. <i>Journal of Theoretical Biology</i> , <b>2004</b> , 227, 403-12	2.3	6
44	Effect of aspirin on tumour cell colony formation and evolution. <i>Journal of the Royal Society Interface</i> , <b>2017</b> , 14,	4.1	5
43	Effect of cell cycle duration on somatic evolutionary dynamics. <i>Evolutionary Applications</i> , <b>2017</b> , 10, 1121-1129	4.329	5
42	Treatment interruptions to decrease risk of resistance emerging during therapy switching in HIV treatment <b>2007</b> ,		5
41	A comprehensive in vivo and mathematic modeling-based kinetic characterization for aspirin-induced chemoprevention in colorectal cancer. <i>Carcinogenesis</i> , <b>2020</b> , 41, 751-760	4.6	5
40	Mutant Evolution in Spatially Structured and Fragmented Expanding Populations. <i>Genetics</i> , <b>2020</b> , 216, 191-203	4	5
39	The role of telomere shortening in carcinogenesis: A hybrid stochastic-deterministic approach. <i>Journal of Theoretical Biology</i> , <b>2019</b> , 460, 144-152	2.3	5
38	Multiple infection of cells changes the dynamics of basic viral evolutionary processes. <i>Evolution Letters</i> , <b>2019</b> , 3, 104-115	5.3	4
37	Dependence of the firearm-related homicide rate on gun availability: a mathematical analysis. <i>PLoS ONE</i> , <b>2013</b> , 8, e71606	3.7	4
36	Checkpoint genes, ageing, and the development of cancer. <i>Oncogene</i> , <b>2004</b> , 23, 7799-809	9.2	4
35	Role of high-dose exposure in transmission hot zones as a driver of SARS-CoV-2 dynamics. <i>Journal of the Royal Society Interface</i> , <b>2021</b> , 18, 20200916	4.1	4
34	Virus and CTL dynamics in the extrafollicular and follicular tissue compartments in SIV-infected macaques. <i>PLoS Computational Biology</i> , <b>2018</b> , 14, e1006461	5	4
33	Contribution of HIV-1 genomes that do not integrate to the basic reproductive ratio of the virus. <i>Journal of Theoretical Biology</i> , <b>2015</b> , 367, 222-229	2.3	3



32	Dynamical interactions between multiple cancers. <i>Cell Cycle</i> , <b>2005</b> , 4, 764-71	4.7	3
31	Latency reversal plus natural killer cells diminish HIV reservoir in vivo.. <i>Nature Communications</i> , <b>2022</b> , 13, 121	17.4	3
30	Mathematical models of HIV replication and pathogenesis. <i>Methods in Molecular Biology</i> , <b>2014</b> , 1184, 563-81	1.4	3
29	Network models and the interpretation of prolonged infection plateaus in the COVID19 pandemic. <i>Epidemics</i> , <b>2021</b> , 35, 100463	5.1	3
28	Effect of synaptic cell-to-cell transmission and recombination on the evolution of double mutants in HIV. <i>Journal of the Royal Society Interface</i> , <b>2020</b> , 17, 20190832	4.1	3
27	Quantifying the dynamics of viral recombination during free virus and cell-to-cell transmission in HIV-1 infection. <i>Virus Evolution</i> , <b>2021</b> , 7, veab026	3.7	3
26	Aspirin and the chemoprevention of cancers: A mathematical and evolutionary dynamics perspective. <i>Wiley Interdisciplinary Reviews: Systems Biology and Medicine</i> , <b>2020</b> , 12, e1487	6.6	2
25	The effects of phenotypic plasticity on the fixation probability of mutant cancer stem cells. <i>Journal of Theoretical Biology</i> , <b>2020</b> , 503, 110384	2.3	2
24	Somatic Evolution of Cells and the Development of Cancer. <i>Biological Theory</i> , <b>2006</b> , 1, 119-122	1.7	2
23	Telomeres open a window on stem cell division. <i>ELife</i> , <b>2016</b> , 5, e12481	8.9	2
22	Modeling the dynamics of COVID19 spread during and after social distancing: interpreting prolonged infection plateaus		2
21	Role of high-dose exposure in transmission hot zones as a driver of SARS-CoV2 dynamics <b>2020</b> ,		2
20	Effect of feedback regulation on stem cell fractions in tissues and tumors: Understanding chemoresistance in cancer. <i>Journal of Theoretical Biology</i> , <b>2021</b> , 509, 110499	2.3	2
19	The myogenesis program drives clonal selection and drug resistance in rhabdomyosarcoma.. <i>Developmental Cell</i> , <b>2022</b> ,	10.2	2
18	Beyond the pair approximation: Modeling colonization population dynamics. <i>Physical Review E</i> , <b>2020</b> , 101, 032404	2.4	1
17	Evolutionary dynamics of culturally transmitted, fertility-reducing traits. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2020</b> , 287, 20192468	4.4	1
16	Early Stochastic Dynamics in Human Cytomegalovirus Infection. <i>Journal of Virology</i> , <b>2017</b> , 91,	6.6	1
15	Introduction to Oncolytic Viruses. <i>Modeling and Simulation in Science, Engineering and Technology</i> , <b>2014</b> , 139-146	0.8	1

14	Kinetics Of Chronic Lymphocytic Leukemia Cells In Tissues and Blood During Therapy With The BTK Inhibitor Ibrutinib. <i>Blood</i> , <b>2013</b> , 122, 4166-4166	2.2	1
13	Passenger mutations can accelerate tumor suppressor gene inactivation in cancer evolution		1
12	The protective effect of aspirin in colorectal carcinogenesis: a multiscale computational study from mutant evolution to age incidence curves		1
11	Adaptive Therapy and the Cost of Drug-Resistant Mutants. <i>Cancer Research</i> , <b>2021</b> , 81, 811-812	10.1	1
10	Spatial dynamics of feedback and feedforward regulation in cell lineages.. <i>PLoS Computational Biology</i> , <b>2022</b> , 18, e1010039	5	0
9	Spatial evolution of regularization in learned behavior of animals. <i>Mathematical Biosciences</i> , <b>2018</b> , 299, 103-116	3.9	
8	Population Dynamics and Evolution of Cancer Cells. <i>Handbook of Statistics</i> , <b>2018</b> , 3-35	0.6	
7	Combination Therapies: Short-Term Versus Long-Term Strategies. <i>Modeling and Simulation in Science, Engineering and Technology</i> , <b>2014</b> , 89-106	0.8	
6	Basic Dynamics of Chronic Myeloid Leukemia During Imatinib Treatment. <i>Modeling and Simulation in Science, Engineering and Technology</i> , <b>2014</b> , 19-33	0.8	
5	Spatial Oncolytic Virus Dynamics. <i>Modeling and Simulation in Science, Engineering and Technology</i> , <b>2014</b> , 195-213	0.8	
4	Axiomatic Approaches to Oncolytic Virus Modeling. <i>Modeling and Simulation in Science, Engineering and Technology</i> , <b>2014</b> , 171-194	0.8	
3	System Biology Models and Conceptualizations Applied to Eco-Immunology <b>2014</b> , 21-47		
2	Mathematical and Systems Medicine Approaches to Resistance Evolution and Prevention in Cancer <b>2021</b> , 247-260		
1	A hybrid stochastic-deterministic approach to explore multiple infection and evolution in HIV.. <i>PLoS Computational Biology</i> , <b>2021</b> , 17, e1009713	5	