

D R Forsdyke

List of Publications by Year in descending order

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94
papers

2,450
citations

186265

28
h-index

233421

45
g-index

94
all docs

94
docs citations

94
times ranked

1140
citing authors

#	ARTICLE	IF	CITATIONS
1	The B in $\hat{B}DM$ ™ William Bateson did not advocate a genic speciation theory. <i>Heredity</i> , 2011, 106, 202-202.	2.6	9
2	REGIONS OF RELATIVE GC% UNIFORMITY ARE RECOMBINATIONAL ISOLATORS. <i>Journal of Biological Systems</i> , 2004, 12, 261-271.	1.4	17
3	Optimum growth temperature and the base composition of open reading frames in prokaryotes. <i>Extremophiles</i> , 2003, 7, 443-450.	2.3	52
4	Low-complexity segments in <i>Plasmodium falciparum</i> proteins are primarily nucleic acid level adaptations. <i>Molecular and Biochemical Parasitology</i> , 2003, 128, 21-32.	1.1	50
5	William Bateson, Richard Goldschmidt, and Non-Genic Modes of Speciation. <i>Journal of Biological Systems</i> , 2003, 11, 341-350.	1.4	15
6	Symmetry observations in long nucleotide sequences: a commentary on the Discovery Note of Qi and Cuticchia. <i>Bioinformatics</i> , 2002, 18, 215-217.	4.1	19
7	Introns resolve the conflict between base order-dependent stem-loop potential and the encoding of RNA or protein: further evidence from overlapping genes. <i>Gene</i> , 2001, 270, 181-189.	2.2	15
8	Did Celera invent the internet?. <i>Lancet, The</i> , 2001, 357, 1204.	13.7	1
9	Double-stranded RNA as a Not-self Alarm Signal: to Evade, most Viruses Purine-load their RNAs, but some (HTLV-1, Epstein-Barr) Pyrimidine-load. <i>Journal of Theoretical Biology</i> , 2001, 208, 475-491.	1.7	43
10	Adaptive Value of Polymorphism in Intracellular Self/Not-self Discrimination?. <i>Journal of Theoretical Biology</i> , 2001, 210, 425-434.	1.7	11
11	Haldane's Rule: Hybrid Sterility Affects the Heterogametic Sex First because Sexual Differentiation is on the Path to Species Differentiation. <i>Journal of Theoretical Biology</i> , 2000, 204, 443-452.	1.7	35
12	Thermophilic Bacteria Strictly Obey Szybalski's Transcription Direction Rule and Politely Purine-Load RNAs with Both Adenine and Guanine. <i>Genome Research</i> , 2000, 10, 228-236.	5.5	93
13	Chargaff's legacy. <i>Gene</i> , 2000, 261, 127-137.	2.2	98
14	Crossover hot-spot instigator (Chi) sequences in <i>Escherichia coli</i> occupy distinct recombination/transcription islands. <i>Gene</i> , 2000, 243, 47-57.	2.2	17
15	Accounting Units in DNA. <i>Journal of Theoretical Biology</i> , 1999, 197, 51-61.	1.7	44
16	Deviations from Chargaff's Second Parity Rule Correlate with Direction of Transcription. <i>Journal of Theoretical Biology</i> , 1999, 197, 63-76.	1.7	67
17	Two Levels of Information in DNA: Relationship of Romanes' $\hat{B}DM$ ™ Variability of the Reproductive System, and Bateson's $\hat{B}DM$ ™ to the Species-Dependent Component of the Base Composition, (C+G)%. <i>Journal of Theoretical Biology</i> , 1999, 201, 47-61.	1.7	31
18	Heat shock proteins as mediators of aggregation-induced 'danger' signals: implications of the slow evolutionary fine-tuning of sequences for the antigenicity of cancer cells. <i>Cell Stress and Chaperones</i> , 1999, 4, 205-10.	2.9	21

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19	An Alternative Way of Thinking about Stem-loops in DNA. A Case Study of the Human GOS2 Gene. <i>Journal of Theoretical Biology</i> , 1998, 192, 489-504.	1.7	38
20	Correlation of Chi orientation with transcription indicates a fundamental relationship between recombination and transcription. <i>Gene</i> , 1998, 216, 285-292.	2.2	25
21	Chargaff difference analysis of the bithorax complex of <i>Drosophila melanogaster</i> . <i>Biochemistry and Cell Biology</i> , 1998, 76, 129-137.	2.0	14
22	The Normal Copy of the <i>GOS19-3</i> -Associated, CpG Island-Containing, Upstream Sequence Is Downstream of <i>GOS19-2/MIP1</i> in Association With a <i>TRE17</i> Oncogene. <i>DNA and Cell Biology</i> , 1998, 17, 61-68.	1.9	1
23	Expression and Processing of <i>G0/G1 Switch Gene 24</i> (<i>GOS24/TIS11/TTP/NUP475</i>) RNA in Cultured Human Blood Mononuclear Cells. <i>DNA and Cell Biology</i> , 1998, 17, 249-263.	1.9	10
24	Comparison of mRNA Expression of Two Regulators of G-Protein Signaling, <i>RGS1/BL34/1R20</i> and <i>RGS2/GOS8</i> , in Cultured Human Blood Mononuclear Cells. <i>DNA and Cell Biology</i> , 1997, 16, 589-598.	1.9	74
25	Cyclosporin A Inhibits Early mRNA Expression of <i>G0/G1 Switch Gene 2</i> (<i>GOS2</i>) in Cultured Human Blood Mononuclear Cells. <i>DNA and Cell Biology</i> , 1997, 16, 1449-1458.	1.9	46
26	Stem-loop potential in MHC genes: a new way of evaluating positive Darwinian selection?. <i>Immunogenetics</i> , 1996, 43, 182-189.	2.4	26
27	Different Biological Species Broadcast Their DNAs at Different (G+C)% Wavelengths. <i>Journal of Theoretical Biology</i> , 1996, 178, 405-417.	1.7	71
28	Sequence Analysis and Expression in Cultured Lymphocytes of the Human <i>FOSB</i> Gene (<i>GOS3</i>). <i>DNA and Cell Biology</i> , 1996, 15, 1025-1038.	1.9	16
29	A "Stealth" Approach to Inhibition of Lymphocyte Activation by Oligonucleotide Complementary to the Putative <i>G₀/G₁ Switch Regulatory Gene</i> <i>GOS30/EGR1/NGFI-A</i> . <i>DNA and Cell Biology</i> , 1996, 15, 561-570.	1.9	11
30	Stem-loop potential in MHC genes: a new way of evaluating positive Darwinian selection?. <i>Immunogenetics</i> , 1996, 43, 182-189.	2.4	2
31	Fine tuning of intracellular protein concentrations, a collective protein function involved in aneuploid lethality, sex-determination and speciation?. <i>Journal of Theoretical Biology</i> , 1995, 172, 335-345.	1.7	17
32	Reciprocal relationship between stem-loop potential and substitution density in retroviral quasispecies under positive Darwinian selection. <i>Journal of Molecular Evolution</i> , 1995, 41, 1022-37.	1.8	25
33	Relative roles of primary sequence and (G + C)% in determining the hierarchy of frequencies of complementary trinucleotide pairs in DNAs of different species. <i>Journal of Molecular Evolution</i> , 1995, 41, 573-81.	1.8	67
34	Sense in antisense?. <i>Journal of Molecular Evolution</i> , 1995, 41, 582-6.	1.8	19
35	Jerne and positive selection. <i>Trends in Immunology</i> , 1995, 16, 105.	7.5	5
36	The origins of the clonal selection theory of immunity as a case study for evaluation in science. <i>FASEB Journal</i> , 1995, 9, 164-166.	0.5	34

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37	A stem-loop "kissing" model for the initiation of recombination and the origin of introns.. Molecular Biology and Evolution, 1995, 12, 949-58.	8.9	83
38	Differential expression of a basic helix-loop-helix phosphoprotein gene, GOS8, in acute leukemia and localization to human chromosome 1q31. Leukemia, 1995, 9, 1291-8.	7.2	33
39	A Human Gene Encoding a Putative Basic Helix-Loop-Helix Phosphoprotein Whose mRNA Increases Rapidly in Cycloheximide-Treated Blood Mononuclear Cells. DNA and Cell Biology, 1994, 13, 125-147.	1.9	125
40	The Heat-shock Response and the Molecular Basis of Genetic Dominance. Journal of Theoretical Biology, 1994, 167, 1-5.	1.7	20
41	Relationship of X Chromosome Dosage Compensation to Intracellular Self/Not-self Discrimination: A Resolution of Muller's Paradox?. Journal of Theoretical Biology, 1994, 167, 7-12.	1.7	27
42	Authorship and misconduct. Nature, 1994, 370, 91-91.	27.8	0
43	A theoretical basis for accepting undergraduate academic record as a predictor of success in a research career. Implications for the validity of peer review. Accountability in Research, 1994, 3, 269-274.	2.4	1
44	A Human Putative Lymphocyte G ₀ /G ₁ Switch Gene Homologous to a Rodent Gene Encoding a Zinc-Binding Potential Transcription Factor. DNA and Cell Biology, 1993, 12, 73-88.	1.9	59
45	Bicameral grant review: How a systems analyst with aids would reform research funding. Accountability in Research, 1993, 2, 237-241.	2.4	2
46	The Third Human Homolog of a Murine Gene Encoding an Inhibitor of Stem Cell Proliferation Is Truncated and Linked to a CpG Island-Containing Upstream Sequence. DNA and Cell Biology, 1993, 12, 157-175.	1.9	3
47	On giraffes and peer review. FASEB Journal, 1993, 7, 619-621.	0.5	14
48	The MRC's strategic plan. Cmaj, 1993, 149, 1224.	2.0	0
49	Two signal model of self/not-self immune discrimination: An update. Journal of Theoretical Biology, 1992, 154, 109-118.	1.7	7
50	Programmed activation of T-lymphocytes. A theoretical basis for short term treatment of AIDS with azidothymidine. Medical Hypotheses, 1991, 34, 24-27.	1.5	4
51	Bicameral Grant Review: An Alternative to Conventional Peer Review. FASEB Journal, 1991, 5, 2313-2313.	0.5	8
52	Early evolution of MHC polymorphism. Journal of Theoretical Biology, 1991, 150, 451-456.	1.7	26
53	A Human Putative Lymphocyte G ₀ /G ₁ Switch Gene Containing a CpG-Rich Island Encodes a Small Basic Protein with the Potential to Be Phosphorylated. DNA and Cell Biology, 1991, 10, 581-591.	1.9	121
54	Three Human Homologs of a Murine Gene Encoding an Inhibitor of Stem Cell Proliferation. DNA and Cell Biology, 1990, 9, 589-602.	1.9	54

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55	A Set of Human Putative Lymphocyte G ₀ /G ₁ Switch Genes Includes Genes Homologous to Rodent Cytokine and Zinc Finger Protein-Encoding Genes. DNA and Cell Biology, 1990, 9, 579-587.	1.9	83
56	Suddenâ€œDeath Funding System. FASEB Journal, 1989, 3, 2221-2221.	0.5	2
57	A SYSTEMS ANALYST ASKS ABOUT AIDS RESEARCH FUNDING. Lancet, The, 1989, 334, 1382-1384.	13.7	5
58	An ethical dilemma. Nature, 1988, 332, 200-200.	27.8	2
59	Heat shock proteins defend against intracellular pathogens: a non-immunological basis for self/non-self discrimination?. Journal of Theoretical Biology, 1985, 115, 471-473.	1.7	33
60	cDNA cloning of mRNAs which increase rapidly in human lymphocytes cultured with concanavalin-A and cycloheximide. Biochemical and Biophysical Research Communications, 1985, 129, 619-625.	2.1	47
61	Purification of oligo dG-tailed Okayama-Berg linker DNA fragments by oligo dC-cellulose chromatography. Analytical Biochemistry, 1984, 137, 143-145.	2.4	7
62	Rapid qualitative changes in mRNA populations in cultured human lymphocytes: comparison of the effects of cycloheximide and concanavalin A. Canadian Journal of Biochemistry and Cell Biology, 1984, 62, 859-864.	1.3	16
63	Rouleaux formation as a measure of the phase separating ability of plasma. Journal of Theoretical Biology, 1983, 103, 467-472.	1.7	10
64	Canadian medical research strategy for the eighties. Medical Hypotheses, 1983, 11, 147-156.	1.5	5
65	Canadian medical research strategy for the eighties. Medical Hypotheses, 1983, 11, 141-145.	1.5	6
66	Segregation into separate rouleaux of erythrocytes from different species. Evidence against the agglomerin hypothesis of rouleaux formation. Biochemical Journal, 1983, 214, 257-260.	3.7	10
67	Role of serum in inhibition of cultured lymphocytes by lysophosphatidylcholine. Lipids and Lipid Metabolism, 1982, 710, 87-98.	2.6	12
68	Formation of erythrocyte rouleaux in preheated normal serum: roles of albumin polymers and lysophosphatidylcholine. Canadian Journal of Biochemistry, 1982, 60, 705-711.	1.4	11
69	Are introns in-series error-detecting sequences?. Journal of Theoretical Biology, 1981, 93, 861-866.	1.7	38
70	Isotope-dilution analysis of the effects of deoxyguanosine and deoxyadenosine on the incorporation of thymidine and deoxycytidine by hydroxyurea-treated thymus cells. Biochemical Journal, 1980, 190, 721-730.	3.7	31
71	Lectin pulses as determinants of lymphocyte activation and inactivation during the first six hours of culture: sequential action of concanavalin A and complement cause cell lysis. Canadian Journal of Biochemistry, 1980, 58, 1387-1396.	1.4	9
72	Early onset inhibition of lymphocytes in heterologous serum by high concentrations of concanavalin-A: Further studies of the role of complement with suramin and heated serum. International Journal of Immunopharmacology, 1979, 1, 133-139.	1.1	1

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73	Role of complement in the toxicity of dietary legumes. <i>Medical Hypotheses</i> , 1978, 4, 97-100.	1.5	2
74	Comparison of enhancement by heated serum and 2-mercaptoethanol of lymphocyte transformation induced by high concentrations of concanavalin A. <i>Cellular Immunology</i> , 1978, 36, 86-96.	3.0	11
75	The rate of deoxyribonucleic acid synthesis by cultured Chinese-hamster ovary cells. An application of isotope-dilution analysis. <i>Biochemical Journal</i> , 1978, 170, 545-549.	3.7	6
76	Stimulation by autologous serum preheated at 66 °C of the incorporation of [3H]uridine by cultured lymphocytes: comparison with stimulation by concanavalin A. <i>Canadian Journal of Biochemistry</i> , 1977, 55, 215-222.	1.4	3
77	Role of receptor aggregation in complement-dependent inhibition of lymphocytes by high concentrations of concanavalin A. <i>Nature</i> , 1977, 267, 358-360.	27.8	14
78	Isotope-dilution studies of the effects of 5-fluorodeoxyuridine and hydroxyurea on the incorporation of deoxycytidine and thymidine by cultured thymus cells. <i>Canadian Journal of Biochemistry</i> , 1976, 54, 238-248.	1.4	8
79	Further implications of a theory of immunity. <i>Journal of Theoretical Biology</i> , 1975, 52, 187-198.	1.7	26
80	Isotope-dilution analysis of rate-limiting steps and pools affecting the incorporation of thymidine and deoxycytidine into cultured thymus cells. <i>Biochemical Journal</i> , 1974, 138, 253-262.	3.1	32
81	Serum and lymphocyte activation by phytohaemagglutinin (PHA). <i>Experimental Cell Research</i> , 1973, 77, 216-222.	2.6	11
82	A comparison of the activation of thymus and lymph-node cells by concanavalin-A and phytohaemagglutinin. Effects of complement. <i>Journal of Immunological Methods</i> , 1973, 2, 269-277.	1.4	2
83	Serum factors affecting the incorporation of [3H]uridine by lymphocytes stimulated by concanavalin A. Studies of the role of complement. <i>Biochemical Journal</i> , 1973, 132, 803-812.	3.1	27
84	Serum factors affecting the incorporation of (3H)thymidine by lymphocytes stimulated by antigen. 3. Evidence for a role of complement from studies with specific complement inhibitors. <i>Immunology</i> , 1973, 25, 613-9.	4.4	14
85	Serum factors affecting the incorporation of (3H)thymidine by lymphocytes stimulated by antigen. II. Evidence for a role of complement from studies with heated serum. <i>Immunology</i> , 1973, 25, 597-612.	4.4	18
86	Serum factors affecting the incorporation of (3H)thymidine by lymphocytes stimulated by antigen. I. Serum concentration. <i>Immunology</i> , 1973, 25, 583-95.	4.4	14
87	Isotope-dilution analysis of cell stimulation or inhibition by biological media. <i>Journal of Immunological Methods</i> , 1972, 1, 207-209.	1.4	1
88	Application of the isotope-dilution principle to the analysis of factors affecting the incorporation of [3H]uridine and [3H]cytidine into cultured lymphocytes. Evaluation of pools in serum and culture media. <i>Biochemical Journal</i> , 1971, 125, 721-732.	3.1	42
89	Inhibition of Lymphocyte Activation at High Ratios of Concanavalin A to Serum depends on Complement. <i>Nature</i> , 1970, 227, 1351-1352.	27.8	17
90	A theory of immunity. <i>Journal of Theoretical Biology</i> , 1969, 25, 173-185.	1.7	12

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91	Impaired activation of thymus lymphocytes by phytohemagglutinin. <i>Journal of Immunology</i> , 1969, 103, 818-23.	0.8	15
92	Incorporation of [5âˆ³H]uridine and attachment of cells to glass during activation of lymphocytes induced by phytohaemagglutinin. <i>Biochemical Journal</i> , 1968, 108, 297-302.	3.1	10
93	Studies of the incorporation of [5âˆ³H]uridine during activation and transformation of lymphocytes induced by phytohaemagglutinin. Dependence of the incorporation rate on uridine concentration at certain critical concentrations. <i>Biochemical Journal</i> , 1968, 107, 197-205.	3.1	48
94	Quantitative nucleic acid changes during phytohaemagglutinin-induced lymphocyte transformation <i>in vitro</i> . Dependence of the response on phytohaemagglutinin/serum ratio. <i>Biochemical Journal</i> , 1967, 105, 679-684.	3.1	63