D R Forsdyke

List of Publications by Year
in descending order

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94	2,450	186265	233421
papers	citations	28	45
		h-index	g-index

94	94	94	1140
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Human Gene Encoding a Putative Basic Helixâ€“Loopâ€“Helix Phosphoprotein Whose mRNA Increases Rapidly in Cycloheximide-Treated Blood Mononuclear Cells. DNA and Cell Biology, 1994, 13, 125-147.	1.9	125
2	A Human Putative Lymphocyte G₀/G₁Switch 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
3	Chargaff's legacy. Gene, 2000, 261, 127-137.	2.2	98
4	Thermophilic Bacteria Strictly Obey Szybalski's Transcription Direction Rule and Politely Purine-Load RNAs with Both Adenine and Guanine. Genome Research, 2000, 10, 228-236.	5.5	93
5	A Set of Human Putative Lymphocyte G₀/G₁Switch Genes Includes Genes Homologous to Rodent Cytokine and Zinc Finger Protein-Encoding Genes. DNA and Cell Biology, 1990, 9, 579-587.	1.9	83
6	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
7	Comparison of mRNA Expression of Two Regulators of G-Protein Signaling, RGS1/BL34/1R20 and RGS2/G0S8, in Cultured Human Blood Mononuclear Cells. DNA and Cell Biology, 1997, 16, 589-598.	1.9	74
8	Different Biological Species â€œBroadcastâ€•Their DNAs at Different (G+C)% â€œWavelengthsâ€• Journal of Theoretical Biology, 1996, 178, 405-417.	1.7	71
9	Relative roles of primary sequence and (G + C)% in determining the hierarchy of frequencies of complementary trinucleotide pairs in DNAs of different species. Journal of Molecular Evolution, 1995, 41, 573-81.	1.8	67
10	Deviations from Chargaff's Second Parity Rule Correlate with Direction of Transcription. Journal of Theoretical Biology, 1999, 197, 63-76.	1.7	67
11	Quantitative nucleic acid changes during phytohaemagglutinin-induced lymphocyte transformation in vitro. Dependence of the response on phytohaemagglutinin/serum ratio. Biochemical Journal, 1967, 105, 679-684.	3.1	63
12	A Human Putative Lymphocyte G₀/G₁Switch Gene Homologous to a Rodent Gene Encoding a Zinc-Binding Potential Transcription Factor. DNA and Cell Biology, 1993, 12, 73-88.	1.9	59
13	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
14	Optimum growth temperature and the base composition of open reading frames in prokaryotes. Extremophiles, 2003, 7, 443-450.	2.3	52
15	Low-complexity segments in Plasmodium falciparum proteins are primarily nucleic acid level adaptations. Molecular and Biochemical Parasitology, 2003, 128, 21-32.	1.1	50
16	Studies of the incorporation of [5â^'3H]uridine during activation and transformation of lymphocytes induced by phytohaemagglutinin. Dependence of the incorporation rate on uridine concentration at certain critical concentrations. Biochemical Journal, 1968, 107, 197-205.	3.1	48
17	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
18	Cyclosporin A Inhibits Early mRNA Expression ofG0/G1 Switch Gene 2(G0S2) in Cultured Human Blood Mononuclear Cells. DNA and Cell Biology, 1997, 16, 1449-1458.	1.9	46

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19	Accounting Units in DNA. Journal of Theoretical Biology, 1999, 197, 51-61.	1.7	44
20	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. Journal of Theoretical Biology, 2001, 208, 475-491.	1.7	43
21	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. Biochemical Journal, 1971, 125, 721-732.	3.1	42
22	Are introns in-series error-detecting sequences?. Journal of Theoretical Biology, 1981, 93, 861-866.	1.7	38
23	An Alternative Way of Thinking about Stem-loops in DNA. A Case Study of the Human G0S2 Gene. Journal of Theoretical Biology, 1998, 192, 489-504.	1.7	38
24	Haldane's Rule: Hybrid Sterility Affects the Heterogametic Sex First because Sexual Differentiation is on the Path to Species Differentiation. Journal of Theoretical Biology, 2000, 204, 443-452.	1.7	35
25	The origins of the clonal selection theory of immunity as a case study for evaluation in science. FASEB Journal, 1995, 9, 164-166.	0.5	34
26	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
27	Differential expression of a basic helix-loop-helix phosphoprotein gene, G0S8, in acute leukemia and localization to human chromosome 1q31. Leukemia, 1995, 9, 1291-8.	7.2	33
28	Isotope-dilution analysis of rate-limiting steps and pools affecting the incorporation of thymidine and deoxycytidine into cultured thymus cells. Biochemical Journal, 1974, 138, 253-262.	3.1	32
29	Isotope-dilution analysis of the effects of deoxyguanosine and deoxyadenosine on the incorpoÅ•ation of thymidine and deoxycytidine by hydroxyurea-treated thymus cells. Biochemical Journal, 1980, 190, 721-730.	3.7	31
30	Two Levels of Information in DNA: Relationship of Romanes' â€œIntrinsicâ€•Variability of the Reproductive System, and Bateson's â€œResidueâ€•to the Species-Dependent Component of the Base Composition, (C+G)%. Journal of Theoretical Biology, 1999, 201, 47-61.	1.7	31
31	Serum factors affecting the incorporation of [3H]uridine by lymphocytes stimulated by concanavalin A. Studies of the role of complement. Biochemical Journal, 1973, 132, 803-812.	3.1	27
32	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
33	Further implications of a theory of immunity. Journal of Theoretical Biology, 1975, 52, 187-198.	1.7	26
34	Early evolution of MHC polymorphism. Journal of Theoretical Biology, 1991, 150, 451-456.	1.7	26
35	Stem-loop potential in MHC genes: a new way of evaluating positive Darwinian selection?. Immunogenetics, 1996, 43, 182-189.	2.4	26
36	Reciprocal relationship between stem-loop potential and substitution density in retroviral quasispecies under positive Darwinian selection. Journal of Molecular Evolution, 1995, 41, 1022-37.	1.8	25

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37	Correlation of Chi orientation with transcription indicates a fundamental relationship between recombination and transcription. Gene, 1998, 216, 285-292.	2.2	25
38	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. Cell Stress and Chaperones, 1999, 4, 205-10.	2.9	21
39	The Heat-shock Response and the Molecular Basis of Genetic Dominance. Journal of Theoretical Biology, 1994, 167, 1-5.	1.7	20
40	Sense in antisense?. Journal of Molecular Evolution, 1995, 41, 582-6.	1.8	19
41	Symmetry observations in long nucleotide sequences: a commentary on the Discovery Note of Qi and Cuticchia. Bioinformatics, 2002, 18, 215-217.	4.1	19
42	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. Immunology, 1973, 25, 597-612.	4.4	18
43	Inhibition of Lymphocyte Activation at High Ratios of Concanavalin A to Serum depends on Complement. Nature, 1970, 227, 1351-1352.	27.8	17
44	Fine tuning of intracellular protein concentrations, a collective protein function involved in aneuploid lethality, sex-determination and speciation?. Journal of Theoretical Biology, 1995, 172, 335-345.	1.7	17
45	Crossover hot-spot instigator (Chi) sequences in Escherichia coli occupy distinct recombination/transcription islands. Gene, 2000, 243, 47-57.	2.2	17
46	REGIONS OF RELATIVE GC% UNIFORMITY ARE RECOMBINATIONAL ISOLATORS. Journal of Biological Systems, 2004, 12, 261-271.	1.4	17
47	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
48	Sequence Analysis and Expression in Cultured Lymphocytes of the HumanFOSBGene(G0S3). DNA and Cell Biology, 1996, 15, 1025-1038.	1.9	16
49	Introns resolve the conflict between base order-dependent stem-loop potential and the encoding of RNA or protein: further evidence from overlapping genes. Gene, 2001, 270, 181-189.	2.2	15
50	William Bateson, Richard Goldschmidt, and Non-Genic Modes of Speciation. Journal of Biological Systems, 2003, 11, 341-350.	1.4	15
51	Impaired activation of thymus lymphocytes by phytohemagglutinin. Journal of Immunology, 1969, 103, 818-23.	0.8	15
52	Role of receptor aggregation in complement-dependent inhibition of lymphocytes by high concentrations of concanavalin A. Nature, 1977, 267, 358-360.	27.8	14
53	On giraffes and peer review. FASEB Journal, 1993, 7, 619-621.	0.5	14
54	Chargaff difference analysis of the bithorax complex of Drosophila melanogaster. Biochemistry and Cell Biology, 1998, 76, 129-137.	2.0	14

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55	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. Immunology, 1973, 25, 613-9.	4.4	14
56	Serum factors affecting the incorporation of (3H)thymidine by lymphocytes stimulated by antigen. I. Serum concentration. Immunology, 1973, 25, 583-95.	4.4	14
57	A theory of immunity. Journal of Theoretical Biology, 1969, 25, 173-185.	1.7	12
58	Role of serum in inhibition of cultured lymphocytes by lysophosphatidylcholine. Lipids and Lipid Metabolism, 1982, 710, 87-98.	2.6	12
59	Serum and lymphocyte activation by phytohaemagglutinin (PHA). Experimental Cell Research, 1973, 77, 216-222.	2.6	11
60	Comparison of enhancement by heated serum and 2-mercaptoethanol of lymphocyte transformation induced by high concentrations of concanavalin A. Cellular Immunology, 1978, 36, 86-96.	3.0	11
61	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
62	A "Stealth" Approach to Inhibition of Lymphocyte Activation by Oligonucleotide Complementary to the Putative G₀/G₁Switch Regulatory GeneG0S30/EGR1/NGFI-A. DNA and Cell Biology, 1996, 15, 561-570.	1.9	11
63	Adaptive Value of Polymorphism in Intracellular Self/Not-self Discrimination?. Journal of Theoretical Biology, 2001, 210, 425-434.	1.7	11
64	Incorporation of [5â˜3H]uridine and attachment of cells to glass during activation of lymphocytes induced by phytohaemagglutinin. Biochemical Journal, 1968, 108, 297-302.	3.1	10
65	Rouleaux formation as a measure of the phase separating ability of plasma. Journal of Theoretical Biology, 1983, 103, 467-472.	1.7	10
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	Expression and Processing ofG0/G1 Switch Gene 24(G0S24/TIS11/TTP/NUP475) RNA in Cultured Human Blood Mononuclear Cells. DNA and Cell Biology, 1998, 17, 249-263.	1.9	10
68	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
69	The B in â€˜BDM.â€™ William Bateson did not advocate a genic speciation theory. Heredity, 2011, 106, 202-202.	2.6	9
70	Isotope-dilution studies of the effects of 5-fluorodeoxyuridine and hydroxyurea on the incorporation of deoxycytidine and thymidine by cultured thymus cells. Canadian Journal of Biochemistry, 1976, 54, 238-248.	1.4	8
71	Bicameral Grant Review: An Alternative to Conventional Peer Review. FASEB Journal, 1991, 5, 2313-2313.	0.5	8
72	Purification of oligo dG-tailed Okayama-Berg linker DNA fragments by oligo dC-cellulose chromatography. Analytical Biochemistry, 1984, 137, 143-145.	2.4	7

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73	Two signal model of self/not-self immune discrimination: An update. Journal of Theoretical Biology, 1992, 154, 109-118.	1.7	7
74	The rate of deoxyribonucleic acid synthesis by cultured Chinese-hamster ovary cells. An application of isotope-dilution analysis. Biochemical Journal, 1978, 170, 545-549.	3.7	6
75	Canadian medical research strategy for the eighties. Medical Hypotheses, 1983, 11, 141-145.	1.5	6
76	Canadian medical research strategy for the eighties. Medical Hypotheses, 1983, 11, 147-156.	1.5	5
77	A SYSTEMS ANALYST ASKS ABOUT AIDS RESEARCH FUNDING. Lancet, The, 1989, 334, 1382-1384.	13.7	5
78	Jerne and positive selection. Trends in Immunology, 1995, 16, 105.	7.5	5
79	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
80	Stimulation by autologous serum preheated at 66 Â°C of the incorporation of [3H]uridine by cultured lymphocytes: comparison with stimulation by concanavalin A. Canadian Journal of Biochemistry, 1977, 55, 215-222.	1.4	3
81	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
82	A comparison of the activation of thymus and lymph-node cells by concanavalin-A and phytohaemagglutinin. Effects of complement. Journal of Immunological Methods, 1973, 2, 269-277.	1.4	2
83	Role of complement in the toxicity of dietary legumes. Medical Hypotheses, 1978, 4, 97-100.	1.5	2
84	An ethical dilemma. Nature, 1988, 332, 200-200.	27.8	2
85	Suddenâ€Death Funding System. FASEB Journal, 1989, 3, 2221-2221.	0.5	2
86	Bicameral grant review: How a systems analyst with aids would reform research funding. Accountability in Research, 1993, 2, 237-241.	2.4	2
87	Stem-loop potential in MHC genes: a new way of evaluating positive Darwinian selection?. Immunogenetics, 1996, 43, 182-189.	2.4	2
88	Isotope-dilution analysis of cell stimulation or inhibition by biological media. Journal of Immunological Methods, 1972, 1, 207-209.	1.4	1
89	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
90	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

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91	The Normal Copy of theGOS19-3-Associated, CpG Island-Containing, Upstream Sequence Is Downstream ofGOS19-2/MIP1Î± in Association With aTRE17Oncogene. DNA and Cell Biology, 1998, 17, 61-68.	1.9	1
92	Did Celera invent the internet?. Lancet, The, 2001, 357, 1204.	13.7	1
93	Authorship and misconduct. Nature, 1994, 370, 91-91.	27.8	0
94	The MRC's strategic plan. Cmaj, 1993, 149, 1224.	2.0	0