

Richard Lathe

List of Publications by Year in descending order

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100
papers

8,554
citations

57758

44
h-index

45317

90
g-index

107
all docs

107
docs citations

107
times ranked

6536
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthetic oligonucleotide probes deduced from amino acid sequence data. <i>Journal of Molecular Biology</i> , 1985, 183, 1-12.	4.2	810
2	Expression of rabies virus glycoprotein from a recombinant vaccinia virus. <i>Nature</i> , 1984, 312, 163-166.	27.8	458
3	Microbes and Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2016, 51, 979-984.	2.6	426
4	Protection from rabies by a vaccinia virus recombinant containing the rabies virus glycoprotein gene.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1984, 81, 7194-7198.	7.1	342
5	An endocrine pathway in the prostate, ER α , AR, 5 α -androstane-3 α ,17 α -diol, and CYP7B1, regulates prostate growth. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 13589-13594.	7.1	307
6	The antimicrobial protection hypothesis of Alzheimer's disease. <i>Alzheimer's and Dementia</i> , 2018, 14, 1602-1614.	0.8	305
7	New versatile cloning and sequencing vectors based on bacteriophage M13. <i>Gene</i> , 1983, 26, 91-99.	2.2	287
8	Hormones and the hippocampus. <i>Journal of Endocrinology</i> , 2001, 169, 205-231.	2.6	242
9	Oral vaccination of the fox against rabies using a live recombinant vaccinia virus. <i>Nature</i> , 1986, 322, 373-375.	27.8	229
10	Genetic basis of Creutzfeldt-Jakob disease in the United Kingdom: a systematic analysis of predisposing mutations and allelic variation in the PRNP gene. <i>Human Genetics</i> , 1996, 98, 259-264.	3.8	222
11	Cyp7b, a novel brain cytochrome P450, catalyzes the synthesis of neurosteroids 7 α -hydroxy dehydroepiandrosterone and 7 α -hydroxy pregnenolone. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997, 94, 4925-4930.	7.1	212
12	Human epithelial tumor antigen cDNA sequences. Differential splicing may generate multiple protein forms. <i>FEBS Journal</i> , 1990, 189, 463-473.	0.2	210
13	Immunization against human papillomavirus type 16 tumor cells with recombinant vaccinia viruses expressing E6 and E7. <i>Virology</i> , 1991, 181, 62-69.	2.4	168
14	Linker Tailing: Unphosphorylated Linker Oligonucleotides for Joining DNA Termini. <i>DNA and Cell Biology</i> , 1984, 3, 173-182.	5.2	160
15	Variegated transgene expression in mouse mammary gland is determined by the transgene integration locus.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996, 93, 6659-6664.	7.1	149
16	Identification and Characterization of a Mouse Oxysterol 7 α -Hydroxylase cDNA. <i>Journal of Biological Chemistry</i> , 1997, 272, 23995-24001.	3.4	143
17	A Novel Cytochrome P450 Expressed Primarily in Brain. <i>Journal of Biological Chemistry</i> , 1995, 270, 29739-29745.	3.4	142
18	Mice, gene targeting and behaviour: more than just genetic background. <i>Trends in Neurosciences</i> , 1996, 19, 183-186.	8.6	140

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19	Plasmid and bacteriophage vectors for excision of intact inserts. <i>Gene</i> , 1987, 57, 193-201.	2.2	139
20	Loss of Hippocampal Serine Protease BSP1/Neurospain Predisposes to Global Seizure Activity. <i>Journal of Neuroscience</i> , 2001, 21, 6993-7000.	3.6	124
21	Cell-free synthesis of enterotoxin of <i>E. coli</i> from a cloned gene. <i>Nature</i> , 1980, 284, 473-474.	27.8	112
22	Dehydroepiandrosterone 7-hydroxylase <i>cyp7b</i> : predominant expression in primate hippocampus and reduced expression in alzheimer's disease†. <i>Neuroscience</i> , 2003, 121, 307-314.	2.3	110
23	Atherosclerosis and Alzheimer - diseases with a common cause? Inflammation, oxysterols, vasculature. <i>BMC Geriatrics</i> , 2014, 14, 36.	2.7	109
24	The individuality of mice. <i>Genes, Brain and Behavior</i> , 2004, 3, 317-327.	2.2	108
25	Porphyrinuria in childhood autistic disorder: Implications for environmental toxicity. <i>Toxicology and Applied Pharmacology</i> , 2006, 214, 99-108.	2.8	108
26	Variegated gene expression in mice. <i>Trends in Genetics</i> , 1997, 13, 127-130.	6.7	101
27	Steroid and sterol 7-hydroxylation: ancient pathways. <i>Steroids</i> , 2002, 67, 967-977.	1.8	96
28	Fast tidal cycling and the origin of life. <i>Icarus</i> , 2004, 168, 18-22.	2.5	96
29	Improved antigenicity of the HIV env protein by cleavage site removal. <i>Protein Engineering, Design and Selection</i> , 1988, 2, 219-225.	2.1	94
30	A ubiquitous mammalian expression vector, pHMG, based on a housekeeping gene promoter. <i>Nucleic Acids Research</i> , 1989, 17, 8389-8389.	14.5	90
31	Pharmaceuticals from transgenic livestock. <i>Trends in Biotechnology</i> , 1987, 5, 20-24.	9.3	84
32	Gene Transfer into Sheep. <i>Nature Biotechnology</i> , 1988, 6, 179-183.	17.5	83
33	Vaccination against tumor cells expressing breast cancer epithelial tumor antigen.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1990, 87, 9498-9502.	7.1	83
34	Neurosteroid Hydroxylase CYP7B. <i>Journal of Biological Chemistry</i> , 2001, 276, 23937-23944.	3.4	80
35	Serine Proteases in Rodent Hippocampus. <i>Journal of Biological Chemistry</i> , 1998, 273, 23004-23011.	3.4	79
36	The methylation-free status of a housekeeping transgene is lost at high copy number. <i>Gene</i> , 1990, 91, 179-184.	2.2	74

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37	A transcribed gene, containing a variable number of tandem repeats, codes for a human epithelial tumor antigen. cDNA cloning, expression of the transfected gene and over-expression in breast cancer tissue. <i>FEBS Journal</i> , 1990, 189, 475-486.	0.2	59
38	Steroid signalling in human ovarian surface epithelial cells: the response to interleukin-1 \pm determined by microarray analysis. <i>Journal of Endocrinology</i> , 2004, 183, 19-28.	2.6	56
39	Comparative proteomic analysis using samples obtained with laser microdissection and saturation dye labelling. <i>Proteomics</i> , 2005, 5, 3851-3858.	2.2	55
40	Breast Cancer Protein PS2 Synthesis in Mammary Gland of Transgenic Mice and Secretion into Milk. <i>Molecular Endocrinology</i> , 1989, 3, 1579-1584.	3.7	52
41	Terpenes, hormones and life: isoprene rule revisited. <i>Journal of Endocrinology</i> , 2019, 242, R9-R22.	2.6	52
42	The promiscuous estrogen receptor: Evolution of physiological estrogens and response to phytochemicals and endocrine disruptors. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2018, 184, 29-37.	2.5	51
43	Herpes Viruses and Senile Dementia: First Population Evidence for a Causal Link. <i>Journal of Alzheimer's Disease</i> , 2018, 64, 363-366.	2.6	50
44	Early onset of puberty and early ovarian failure in CYP7B1 knockout mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 2814-2819.	7.1	47
45	Spatiotemporal dynamics of the expression of estrogen receptors in the postnatal mouse brain. <i>Molecular Psychiatry</i> , 2009, 14, 223-232.	7.9	41
46	Targeted inactivation of the mouse locus encoding coagulation factor XIII-A: hemostatic abnormalities in mutant mice and characterization of the coagulation deficit. <i>Thrombosis and Haemostasis</i> , 2002, 88, 967-74.	3.4	40
47	Hybridization Parameters Revisited: Solutions Containing SDS. <i>BioTechniques</i> , 2002, 33, 54-58.	1.8	38
48	Steroid signaling: Ligand-binding promiscuity, molecular symmetry, and the need for gating. <i>Steroids</i> , 2014, 82, 14-22.	1.8	38
49	Multiple Effects of Genetic Background on Variegated Transgene Expression in Mice. <i>Genetics</i> , 2002, 160, 1107-1112.	2.9	37
50	Dehydroepiandrosterone (DHEA) metabolism in <i>Saccharomyces cerevisiae</i> expressing mammalian steroid hydroxylase CYP7B: Ayr1p and Fox2p display 17 β -hydroxysteroid dehydrogenase activity. <i>Yeast</i> , 2002, 19, 873-886.	1.7	36
51	Neuropathological phenotype and α^{C} prion protein α^{C} genotype correlation in sporadic Creutzfeldt-Jakob disease. <i>Neuroscience Letters</i> , 1994, 179, 50-52.	2.1	35
52	Isolation and characterization of an expressed hypervariable gene coding for a breast-cancer-associated antigen. <i>Gene</i> , 1990, 93, 313-318.	2.2	31
53	A candidate marsupial PrP gene reveals two domains conserved in mammalian PrP proteins. <i>Gene</i> , 1995, 159, 181-186.	2.2	29
54	Early tides: Response to Varga et al.. <i>Icarus</i> , 2006, 180, 277-280.	2.5	28

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55	Distribution of cellular HSV-1 receptor expression in human brain. <i>Journal of NeuroVirology</i> , 2017, 23, 376-384.	2.1	28
56	Microbes and Alzheimer's Disease: New Findings Call for a Paradigm Change. <i>Trends in Neurosciences</i> , 2018, 41, 570-573.	8.6	28
57	Antiherpetic medication and incident dementia: Observational cohort studies in four countries. <i>European Journal of Neurology</i> , 2021, 28, 1840-1848.	3.3	26
58	Tidal chain reaction and the origin of replicating biopolymers. <i>International Journal of Astrobiology</i> , 2005, 4, 19-31.	1.6	25
59	Overproduction of a viral protein during infection of a lyc mutant of <i>Escherichia coli</i> with phage λ mm434. <i>Virology</i> , 1977, 83, 204-206.	2.4	24
60	Reduced dementia incidence after varicella zoster vaccination in Wales 2013-2020. <i>Alzheimer's and Dementia: Translational Research and Clinical Interventions</i> , 2022, 8, e12293.	3.7	24
61	The <i>firA</i> gene, a locus involved in the expression of rifampicin resistance in <i>Escherichia coli</i> . <i>Molecular Genetics and Genomics</i> , 1977, 154, 43-51.	2.4	23
62	<i>Vaccinia</i> recombinants expressing early bovine papilloma virus (BPV1) proteins: retardation of BPV1 tumour development. <i>Vaccine</i> , 1990, 8, 199-204.	3.8	21
63	Ontogeny of the neurosteroid enzyme <i>Cyp7b</i> in the mouse. <i>Molecular and Cellular Endocrinology</i> , 2001, 174, 137-144.	3.2	21
64	The <i>firA</i> gene, a locus involved in the expression of rifampicin resistance in <i>Escherichia coli</i> . <i>Molecular Genetics and Genomics</i> , 1977, 154, 53-60.	2.4	20
65	A conditionally lethal mutation of <i>Escherichia coli</i> affecting the gene coding for ribosomal protein S2 (<i>rpsB</i>). <i>Journal of Molecular Biology</i> , 1979, 132, 219-233.	4.2	20
66	Muramyl peptides activate innate immunity conjointly via YB1 and NOD2. <i>Innate Immunity</i> , 2016, 22, 666-673.	2.4	20
67	<i>Vaccinia</i> recombinants expressing secreted and transmembrane forms of breast cancer-associated epithelial tumour antigen (ETA). <i>Vaccine</i> , 1991, 9, 618-626.	3.8	19
68	Differential Display Detects Host Nucleic Acid Motifs Altered in Scrapie-Infected Brain. <i>Journal of Molecular Biology</i> , 2009, 392, 813-822.	4.2	18
69	Mechanism Underlying Tissue Cryotherapy to Combat Obesity/Overweight: Triggering Thermogenesis. <i>Journal of Obesity</i> , 2018, 2018, 1-10.	2.7	16
70	Transgenic animals as models for human disease: report of an EC Study Group. <i>Transgenic Research</i> , 1993, 2, 286-299.	2.4	15
71	Prion protein PrP nucleic acid binding and mobilization implicates retroelements as the replicative component of transmissible spongiform encephalopathy. <i>Archives of Virology</i> , 2020, 165, 535-556.	2.1	15
72	Prion Protein PRNP: A New Player in Innate Immunity? The $\text{A}\beta$ Connection. <i>Journal of Alzheimer's Disease Reports</i> , 2017, 1, 263-275.	2.2	14

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73	Characterization of polyoma virus early proteins expressed from vaccinia virus recombinants. <i>Gene</i> , 1988, 73, 163-173.	2.2	13
74	Analysing brain function and dysfunction in transgenic animals. <i>Neuropathology and Applied Neurobiology</i> , 1994, 20, 350-358.	3.2	13
75	Gene-trapping to identify and analyze genes expressed in the mouse hippocampus. , 1998, 8, 444-457.		13
76	Steroid promiscuity: Diversity of enzyme action. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2015, 151, 1-2.	2.5	13
77	The interoceptive hippocampus: Mouse brain endocrine receptor expression highlights a dentate gyrus (DG)â€“cornu ammonis (CA) challengeâ€“sufficiency axis. <i>PLoS ONE</i> , 2020, 15, e0227575.	2.5	13
78	RNA Polymerase of <i>Escherichia coli</i> . <i>Current Topics in Microbiology and Immunology</i> , 1978, 83, 37-91.	1.1	13
79	Breast cancer sequences identified by mouse mammary tumor virus (MMTV) antiserum are unrelated to MMTV. <i>International Journal of Cancer</i> , 1990, 46, 1134-1135.	5.1	12
80	Functional diversity and interactions between the repeat domains of rat intestinal lactase. <i>Biochemical Journal</i> , 1997, 327, 95-103.	3.7	12
81	Fusion of restriction termini using synthetic adaptor oligonucleotides. <i>Gene</i> , 1982, 20, 187-195.	2.2	11
82	Development of Animal Recombinant DNA Vaccine and Its Efficacy in Foxes. <i>Clinical Infectious Diseases</i> , 1988, 10, S799-S802.	5.8	11
83	Machine-readable DNA sequences. <i>Nature</i> , 1984, 311, 610-610.	27.8	10
84	Porphyrinuria in childhood autistic disorder is not associated with urinary creatinine deficiency. <i>Pediatrics International</i> , 2008, 50, 528-532.	0.5	9
85	From conifers to cognition: Microbes, brain and behavior. <i>Genes, Brain and Behavior</i> , 2020, 19, e12680.	2.2	9
86	Fragile X and autism. <i>Autism</i> , 2009, 13, 194-197.	4.1	8
87	Recombinant Proteins of Therapeutic Interest Expressed by Lymphoid Cell Lines Derived from Transgenic Mice. <i>Nature Biotechnology</i> , 1989, 7, 1049-1054.	17.5	7
88	Mono-allelic Expression of Variegating Transgene Locus in the Mouse. <i>Transgenic Research</i> , 2003, 12, 661-669.	2.4	7
89	Revised location of the <i>Escherichia coli</i> gene coding for ribosomal proteins S2. <i>Molecular Genetics and Genomics</i> , 1981, 182, 178-179.	2.4	6
90	Recombinant polyomaâ€“vaccinia viruses: T antigen expression vectors and anti-tumor immunization agents. <i>Biochimie</i> , 1988, 70, 1075-1087.	2.6	6

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91	Herpes Infections and Dementia: Rebutting Alternative Fact. <i>Neurotherapeutics</i> , 2019, 16, 176-179.	4.4	6
92	Tidal Cycling and the Origin of the Genetic Code: Implications for Cellular Life. <i>Cellular Origin and Life in Extreme Habitats</i> , 2012, , 691-707.	0.3	4
93	Sex Ratios Provide Evidence for Monozygotic Twinning in the Ring-Tailed Lemur, <i>Lemur catta</i> . <i>Twin Research and Human Genetics</i> , 2014, 17, 51-55.	0.6	3
94	Fatty-acylation target sequence in the ligand-binding domain of vertebrate steroid receptors demarcates evolution from estrogen-related receptors. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2018, 184, 20-28.	2.5	3
95	Chapter 2.2.3 Brain region-specific genes: the hippocampus. <i>Handbook of Behavioral Neuroscience</i> , 1999, , 212-224.	0.0	1
96	Evidence against a geographic gradient of Alzheimer's disease and the hygiene hypothesis. <i>Evolution, Medicine and Public Health</i> , 2020, 2020, 141-144.	2.5	1
97	The chemosensory brain requires a distributed cellular mechanism to harness information and resolve conflicts— <i>is consciousness the forum?</i> . <i>Behavioral and Brain Sciences</i> , 2016, 39, e184.	0.7	0
98	The Early Development of the Vaccinia— <i>Rabies Recombinant Vaccine Raboral</i> ®. , 0, , .		0
99	Author's reply to review of his book on autism. <i>BMJ: British Medical Journal</i> , 2006, 333, 352.2.	2.3	0
100	Evidence that nuclear receptors are related to terpene synthases. <i>Journal of Molecular Endocrinology</i> , 2022, 68, 153-166.	2.5	0