

# Richard Lathe

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

98  
papers

7,217  
citations

42  
h-index

84  
g-index

107  
ext. papers

7,685  
ext. citations

8.1  
avg. IF

5.85  
L-index

#	Paper	IF	Citations
98	Synthetic oligonucleotide probes deduced from amino acid sequence data. Theoretical and practical considerations. <i>Journal of Molecular Biology</i> , <b>1985</b> , 183, 1-12	6.5	752
97	Expression of rabies virus glycoprotein from a recombinant vaccinia virus. <i>Nature</i> , <b>1984</b> , 312, 163-6	50.4	386
96	Microbes and Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , <b>2016</b> , 51, 979-84	4.3	320
95	An endocrine pathway in the prostate, ERbeta, AR, 5alpha-androstane-3beta,17beta-diol, and CYP7B1, regulates prostate growth. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2002</b> , 99, 13589-94	11.5	284
94	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> , <b>1984</b> , 81, 7194-8	11.5	267
93	New versatile cloning and sequencing vectors based on bacteriophage M13. <i>Gene</i> , <b>1983</b> , 26, 91-9	3.8	262
92	Hormones and the hippocampus. <i>Journal of Endocrinology</i> , <b>2001</b> , 169, 205-31	4.7	211
91	Cyp7b, a novel brain cytochrome P450, catalyzes the synthesis of neurosteroids 7alpha-hydroxy dehydroepiandrosterone and 7alpha-hydroxy pregnenolone. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1997</b> , 94, 4925-30	11.5	196
90	The antimicrobial protection hypothesis of Alzheimer's disease. <i>Alzheimer's and Dementia</i> , <b>2018</b> , 14, 1602-1614	192	
89	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> , <b>1996</b> , 98, 259-64	6.3	189
88	Human epithelial tumor antigen cDNA sequences. Differential splicing may generate multiple protein forms. <i>FEBS Journal</i> , <b>1990</b> , 189, 463-73		183
87	Oral vaccination of the fox against rabies using a live recombinant vaccinia virus. <i>Nature</i> , <b>1986</b> , 322, 373-5	50.4	183
86	Immunization against human papillomavirus type 16 tumor cells with recombinant vaccinia viruses expressing E6 and E7. <i>Virology</i> , <b>1991</b> , 181, 62-9	3.6	149
85	Linker tailing: unphosphorylated linker oligonucleotides for joining DNA termini. <i>DNA and Cell Biology</i> , <b>1984</b> , 3, 173-82		145
84	Identification and characterization of a mouse oxysterol 7alpha-hydroxylase cDNA. <i>Journal of Biological Chemistry</i> , <b>1997</b> , 272, 23995-4001	5.4	135
83	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> , <b>1996</b> , 93, 6659-64	11.5	134
82	Mice, gene targeting and behaviour: more than just genetic background. <i>Trends in Neurosciences</i> , <b>1996</b> , 19, 183-6; discussion 188-9	13.3	130

81	A novel cytochrome P450 expressed primarily in brain. <i>Journal of Biological Chemistry</i> , <b>1995</b> , 270, 29739-45	3.4	127
80	Plasmid and bacteriophage vectors for excision of intact inserts. <i>Gene</i> , <b>1987</b> , 57, 193-201	3.8	127
79	Loss of hippocampal serine protease BSP1/neuropsin predisposes to global seizure activity. <i>Journal of Neuroscience</i> , <b>2001</b> , 21, 6993-7000	6.6	112
78	Dehydroepiandrosterone 7-hydroxylase CYP7B: predominant expression in primate hippocampus and reduced expression in Alzheimer's disease. <i>Neuroscience</i> , <b>2003</b> , 121, 307-14	3.9	99
77	Variegated gene expression in mice. <i>Trends in Genetics</i> , <b>1997</b> , 13, 127-30	8.5	96
76	Steroid and sterol 7-hydroxylation: ancient pathways. <i>Steroids</i> , <b>2002</b> , 67, 967-77	2.8	88
75	Porphyria in childhood autistic disorder: implications for environmental toxicity. <i>Toxicology and Applied Pharmacology</i> , <b>2006</b> , 214, 99-108	4.6	87
74	The individuality of mice. <i>Genes, Brain and Behavior</i> , <b>2004</b> , 3, 317-27	3.6	84
73	Cell-free synthesis of enterotoxin of E. coli from a cloned gene. <i>Nature</i> , <b>1980</b> , 284, 473-4	50.4	82
72	Atherosclerosis and Alzheimer--diseases with a common cause? Inflammation, oxysterols, vasculature. <i>BMC Geriatrics</i> , <b>2014</b> , 14, 36	4.1	78
71	Serine proteases in rodent hippocampus. <i>Journal of Biological Chemistry</i> , <b>1998</b> , 273, 23004-11	5.4	74
70	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> , <b>1990</b> , 87, 9498-502	11.5	74
69	Pharmaceuticals from transgenic livestock. <i>Trends in Biotechnology</i> , <b>1987</b> , 5, 20-24	15.1	73
68	A ubiquitous mammalian expression vector, pHMG, based on a housekeeping gene promoter. <i>Nucleic Acids Research</i> , <b>1989</b> , 17, 8389	20.1	71
67	Neurosteroid hydroxylase CYP7B: vivid reporter activity in dentate gyrus of gene-targeted mice and abolition of a widespread pathway of steroid and oxysterol hydroxylation. <i>Journal of Biological Chemistry</i> , <b>2001</b> , 276, 23937-44	5.4	70
66	Improved antigenicity of the HIV env protein by cleavage site removal. <i>Protein Engineering, Design and Selection</i> , <b>1988</b> , 2, 219-25	1.9	68
65	Fast tidal cycling and the origin of life. <i>Icarus</i> , <b>2004</b> , 168, 18-22	3.8	65
64	The methylation-free status of a housekeeping transgene is lost at high copy number. <i>Gene</i> , <b>1990</b> , 91, 179-84	3.8	64

63	Gene Transfer into Sheep. <i>Nature Biotechnology</i> , <b>1988</b> , 6, 179-183	44.5	61
62	Comparative proteomic analysis using samples obtained with laser microdissection and saturation dye labelling. <i>Proteomics</i> , <b>2005</b> , 5, 3851-8	4.8	52
61	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> , <b>1990</b> , 189, 475-86		52
60	Steroid signalling in human ovarian surface epithelial cells: the response to interleukin-1alpha determined by microarray analysis. <i>Journal of Endocrinology</i> , <b>2004</b> , 183, 19-28	4.7	50
59	Breast cancer protein PS2 synthesis in mammary gland of transgenic mice and secretion into milk. <i>Molecular Endocrinology</i> , <b>1989</b> , 3, 1579-84		47
58	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> , <b>2005</b> , 102, 2814-9	11.5	44
57	The promiscuous estrogen receptor: Evolution of physiological estrogens and response to phytochemicals and endocrine disruptors. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , <b>2018</b> , 184, 29-37	5.1	37
56	Spatiotemporal dynamics of the expression of estrogen receptors in the postnatal mouse brain. <i>Molecular Psychiatry</i> , <b>2009</b> , 14, 223-32, 117	15.1	35
55	Herpes Viruses and Senile Dementia: First Population Evidence for a Causal Link. <i>Journal of Alzheimer's Disease</i> , <b>2018</b> , 64, 363-366	4.3	34
54	Hybridization parameters revisited: solutions containing SDS. <i>BioTechniques</i> , <b>2002</b> , 33, 54-6, 58	2.5	33
53	Multiple effects of genetic background on variegated transgene expression in mice. <i>Genetics</i> , <b>2002</b> , 160, 1107-12	4	33
52	Steroid signaling: ligand-binding promiscuity, molecular symmetry, and the need for gating. <i>Steroids</i> , <b>2014</b> , 82, 14-22	2.8	32
51	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> , <b>2002</b> , 88, 967-74	7	31
50	Dehydroepiandrosterone (DHEA) metabolism in <i>Saccharomyces cerevisiae</i> expressing mammalian steroid hydroxylase CYP7B: Ayr1p and Fox2p display 17beta-hydroxysteroid dehydrogenase activity. <i>Yeast</i> , <b>2002</b> , 19, 873-86	3.4	30
49	Neuropathological phenotype and Prion protein genotype correlation in sporadic Creutzfeldt-Jakob disease. <i>Neuroscience Letters</i> , <b>1994</b> , 179, 50-2	3.3	30
48	Isolation and characterization of an expressed hypervariable gene coding for a breast-cancer-associated antigen. <i>Gene</i> , <b>1990</b> , 93, 313-8	3.8	28
47	A candidate marsupial PrP gene reveals two domains conserved in mammalian PrP proteins. <i>Gene</i> , <b>1995</b> , 159, 181-6	3.8	27
46	Overproduction of a viral protein during infection of a lyc mutant of <i>Escherichia coli</i> with phage lambdaDamm434. <i>Virology</i> , <b>1977</b> , 83, 204-6	3.6	23

45	Early tides: Response to Varga et al.. <i>Icarus</i> , <b>2006</b> , 180, 277-280	3.8	22
44	Distribution of cellular HSV-1 receptor expression in human brain. <i>Journal of NeuroVirology</i> , <b>2017</b> , 23, 376-384	3.9	21
43	Microbes and Alzheimer's Disease: New Findings Call for a Paradigm Change. <i>Trends in Neurosciences</i> , <b>2018</b> , 41, 570-573	13.3	20
42	Tidal chain reaction and the origin of replicating biopolymers. <i>International Journal of Astrobiology</i> , <b>2005</b> , 4, 19-31	1.4	20
41	The firA gene, a locus involved in the expression of rifampicin resistance in Escherichia coli. I. Characterisation of lambda <sub>firA</sub> transducing phages constructed in vitro. <i>Molecular Genetics and Genomics</i> , <b>1977</b> , 154, 43-51		20
40	Ontogeny of the neurosteroid enzyme Cyp7b in the mouse. <i>Molecular and Cellular Endocrinology</i> , <b>2001</b> , 174, 137-44	4.4	19
39	Terpenes, hormones and life: isoprene rule revisited. <i>Journal of Endocrinology</i> , <b>2019</b> , 242, R9-R22	4.7	19
38	Vaccinia recombinants expressing early bovine papilloma virus (BPV1) proteins: retardation of BPV1 tumour development. <i>Vaccine</i> , <b>1990</b> , 8, 199-204	4.1	18
37	Vaccinia recombinants expressing secreted and transmembrane forms of breast cancer-associated epithelial tumour antigen (ETA). <i>Vaccine</i> , <b>1991</b> , 9, 618-26	4.1	17
36	A conditionally lethal mutation of Escherichia coli affecting the gene coding for ribosomal protein S2 (rpsB). <i>Journal of Molecular Biology</i> , <b>1979</b> , 132, 219-33	6.5	17
35	The firA gene, a locus involved in the expression of rifampicin resistance in Escherichia coli. II. Characterisation of bacterial proteins coded by lambda <sub>firA</sub> transducing phages. <i>Molecular Genetics and Genomics</i> , <b>1977</b> , 154, 53-60		17
34	Prion Protein PRNP: A New Player in Innate Immunity? The Aβ Connection. <i>Journal of Alzheimer's Disease Reports</i> , <b>2017</b> , 1, 263-275	3.3	13
33	Differential display detects host nucleic acid motifs altered in scrapie-infected brain. <i>Journal of Molecular Biology</i> , <b>2009</b> , 392, 813-22	6.5	13
32	Transgenic animals as models for human disease--report of an EC Study Group. <i>Transgenic Research</i> , <b>1993</b> , 2, 286-99	3.3	13
31	Functional diversity and interactions between the repeat domains of rat intestinal lactase. <i>Biochemical Journal</i> , <b>1997</b> , 327 ( Pt 1), 95-103	3.8	12
30	Breast cancer sequences identified by mouse mammary tumor virus (MMTV) antiserum are unrelated to MMTV. <i>International Journal of Cancer</i> , <b>1990</b> , 46, 1134-5	7.5	12
29	Characterization of polyoma virus early proteins expressed from vaccinia virus recombinants. <i>Gene</i> , <b>1988</b> , 73, 163-73	3.8	12
28	Muramyl peptides activate innate immunity conjointly via YB1 and NOD2. <i>Innate Immunity</i> , <b>2016</b> , 22, 666-673	2.7	12

27	Steroid promiscuity: Diversity of enzyme action. Preface. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , <b>2015</b> , 151, 1-2	5.1	11
26	Analysing brain function and dysfunction in transgenic animals. <i>Neuropathology and Applied Neurobiology</i> , <b>1994</b> , 20, 350-8	5.2	11
25	RNA polymerase of Escherichia coli. <i>Current Topics in Microbiology and Immunology</i> , <b>1978</b> , 83, 37-91	3.3	11
24	Gene-trapping to identify and analyze genes expressed in the mouse hippocampus. <i>Hippocampus</i> , <b>1998</b> , 8, 444-57	3.5	10
23	Development of animal recombinant DNA vaccine and its efficacy in foxes. <i>Clinical Infectious Diseases</i> , <b>1988</b> , 10 Suppl 4, S799-802	11.6	10
22	Fusion of restriction termini using synthetic adaptor oligonucleotides. <i>Gene</i> , <b>1982</b> , 20, 187-95	3.8	10
21	Machine-readable DNA sequences. <i>Nature</i> , <b>1984</b> , 311, 610	50.4	8
20	Antiherpetic medication and incident dementia: Observational cohort studies in four countries. <i>European Journal of Neurology</i> , <b>2021</b> , 28, 1840-1848	6	8
19	Mechanism Underlying Tissue Cryotherapy to Combat Obesity/Overweight: Triggering Thermogenesis. <i>Journal of Obesity</i> , <b>2018</b> , 2018, 5789647	3.7	8
18	Prion protein PrP nucleic acid binding and mobilization implicates retroelements as the replicative component of transmissible spongiform encephalopathy. <i>Archives of Virology</i> , <b>2020</b> , 165, 535-556	2.6	7
17	Porphyria in childhood autistic disorder is not associated with urinary creatinine deficiency. <i>Pediatrics International</i> , <b>2008</b> , 50, 528-32	1.2	7
16	Mono-allelic expression of variegating transgene locus in the mouse. <i>Transgenic Research</i> , <b>2003</b> , 12, 661-93	3.3	6
15	The interoceptive hippocampus: Mouse brain endocrine receptor expression highlights a dentate gyrus (DG)-cornu ammonis (CA) challenge-sufficiency axis. <i>PLoS ONE</i> , <b>2020</b> , 15, e0227575	3.7	5
14	Fragile X and autism. <i>Autism</i> , <b>2009</b> , 13, 194-7	6.6	5
13	Recombinant Proteins of Therapeutic Interest Expressed by Lymphoid Cell Lines Derived from Transgenic Mice. <i>Nature Biotechnology</i> , <b>1989</b> , 7, 1049-1054	44.5	5
12	Recombinant polyoma-vaccinia viruses: T antigen expression vectors and anti-tumor immunization agents. <i>Biochimie</i> , <b>1988</b> , 70, 1075-87	4.6	5
11	Herpes Infections and Dementia: Rebutting Alternative Fact. <i>Neurotherapeutics</i> , <b>2019</b> , 16, 176-179	6.4	5
10	Revised location of the Escherichia coli gene coding for ribosomal protein S2. <i>Molecular Genetics and Genomics</i> , <b>1981</b> , 182, 178-9		4

9	From conifers to cognition: Microbes, brain and behavior. <i>Genes, Brain and Behavior</i> , <b>2020</b> , 19, e12680	3.6	2
8	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> , <b>2018</b> , 184, 20-28	5.1	2
7	Sex ratios provide evidence for monozygotic twinning in the ring-tailed lemur, <i>Lemur catta</i> . <i>Twin Research and Human Genetics</i> , <b>2014</b> , 17, 51-5	2.2	2
6	Antiherpetic medication and incident dementia: observational cohort studies in four countries		2
5	Tidal Cycling and the Origin of the Genetic Code: Implications for Cellular Life. <i>Cellular Origin and Life in Extreme Habitats</i> , <b>2012</b> , 691-707		1
4	Evidence against a geographic gradient of Alzheimer's disease and the hygiene hypothesis. <i>Evolution, Medicine and Public Health</i> , <b>2020</b> , 2020, 141-144	3	1
3	Reduced dementia incidence after varicella zoster vaccination in Wales 2013-2020.. <i>Alzheimer's and Dementia: Translational Research and Clinical Interventions</i> , <b>2022</b> , 8, e12293	6	1
2	Chapter 2.2.3 Brain region-specific genes: the hippocampus. <i>Handbook of Behavioral Neuroscience</i> , <b>1999</b> , 212-224		
1	The chemosensory brain requires a distributed cellular mechanism to harness information and resolve conflicts—is consciousness the forum?. <i>Behavioral and Brain Sciences</i> , <b>2016</b> , 39, e184	0.9	