Mark L Tizard

List of Publications by Year
in descending order

62	3,642	159585 30	133252 59
papers	citations	h-index	g-index

63	63	63	3333
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Sequence and characteristics or IS900, an insertion element identified in a human Crohn's disease isolate orMycobacterium paratuberculosis. Nucleic Acids Research, 1989, 17, 9063-9073.	14.5	473
2	Mycobacterium paratuberculosis DNA in Crohn's disease tissue.. Gut, 1992, 33, 890-896.	12.1	340
3	Primary structure of the precursor to the three major surface antigens of Plasmodium falciparum merozoites. Nature, 1985, 317, 270-273.	27.8	298
4	A microRNA catalog of the developing chicken embryo identified by a deep sequencing approach. Genome Research, 2008, 18, 957-964.	5.5	282
5	Polymerase chain reaction detection of Mycobacterium paratuberculosis and Mycobacterium avium subsp silvaticum in long term cultures from Crohn's disease and control tissues.. Gut, 1992, 33, 1209-1213.	12.1	173
6	Two-year-outcomes analysis of Crohn's disease treated with rifabutin and macrolide antibiotics. Journal of Antimicrobial Chemotherapy, 1997, 39, 393-400.	3.0	156
7	Solid-Phase Hybridization Capture of Low-Abundance Target DNA Sequences: Application to the Polymerase Chain Reaction Detection of Mycobacterium paratuberculosis and Mycobacterium avium subsp. silvaticum. Analytical Biochemistry, 1995, 226, 325-330.	2.4	104
8	Characterization of IS900 loci in Mycobacterium avium subsp. paratuberculosis and development of multiplex PCR typing The GenBank accession numbers for the sequences reported in this paper are AJ011838, AJ250015â€“AJ250023 and AJ251434â€“AJ251437.. Microbiology (United Kingdom), 2000, 146, 2185-2197.	1.8	103
9	Sexually Dimorphic MicroRNA Expression During Chicken Embryonic Gonadal Development1. Biology of Reproduction, 2009, 81, 165-176.	2.7	92
10	IS902, an insertion element of the chronic-enteritis-causing Mycobacterium avium subsp. silvaticum. Journal of General Microbiology, 1992, 138, 139-145.	2.3	89
11	Genomic Comparison of Mycobacterium avium subsp. paratuberculosis Sheep and Cattle Strains by Microarray Hybridization. Journal of Bacteriology, 2006, 188, 2290-2293.	2.2	78
12	Specific detection of Mycobacterium paratuberculosis by DNA hybridisation with a fragment of the insertion element IS900.. Gut, 1991, 32, 395-398.	12.1	76
13	New Weapons in the Toad Toolkit: A Review of Methods to Control and Mitigate the Biodiversity Impacts of Invasive Cane Toads (Rhinella Marina). Quarterly Review of Biology, 2017, 92, 123-149.	0.1	74
14	Manipulation of Estrogen Synthesis Alters MIR202* Expression in Embryonic Chicken Gonads1. Biology of Reproduction, 2011, 85, 22-30.	2.7	61
15	Glycerol Monooleate-Based Nanocarriers for siRNA Delivery in Vitro. Molecular Pharmaceutics, 2012, 9, 2450-2457.	4.6	61
16	miRNA_Targets: A database for miRNA target predictions in coding and non-coding regions of mRNAs. Genomics, 2012, 100, 352-356.	2.9	59
17	Differential screening of a human pancreatic adenocarcinoma Î»gt11 expression library has identified increased transcription of elongation factor ef-1Î± in tumour cells. International Journal of Cancer, 1992, 50, 740-745.	5.1	57
18	Promotion of Hendra Virus Replication by MicroRNA 146a. Journal of Virology, 2013, 87, 3782-3791.	3.4	54

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19	The effect of RAFT-derived cationic block copolymer structure on gene silencing efficiency. Biomaterials, 2012, 33, 7631-7642.	11.4	53
20	Identifying knowledge gaps for gene drive research to control invasive animal species: The next CRISPR step. Global Ecology and Conservation, 2018, 13, e00363.	2.1	52
21	A long-term study in Angora goats experimentally infected with Mycobacterium avium subsp. paratuberculosis: Clinical disease, faecal culture and immunological studies. Veterinary Microbiology, 2006, 113, 13-24.	1.9	47
22	A long-term study in Merino sheep experimentally infected with subsp. : clinical disease, faecal culture and immunological studies. Veterinary Microbiology, 2004, 104, 165-178.	1.9	43
23	The potential role of microRNAs in regulating gonadal sex differentiation in the chicken embryo. Chromosome Research, 2012, 20, 201-213.	2.2	43
24	Identifying and detecting potentially adverse ecological outcomes associated with the release of gene-drive modified organisms. Journal of Responsible Innovation, 2018, 5, S139-S158.	4.9	43
25	A versatile system for the expression of nonmodified bacteriocins in Escherichia coli. Journal of Applied Microbiology, 2005, 98, 676-683.	3.1	40
26	A long-term bacteriological and immunological study in Holstein-Friesian cattle experimentally infected with Mycobacterium avium subsp. paratuberculosis and necropsy culture results for Holstein-Friesian cattle, Merino sheep and Angora goats. Veterinary Microbiology, 2007, 122, 83-96.	1.9	40
27	A low G+C content genetic island in Mycobacterium avium subsp. paratuberculosis and M. avium subsp. silvaticum with homologous genes in Mycobacterium tuberculosis. Microbiology (United Kingdom), 1998, 144, 3413-3423.	1.8	39
28	Generation of gene edited birds in one generation using sperm transfection assisted gene editing (STAGE). Transgenic Research, 2017, 26, 331-347.	2.4	39
29	Core Degradable Star RAFT Polymers: Synthesis, Polymerization, and Degradation Studies. Macromolecules, 2013, 46, 9181-9188.	4.8	36
30	Molecular biology of Crohn's disease mycobacteria. Bailliere's Clinical Gastroenterology, 1990, 4, 23-42.	0.9	35
31	The bacteriocin piscicolin 126 retains antilisterial activity in vivo. Journal of Antimicrobial Chemotherapy, 2003, 51, 1365-1371.	3.0	32
32	Advances in genetic engineering of the avian genome: â€œRealising the promiseâ€• Transgenic Research, 2016, 25, 307-319.	2.4	29
33	p43, the protein product of the atypical insertion sequence IS900, is expressed in Mycobacterium paratuberculosis. Journal of General Microbiology, 1992, 138, 1729-1736.	2.3	28
34	Identification, Expression, and Regulation of Anti-MÃ¼llerian Hormone Type-II Receptor in the Embryonic Chicken Gonad1. Biology of Reproduction, 2014, 90, 106.	2.7	28
35	Characterisation of novel microRNAs in the Black flying fox (Pteropus alecto) by deep sequencing. BMC Genomics, 2014, 15, 682.	2.8	28
36	Characterization of IS900 loci in Mycobacterium avium subsp. paratuberculosis and development of multiplex PCR typing. Microbiology (United Kingdom), 2000, 146, 3285-3285.	1.8	25

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37	Innovative approaches to genome editing in avian species. Journal of Animal Science and Biotechnology, 2018, 9, 15.	5.3	23
38	IS900 targets translation initiation signals in Mycobacterium avium subsp. paratuberculosis to facilitate expression of its hed gene. Microbiology (United Kingdom), 1997, 143, 547-552.	1.8	21
39	Measles virus and Crohn's disease. Lancet, The, 1995, 345, 922-923.	13.7	20
40	Strategies to enable the adoption of animal biotechnology to sustainably improve global food safety and security. Transgenic Research, 2016, 25, 575-595.	2.4	20
41	In Vivo Inhibition of Mareká€™s Disease Virus in Transgenic Chickens Expressing Cas9 and gRNA against ICP4. Microorganisms, 2021, 9, 164.	3.6	20
42	Synthesis and evaluation of degradable polyurea block copolymers as siRNA delivery agents. Acta Biomaterialia, 2013, 9, 8299-8307.	8.3	18
43	Towards progressive regulatory approaches for agricultural applications of animal biotechnology. Transgenic Research, 2022, 31, 167-199.	2.4	18
44	Further studies on the GS element A novel mycobacterial insertion sequence (IS1612), inserted into an acetylase gene (mpa) in Mycobacterium avium subsp. silvaticum but not in Mycobacterium avium subsp. paratuberculosis. Veterinary Microbiology, 2000, 77, 453-463.	1.9	17
45	Development of a Johne's disease infection model in laboratory rabbits following oral administration of Mycobacterium avium subspecies paratuberculosis. Veterinary Microbiology, 2005, 105, 207-213.	1.9	17
46	Recovery of Mycobacterium avium subspecies paratuberculosis from the natural host for the extraction and analysis in vivo-derived RNA. Journal of Microbiological Methods, 2004, 57, 241-249.	1.6	16
47	Comparing Gene Silencing and Physiochemical Properties in siRNA Bound Cationic Star-Polymer Complexes. Biomacromolecules, 2016, 17, 3532-3546.	5.4	16
48	Sex selection in layer chickens. Animal Production Science, 2018, 58, 476.	1.3	16
49	Potential benefits of gene editing for the future of poultry farming. Transgenic Research, 2019, 28, 87-92.	2.4	16
50	Germline engineering of the chicken genome using CRISPR/Cas9 by inÂvivo transfection of PGCs. Animal Biotechnology, 2023, 34, 775-784.	1.5	15
51	Inhibition of influenza virusin vivoby siRNA delivered using ABA triblock copolymer synthesized by reversible addition-fragmentation chain-transfer polymerization. Nanomedicine, 2014, 9, 1141-1154.	3.3	13
52	Overexpressing ovotransferrin and avian Î²-defensin-3 improves antimicrobial capacity of chickens and poultry products. Transgenic Research, 2019, 28, 51-76.	2.4	12
53	Biodistribution of polymer hydrogel capsules for the delivery of therapeutics. Acta Biomaterialia, 2012, 8, 3251-3260.	8.3	11
54	miRNA modulation of SOCS1 using an influenza A virus delivery system. Journal of General Virology, 2014, 95, 1880-1885.	2.9	11

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55	RNA interference-based technology: what role in animal agriculture?. Animal Production Science, 2017, 57, 1.	1.3	11
56	Differential T cell response induced by certain recombinant oligopeptides of herpes simplex virus glycoprotein B in mice.. Journal of General Virology, 1997, 78, 1625-1632.	2.9	8
57	Genome editing in poultry - opportunities and impacts. , 2017, 1, .		4
58	Visualising single molecules of HIV-1 and miRNA nucleic acids. BMC Cell Biology, 2013, 14, 21.	3.0	3
59	Manipulation of small RNAs to modify the chicken transcriptome and enhance productivity traits. Cytogenetic and Genome Research, 2007, 117, 158-164.	1.1	2
60	Marker counter-selection via CRISPR/Cas9 co-targeting for efficient generation of genome edited avian cell lines and germ cells. Animal Biotechnology, 2022, 33, 1235-1245.	1.5	2
61	Conditions for Investment in Genetic Biocontrol of Pest Vertebrates in Australia. Frontiers in Agronomy, 2022, 3, .	3.3	1
62	Harnessing Intronic microRNA Structures to Improve Tolerance and Expression of shRNAs in Animal Cells. Methods and Protocols, 2022, 5, 18.	2.0	1