

Roz Laing

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

1,294
citations

430874

18
h-index

642732

23
g-index

27
all docs

27
docs citations

27
times ranked

1419
citing authors

#	ARTICLE	IF	CITATIONS
1	Transcriptomic analyses implicate neuronal plasticity and chloride homeostasis in ivermectin resistance and response to treatment in a parasitic nematode. <i>PLoS Pathogens</i> , 2022, 18, e1010545.	4.7	19
2	Small RNAs in parasitic nematodes – forms and functions. <i>Parasitology</i> , 2020, 147, 855-864.	1.5	23
3	Genomic and transcriptomic variation defines the chromosome-scale assembly of <i>Haemonchus contortus</i> , a model gastrointestinal worm. <i>Communications Biology</i> , 2020, 3, 656.	4.4	91
4	Genotypic characterisation of monepantel resistance in historical and newly derived field strains of <i>Teladorsagia circumcincta</i> . <i>International Journal for Parasitology: Drugs and Drug Resistance</i> , 2019, 11, 59-69.	3.4	7
5	The confounding effects of high genetic diversity on the determination and interpretation of differential gene expression analysis in the parasitic nematode <i>Haemonchus contortus</i> . <i>International Journal for Parasitology</i> , 2019, 49, 847-858.	3.1	10
6	Evaluation of DNA Extraction Methods on Individual Helminth Egg and Larval Stages for Whole-Genome Sequencing. <i>Frontiers in Genetics</i> , 2019, 10, 826.	2.3	30
7	Refugia and anthelmintic resistance: Concepts and challenges. <i>International Journal for Parasitology: Drugs and Drug Resistance</i> , 2019, 10, 51-57.	3.4	65
8	Population genomic and evolutionary modelling analyses reveal a single major QTL for ivermectin drug resistance in the pathogenic nematode, <i>Haemonchus contortus</i> . <i>BMC Genomics</i> , 2019, 20, 218.	2.8	68
9	Profiling microRNAs through development of the parasitic nematode <i>Haemonchus</i> identifies nematode-specific miRNAs that suppress larval development. <i>Scientific Reports</i> , 2019, 9, 17594.	3.3	25
10	A Genome Resequencing-Based Genetic Map Reveals the Recombination Landscape of an Outbred Parasitic Nematode in the Presence of Polyploidy and Polyandry. <i>Genome Biology and Evolution</i> , 2018, 10, 396-409.	2.5	58
11	Transcriptomic profiling of nematode parasites surviving vaccine exposure. <i>International Journal for Parasitology</i> , 2018, 48, 395-402.	3.1	20
12	UDP-glycosyltransferase family in <i>Haemonchus contortus</i> : Phylogenetic analysis, constitutive expression, sex-differences and resistance-related differences. <i>International Journal for Parasitology: Drugs and Drug Resistance</i> , 2018, 8, 420-429.	3.4	28
13	Hidden in plain sight - Multiple resistant species within a strongyle community. <i>Veterinary Parasitology</i> , 2018, 258, 79-87.	1.8	15
14	Ivermectin – Old Drug, New Tricks?. <i>Trends in Parasitology</i> , 2017, 33, 463-472.	3.3	278
15	Increased Expression of a MicroRNA Correlates with Anthelmintic Resistance in Parasitic Nematodes. <i>Frontiers in Cellular and Infection Microbiology</i> , 2017, 7, 452.	3.9	25
16	Analysis of putative resistance gene loci in UK field populations of <i>Haemonchus contortus</i> after 6 years of macrocyclic lactone use. <i>International Journal for Parasitology</i> , 2016, 46, 621-630.	3.1	19
17	Evidence from two independent backcross experiments supports genetic linkage of microsatellite <i>Hcms8a20</i> , but not other candidate loci, to a major ivermectin resistance locus in <i>Haemonchus contortus</i> . <i>International Journal for Parasitology</i> , 2016, 46, 653-661.	3.1	27
18	Reliable reference gene selection for quantitative real time PCR in <i>Haemonchus contortus</i> . <i>Molecular and Biochemical Parasitology</i> , 2015, 201, 123-127.	1.1	15

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19	The genome and transcriptome of <i>Haemonchus contortus</i> , a key model parasite for drug and vaccine discovery. <i>Genome Biology</i> , 2013, 14, R88.	9.6	293
20	Characterization and comparative analysis of the complete <i>Haemonchus contortus</i> β -tubulin gene family and implications for benzimidazole resistance in strongylid nematodes. <i>International Journal for Parasitology</i> , 2013, 43, 465-475.	3.1	53
21	The Transcriptional Response of <i>Caenorhabditis elegans</i> to Ivermectin Exposure Identifies Novel Genes Involved in the Response to Reduced Food Intake. <i>PLoS ONE</i> , 2012, 7, e31367.	2.5	31
22	Annotation of Two Large Contiguous Regions from the <i>Haemonchus contortus</i> Genome Using RNA-seq and Comparative Analysis with <i>Caenorhabditis elegans</i> . <i>PLoS ONE</i> , 2011, 6, e23216.	2.5	22
23	Characterization of the xenobiotic response of <i>Caenorhabditis elegans</i> to the anthelmintic drug albendazole and the identification of novel drug glucoside metabolites. <i>Biochemical Journal</i> , 2010, 432, 505-516.	3.7	59