

Rongchang Yang

List of Publications by Year in descending order

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95
papers

2,398
citations

186265

28
h-index

254184

43
g-index

100
all docs

100
docs citations

100
times ranked

2162
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison of next-generation droplet digital PCR (ddPCR) with quantitative PCR (qPCR) for enumeration of <i>Cryptosporidium</i> oocysts in faecal samples. <i>International Journal for Parasitology</i> , 2014, 44, 1105-1113.	3.1	152
2	Specific and quantitative detection and identification of <i>Cryptosporidium hominis</i> and <i>C. parvum</i> in clinical and environmental samples. <i>Experimental Parasitology</i> , 2013, 135, 142-147.	1.2	123
3	Prevalence and molecular characterisation of <i>Cryptosporidium</i> and <i>Giardia</i> species in pre-weaned sheep in Australia. <i>Veterinary Parasitology</i> , 2009, 161, 19-24.	1.8	94
4	Incomplete Systemic Recovery and Metabolic Phenoreversion in Post-Acute-Phase Nonhospitalized COVID-19 Patients: Implications for Assessment of Post-Acute COVID-19 Syndrome. <i>Journal of Proteome Research</i> , 2021, 20, 3315-3329.	3.7	85
5	Systemic Perturbations in Amine and Kynurenine Metabolism Associated with Acute SARS-CoV-2 Infection and Inflammatory Cytokine Responses. <i>Journal of Proteome Research</i> , 2021, 20, 2796-2811.	3.7	81
6	Molecular characterization of <i>Cryptosporidium</i> and <i>Giardia</i> in pre-weaned calves in Western Australia and New South Wales. <i>Veterinary Parasitology</i> , 2011, 176, 145-150.	1.8	67
7	Identification of zoonotic <i>Cryptosporidium</i> and <i>Giardia</i> genotypes infecting animals in Sydney's water catchments. <i>Experimental Parasitology</i> , 2011, 128, 138-144.	1.2	65
8	<i>Cryptosporidium huwi</i> n. sp. (Apicomplexa: Eimeriidae) from the guppy (<i>Poecilia reticulata</i>). <i>Experimental Parasitology</i> , 2015, 150, 31-35.	1.2	64
9	Identification of rare and novel <i>Cryptosporidium</i> GP60 subtypes in human isolates from Jordan. <i>Experimental Parasitology</i> , 2010, 125, 161-164.	1.2	59
10	<i>Giardia</i> genotypes in pigs in Western Australia: Prevalence and association with diarrhea. <i>Experimental Parasitology</i> , 2009, 121, 381-383.	1.2	57
11	Longitudinal prevalence, oocyst shedding and molecular characterisation of <i>Cryptosporidium</i> species in sheep across four states in Australia. <i>Veterinary Parasitology</i> , 2014, 200, 50-58.	1.8	54
12	Longitudinal investigation of protozoan parasites in meat lamb farms in southern Western Australia. <i>Preventive Veterinary Medicine</i> , 2011, 101, 192-203.	1.9	53
13	Molecular characterization of <i>Cryptosporidium</i> and <i>Giardia</i> in farmers and their ruminant livestock from the Coastal Savannah zone of Ghana. <i>Infection, Genetics and Evolution</i> , 2017, 55, 236-243.	2.3	50
14	Genetic characterization of <i>Cryptosporidium</i> in animal and human isolates from Jordan. <i>Veterinary Parasitology</i> , 2016, 228, 116-120.	1.8	48
15	Zoonotic <i>Cryptosporidium</i> Species in Animals Inhabiting Sydney Water Catchments. <i>PLoS ONE</i> , 2016, 11, e0168169.	2.5	47
16	New insights into the evolution of wheat avenin-like proteins in wild emmer wheat (<i>Triticum</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 1 2018, 115, 13312-13317.	7.1	46
17	Molecular characterisation of <i>Cryptosporidium</i> and <i>Giardia</i> in cats (<i>Felis catus</i>) in Western Australia. <i>Experimental Parasitology</i> , 2015, 155, 13-18.	1.2	42
18	Wheat grain protein accumulation and polymerization mechanisms driven by nitrogen fertilization. <i>Plant Journal</i> , 2018, 96, 1160-1177.	5.7	42

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19	High prevalence <i>Giardia duodenalis</i> assemblage B and potentially zoonotic subtypes in sporadic human cases in Western Australia. <i>International Journal for Parasitology</i> , 2010, 40, 293-297.	3.1	40
20	Identification of zoonotic <i>Giardia</i> genotypes in marsupials in Australia. <i>Experimental Parasitology</i> , 2008, 120, 88-93.	1.2	37
21	Complete development and multiplication of <i>Cryptosporidium hominis</i> in cell-free culture. <i>Veterinary Parasitology</i> , 2010, 169, 29-36.	1.8	36
22	Molecular characterization of <i>Eimeria</i> species in macropods. <i>Experimental Parasitology</i> , 2012, 132, 216-221.	1.2	35
23	Development of a quantitative PCR (qPCR) for <i>Giardia</i> and analysis of the prevalence, cyst shedding and genotypes of <i>Giardia</i> present in sheep across four states in Australia. <i>Experimental Parasitology</i> , 2014, 137, 46-52.	1.2	32
24	Comparison of Sanger and next generation sequencing performance for genotyping <i>Cryptosporidium</i> isolates at the 18S rRNA and actin loci. <i>Experimental Parasitology</i> , 2015, 151-152, 21-27.	1.2	32
25	Longitudinal prevalence and faecal shedding of <i>Chlamydia pecorum</i> in sheep. <i>Veterinary Journal</i> , 2014, 201, 322-326.	1.7	31
26	<i>Isoospora serinuse</i> n. sp. (Apicomplexa: Eimeriidae) from a domestic canary (<i>Serinus canaria</i> forma) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 59-66.	1.2	31
27	Identification of zoonotic <i>Giardia</i> genotypes in fish. <i>International Journal for Parasitology</i> , 2010, 40, 779-785.	3.1	29
28	Genetic diversity of <i>Cryptosporidium</i> in fish at the 18S and actin loci and high levels of mixed infections. <i>Veterinary Parasitology</i> , 2015, 214, 255-263.	1.8	29
29	Gastrointestinal helminths in farmers and their ruminant livestock from the Coastal Savannah zone of Ghana. <i>Parasitology Research</i> , 2018, 117, 3183-3194.	1.6	29
30	Transcriptomic Study for Identification of Major Nitrogen Stress Responsive Genes in Australian Bread Wheat Cultivars. <i>Frontiers in Genetics</i> , 2020, 11, 583785.	2.3	29
31	NAM gene allelic composition and its relation to grain-filling duration and nitrogen utilisation efficiency of Australian wheat. <i>PLoS ONE</i> , 2018, 13, e0205448.	2.5	28
32	Prevalence and risk factors associated with gastrointestinal parasites in ruminant livestock in the Coastal Savannah zone of Ghana. <i>Acta Tropica</i> , 2019, 199, 105126.	2.0	26
33	Single chain antibody fragments for ocular use produced at high levels in a commercial wheat variety. <i>Journal of Biotechnology</i> , 2007, 129, 539-546.	3.8	25
34	Identification of novel <i>Cryptosporidium</i> genotypes in kangaroos from Western Australia. <i>Veterinary Parasitology</i> , 2011, 179, 22-27.	1.8	25
35	Novel <i>Eimeria</i> sp. isolated from a Kingâ€™s skink (<i>Egernia kingii</i>) in Western Australia. <i>Experimental Parasitology</i> , 2013, 133, 162-165.	1.2	25
36	Greater intensity and frequency of <i>Cryptosporidium</i> and <i>Giardia</i> oocyst shedding beyond the neonatal period is associated with reductions in growth, carcass weight and dressing efficiency in sheep. <i>Veterinary Parasitology</i> , 2016, 228, 42-51.	1.8	25

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37	A simultaneous exploratory and quantitative amino acid and biogenic amine metabolic profiling platform for rapid disease phenotyping via UPLC-QToF-MS. <i>Talanta</i> , 2021, 223, 121872.	5.5	23
38	<i>Isospora anthochaerae</i> n. sp. (Apicomplexa: Eimeriidae) from a Red wattlebird (<i>Anthochaera</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 707 T 1-7.	1.2	22
39	<i>Cryptosporidium</i> in fish: alternative sequencing approaches and analyses at multiple loci to resolve mixed infections. <i>Parasitology</i> , 2017, 144, 1811-1820.	1.5	21
40	Effect of dung burial by the dung beetle <i>Bubas bison</i> on numbers and viability of <i>Cryptosporidium</i> oocysts in cattle dung. <i>Experimental Parasitology</i> , 2011, 129, 1-4.	1.2	20
41	Morphological and molecular characterization of <i>Isospora manorinae</i> n. sp. in a yellow-throated miner (<i>Manorina flavigula wayensis</i>) (Gould, 1840). <i>Experimental Parasitology</i> , 2016, 163, 16-23.	1.2	19
42	Molecular characterisation of a disseminated <i>Cryptosporidium</i> infection in a Koi carp (<i>Cyprinus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 54 19	1.8	19
43	Prevalence of <i>Cryptosporidium</i> species in recreational versus non-recreational water sources. <i>Experimental Parasitology</i> , 2012, 131, 399-403.	1.2	18
44	A new <i>Caryospora</i> coccidian species (Apicomplexa: Eimeriidae) from the laughing kookaburra (<i>Dacelo</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 18	1.2	18
45	Longitudinal prevalence, oocyst shedding and molecular characterisation of <i>Eimeria</i> species in sheep across four states in Australia. <i>Experimental Parasitology</i> , 2014, 145, 14-21.	1.2	18
46	Morphological and molecular characterization of an uninucleated cyst-producing <i>Entamoeba</i> spp. in captured Rangeland goats in Western Australia. <i>Veterinary Parasitology</i> , 2017, 235, 41-46.	1.8	17
47	Associations of NAM-A1 alleles with the onset of senescence and nitrogen use efficiency under Western Australian conditions. <i>Euphytica</i> , 2018, 214, 1.	1.2	17
48	PREVALENCE OF <i>COXIELLA BURNETII</i> IN WESTERN GREY KANGAROOS (<i>MACROPUS FULIGINOSUS</i>) IN WESTERN AUSTRALIA. <i>Journal of Wildlife Diseases</i> , 2011, 47, 821-828.	0.8	16
49	Molecular characterisation of the NAM-1 genes in bread wheat in Australia. <i>Crop and Pasture Science</i> , 2018, 69, 1173.	1.5	16
50	<i>Cryptosporidium</i> infection is associated with reduced growth and diarrhoea in goats beyond weaning. <i>Veterinary Parasitology</i> , 2018, 260, 30-37.	1.8	16
51	Prevalence of <i>Giardia</i> spp. infection in pre-weaned and weaned calves in relation to management factors. <i>Veterinary Journal</i> , 2012, 191, 135-137.	1.7	15
52	Longitudinal prevalence, faecal shedding and molecular characterisation of <i>Campylobacter</i> spp. and <i>Salmonella enterica</i> in sheep. <i>Veterinary Journal</i> , 2014, 202, 250-254.	1.7	15
53	Target validation of the inosine monophosphate dehydrogenase (IMPDH) gene in <i>Cryptosporidium</i> using Phylomer® peptides. <i>Experimental Parasitology</i> , 2015, 148, 40-48.	1.2	15
54	Molecular investigation into the presence of a <i>Coxiella</i> sp. in <i>Rhipicephalus sanguineus</i> ticks in Australia. <i>Veterinary Microbiology</i> , 2017, 201, 141-145.	1.9	15

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55	Morphological and molecular characterization of three <i>Eimeria</i> species from captured rangeland goats in Western Australia. <i>Veterinary Parasitology: Regional Studies and Reports</i> , 2017, 9, 75-83.	0.5	15
56	Morphological and molecular characterization of <i>Eimeria paludosa</i> coccidian parasite (Apicomplexa:Eimeriidae) in a dusky moorhen (<i>Gallinula tenebrosa</i> , Gould, 1846) in Australia. <i>Experimental Parasitology</i> , 2014, 147, 16-22.	1.2	14
57	Morphological and molecular characterization of <i>Eimeria labbeana</i> -like (Apicomplexa:Eimeriidae) in a domestic pigeon (<i>Columba livia domestica</i> , Gmelin, 1789) in Australia. <i>Experimental Parasitology</i> , 2016, 166, 124-130.	1.2	14
58	Prevalence and pathogen load of <i>Campylobacter</i> spp., <i>Salmonella enterica</i> and <i>Escherichia coli</i> O157/O145 serogroup in sheep faeces collected at sale yards and in abattoir effluent in Western Australia. <i>Australian Veterinary Journal</i> , 2017, 95, 143-148.	1.1	13
59	Further characterisation of two <i>Eimeria</i> species (<i>Eimeria quokka</i> and <i>Eimeria setonicis</i>) in quokkas (<i>Setonix brachyurus</i>). <i>Experimental Parasitology</i> , 2014, 138, 48-54.	1.2	12
60	Morphological and molecular characterization of <i>Eimeria purpureicephali</i> n. sp. (Apicomplexa:Eimeriidae) in a red-capped parrot (<i>Purpureicephalus spurius</i> , Kuhl, 1820) in Western Australia. <i>International Journal for Parasitology: Parasites and Wildlife</i> , 2016, 5, 34-39.	1.5	12
61	<i>Isoospora streperae</i> n. sp. (Apicomplexa: Eimeriidae) from a grey currawong (<i>Strepera versicolour</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 11 49-55.	1.2	11
62	Validation of cell-free culture using scanning electron microscopy (SEM) and gene expression studies. <i>Experimental Parasitology</i> , 2015, 153, 55-62.	1.2	11
63	Prevalence and pathogen load of <i>Cryptosporidium</i> and <i>Giardia</i> in sheep faeces collected from saleyards and in abattoir effluent in Western Australia. <i>Small Ruminant Research</i> , 2015, 130, 216-220.	1.2	11
64	Morphological and molecular characterization of <i>Isoospora neochmiae</i> n. sp. in a captive-bred red-browed finch (<i>Neochmia temporalis</i>) (Latham, 1802). <i>Experimental Parasitology</i> , 2016, 166, 181-188.	1.2	11
65	First genetic characterisation of <i>Giardia</i> in human isolates from Jordan. <i>Parasitology Research</i> , 2016, 115, 3723-3729.	1.6	10
66	Chronic <i>Cystoisospora belli</i> infection in an immunocompetent Myanmar refugee – microscopy is not sensitive enough. <i>BMC Infectious Diseases</i> , 2016, 16, 221.	2.9	10
67	Comparison of ELISA, nested PCR and sequencing and a novel qPCR for detection of <i>Giardia</i> isolates from Jordan. <i>Experimental Parasitology</i> , 2018, 185, 23-28.	1.2	10
68	Yield-Related QTL Clusters and the Potential Candidate Genes in Two Wheat DH Populations. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11934.	4.1	10
69	Zoonotic <i>Cryptosporidium</i> and <i>Giardia</i> shedding by captured rangeland goats. <i>Veterinary Parasitology: Regional Studies and Reports</i> , 2017, 7, 32-35.	0.5	9
70	Characterization of two complete <i>Isoospora</i> mitochondrial genomes from passerine birds: <i>Isoospora serinuse</i> in a domestic canary and <i>Isoospora manorinae</i> in a yellow-throated miner. <i>Veterinary Parasitology</i> , 2017, 237, 137-142.	1.8	8
71	<i>Salmonella enterica</i> isolates from Western Australian rangeland goats remain susceptible to critically important antimicrobials. <i>Scientific Reports</i> , 2018, 8, 15326.	3.3	8
72	<i>Eimeria</i> spp. infecting quenda (<i>Isodon obesulus</i>) in the greater Perth region, Western Australia. <i>Experimental Parasitology</i> , 2016, 170, 148-155.	1.2	7

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73	<i>Eimeria tiliquae</i> n. sp. (Apicomplexa: Eimeriidae) from the shingleback skink (<i>Tiliqua rugosa rugosa</i>). <i>Experimental Parasitology</i> , 2013, 133, 144-149.	1.2	6
74	<i>Eimeria collieie</i> n. sp. (Apicomplexa:Eimeriidae) from the western long-necked turtle (<i>Chelodina</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 70	1.2	6
75	Morphological and molecular characterization of <i>Eimeria haematodi</i> , coccidian parasite (Apicomplexa: Eimeriidae) in a rainbow lorikeet (<i>Trichoglossus haematodus</i>). <i>Experimental Parasitology</i> , 2015, 153, 123-128.	1.2	6
76	Morphological and molecular characterization of <i>Choleoeimeria pogonae</i> n. sp. coccidian parasite (Apicomplexa: Eimeriidae, 1989, Paperna and Landsberg) in a western bearded dragon (<i>Pogona minor</i>) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.2	6
77	Morphological and molecular characterisation of <i>Isospora butcheriae</i> n. sp. in a silvereye (<i>Zosterops</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	1.6	6
78	<i>Isospora coronoideae</i> n. sp. (Apicomplexa: Eimeriidae) from the Australian raven (<i>Corvus coronoides</i>) (Passeriformes: Corvidae) (Linnaeus, 1758) in Western Australia. <i>Parasitology Research</i> , 2019, 118, 2399-2408.	1.6	6
79	Further characterisation of <i>Leucocytozoon podargii</i> in wild tawny frogmouths (<i>Podargus</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	1.6	5
80	Prevalence, faecal shedding and genetic characterisation of <i>Yersinia</i> spp. in sheep across four states of Australia. <i>Australian Veterinary Journal</i> , 2016, 94, 129-137.	1.1	4
81	Detection of <i>Chlamydia pecorum</i> in joints trimmed from ovine carcasses with arthritis at an abattoir in southern Australia. <i>Small Ruminant Research</i> , 2017, 150, 80-86.	1.2	4
82	Molecular characterisation of <i>Salmonella enterica</i> serovar Typhimurium and <i>Campylobacter jejuni</i> faecal carriage by captured rangeland goats. <i>Small Ruminant Research</i> , 2018, 158, 48-53.	1.2	4
83	Faecal shedding of pathogenic <i>Yersinia enterocolitica</i> determined by qPCR for yst virulence gene is associated with reduced live weight but not diarrhoea in prime lambs. <i>Preventive Veterinary Medicine</i> , 2018, 152, 56-64.	1.9	4
84	Morphological and molecular characterisation of <i>Eimeria vison</i> -like oocysts (Apicomplexa:Eimeriidae) in farmed mink (<i>Neovison vison</i>) in Denmark. <i>Parasitology Research</i> , 2018, 117, 2933-2939.	1.6	4
85	Molecular and morphological analysis of a <i>Caryospora</i> -like isolate (Apicomplexa: Eimeriidae) from the magpie-lark (<i>Grallina cyanoleuca</i>) (Latham, 1801) in Western Australia. <i>Parasitology Research</i> , 2020, 119, 611-621.	1.6	4
86	Morphological and molecular description of a new species of <i>Isospora</i> (Apicomplexa) from a New Holland honeyeater (<i>Phylidonyris novaehollandiae</i>). <i>Parasitology International</i> , 2021, 83, 102348.	1.3	4
87	COCCIDIOSIS IN GREEN TURTLES (<i>CHELONIA MYDAS</i>) IN AUSTRALIA: PATHOGENESIS, SPATIAL AND TEMPORAL DISTRIBUTION, AND CLIMATE-RELATED DETERMINANTS OF DISEASE OUTBREAKS. <i>Journal of Wildlife Diseases</i> , 2020, 56, 359.	0.8	4
88	Morphological and genetic characterization of the first <i>Isospora</i> species (<i>I. lugensae</i> n. sp.) from a Kerguelen petrel (<i>Lugensa brevirostris</i>). <i>Parasitology Research</i> , 2021, 120, 1037-1047.	1.6	3
89	Identification of a novel species of <i>Eimeria</i> Schneider, 1875 from the woylie, <i>Bettongia penicillata</i> Gray (Diprotodontia: Potoroidae) and the genetic characterisation of three <i>Eimeria</i> spp. from other potoroid marsupials. <i>Systematic Parasitology</i> , 2019, 96, 553-563.	1.1	2
90	Morphological and molecular characterization of a new species of <i>Isospora</i> Schneider, 1881 (Apicomplexa: Eimeriidae) from the western wattlebird <i>Anthochaera lunulata</i> Gould in Western Australia. <i>Current Research in Parasitology and Vector-borne Diseases</i> , 2021, 1, 100050.	1.9	2

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91	Eimeria spp. and Tyzzeria pernicioso (Apicomplexa: Eimeriidae) from a Pacific black duck <i>Anas superciliosa</i> Gmelin (Aves: Anseriformes) in Western Australia. <i>Current Research in Parasitology and Vector-borne Diseases</i> , 2022, 2, 100075.	1.9	2
92	COCCIDIOSIS IN GREEN TURTLES () IN AUSTRALIA: PATHOGENESIS, SPATIAL AND TEMPORAL DISTRIBUTION, AND CLIMATE-RELATED DETERMINANTS OF DISEASE OUTBREAKS. <i>Journal of Wildlife Diseases</i> , 2020, 56, 359-371.	0.8	2
93	Morphological and genetic characterization of <i>Eimeria chalcopterea</i> n. sp. (Apicomplexa: Eimeriidae) in a common bronzewing pigeon (<i>Phaps chalcoptera</i>) (Latham, 1790) in Western Australia. <i>Parasitology Research</i> , 2020, 119, 3729-3737.	1.6	1
94	Morphological and molecular characterization of <i>Isospora amphiboluri</i> (Apicomplexa: Eimeriidae), a coccidian parasite, in a central netted dragon (<i>Ctenophorus nuchalis</i>) (De Vis, 1884) in Australia. <i>Parasitology International</i> , 2021, 84, 102386.	1.3	0
95	Observations on the health of <i>Tandanus tropicanus</i> (Teleostei: Plotosidae) from an Australian river system. <i>Australian Zoologist</i> , 2016, 38, 83-89.	1.1	0