

# Conor R Caffrey

## List of Publications by Year in descending order

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86  
papers

3,564  
citations

159585

30  
h-index

155660

55  
g-index

124  
all docs

124  
docs citations

124  
times ranked

3566  
citing authors

#	ARTICLE	IF	CITATIONS
1	Brazilian green propolis reduces worm burden and hepatic granuloma formation in a <i>Schistosoma mansoni</i> experimental murine model. <i>Parasitology Research</i> , 2022, 121, 775-780.	1.6	2
2	Biomechanical interactions of <i>Schistosoma mansoni</i> eggs with vascular endothelial cells facilitate egg extravasation. <i>PLoS Pathogens</i> , 2022, 18, e1010309.	4.7	3
3	Druggable Hot Spots in the Schistosomiasis Cathepsin B1 Target Identified by Functional and Binding Mode Analysis of Potent Vinyl Sulfone Inhibitors. <i>ACS Infectious Diseases</i> , 2021, 7, 1077-1088.	3.8	9
4	Azanitrile Inhibitors of the SmCB1 Protease Target Are Lethal to <i>Schistosoma mansoni</i> : Structural and Mechanistic Insights into Chemotype Reactivity. <i>ACS Infectious Diseases</i> , 2021, 7, 189-201.	3.8	9
5	Congeners Derived from Microtubule-Active Phenylpyrimidines Produce a Potent and Long-Lasting Paralysis of <i>Schistosoma mansoni</i> In Vitro. <i>ACS Infectious Diseases</i> , 2021, 7, 1089-1103.	3.8	6
6	Understanding the key processes of excellence as a prerequisite to establishing academic centres of excellence in Africa. <i>BMC Medical Education</i> , 2021, 21, 36.	2.4	7
7	A Machine Learning Strategy for Drug Discovery Identifies Anti-Schistosomal Small Molecules. <i>ACS Infectious Diseases</i> , 2021, 7, 406-420.	3.8	18
8	Lead Optimization of 3,5-Disubstituted-7-Azaindoles for the Treatment of Human African Trypanosomiasis. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 9404-9430.	6.4	6
9	Antiparasitic Properties of Propolis Extracts and Their Compounds. <i>Chemistry and Biodiversity</i> , 2021, 18, e2100310.	2.1	13
10	Structure-Based Optimization of Quinazolines as Cruzain and <i>Tbr</i> CATL Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 13054-13071.	6.4	19
11	Should the enzyme name <i>rhodesain</i> ™ be discontinued?. <i>Molecular and Biochemical Parasitology</i> , 2021, 245, 111395.	1.1	8
12	Anti-schistosomal activities of quinoxaline-containing compounds: From hit identification to lead optimisation. <i>European Journal of Medicinal Chemistry</i> , 2021, 226, 113823.	5.5	8
13	Hit-to-Lead Optimization of Benzoxazepinoindazoles As Human African Trypanosomiasis Therapeutics. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 2527-2546.	6.4	11
14	Selectivity and Physicochemical Optimization of Repurposed Pyrazolo[1,5- <i>b</i> ]pyridazines for the Treatment of Human African Trypanosomiasis. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 756-783.	6.4	10
15	A single-cell RNA-seq atlas of <i>Schistosoma mansoni</i> identifies a key regulator of blood feeding. <i>Science</i> , 2020, 369, 1644-1649.	12.6	108
16	Uncovering Biological Application of Brazilian Green Propolis: A Phenotypic Screening against <i>Schistosoma mansoni</i> . <i>Chemistry and Biodiversity</i> , 2020, 17, e2000277.	2.1	3
17	Identification of anisomycin, prodigiosin and obatoclax as compounds with broad-spectrum anti-parasitic activity. <i>PLoS Neglected Tropical Diseases</i> , 2020, 14, e0008150.	3.0	20
18	Isoforms of Cathepsin B1 in Neurotropic Schistosomula of <i>Trichobilharzia regenti</i> Differ in Substrate Preferences and a Highly Expressed Catalytically Inactive Paralog Binds Cystatin. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 66.	3.9	3

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19	Design, synthesis, and <i>in vitro</i> evaluation of aza-peptide aldehydes and ketones as novel and selective protease inhibitors. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2020, 35, 1387-1402.	5.2	6
20	Efficacy, metabolism and pharmacokinetics of Ro 15-5458, a forgotten schistosomicidal 9-acridanone hydrazone. <i>Journal of Antimicrobial Chemotherapy</i> , 2020, 75, 2925-2932.	3.0	3
21	Synthesis and Bioactivity of Phthalimide Analogs as Potential Drugs to Treat Schistosomiasis, a Neglected Disease of Poverty. <i>Pharmaceuticals</i> , 2020, 13, 25.	3.8	9
22	Novel and selective inactivators of Triosephosphate isomerase with anti-trematode activity. <i>Scientific Reports</i> , 2020, 10, 2587.	3.3	12
23	Structure–Bioactivity Relationships of Lapatinib Derived Analogs against <i>Schistosoma mansoni</i> . <i>ACS Medicinal Chemistry Letters</i> , 2020, 11, 258-265.	2.8	2
24	A multi-dimensional, time-lapse, high content screening platform applied to schistosomiasis drug discovery. <i>Communications Biology</i> , 2020, 3, 747.	4.4	16
25	Title is missing!. , 2020, 14, e0008150.		0
26	Title is missing!. , 2020, 14, e0008150.		0
27	Title is missing!. , 2020, 14, e0008150.		0
28	Title is missing!. , 2020, 14, e0008150.		0
29	Development and optimization of a high-throughput screening method utilizing <i>Ancylostoma ceylanicum</i> egg hatching to identify novel anthelmintics. <i>PLoS ONE</i> , 2019, 14, e0217019.	2.5	16
30	The Proteasome as a Drug Target in the Metazoan Pathogen, <i>Schistosoma mansoni</i> . <i>ACS Infectious Diseases</i> , 2019, 5, 1802-1812.	3.8	25
31	Molecular characterization and functional analysis of the <i>Schistosoma mekongi</i> Ca <sup>2+</sup> -dependent cysteine protease (calpain). <i>Parasites and Vectors</i> , 2019, 12, 383.	2.5	13
32	Benzimidazole inhibitors of the major cysteine protease of <i>Trypanosoma brucei</i> . <i>Future Medicinal Chemistry</i> , 2019, 11, 1537-1551.	2.3	7
33	A secreted schistosome cathepsin B1 cysteine protease and acute schistosome infection induce a transient T helper 17 response. <i>PLoS Neglected Tropical Diseases</i> , 2019, 13, e0007070.	3.0	20
34	Discovery and characterization of trypanocidal cysteine protease inhibitors from the “malaria box”™. <i>European Journal of Medicinal Chemistry</i> , 2019, 179, 765-778.	5.5	19
35	Bioactivity of Farnesyltransferase Inhibitors Against <i>Entamoeba histolytica</i> and <i>Schistosoma mansoni</i> . <i>Frontiers in Cellular and Infection Microbiology</i> , 2019, 9, 180.	3.9	12
36	Evaluation of a class of isatinoids identified from a high-throughput screen of human kinase inhibitors as anti-Sleeping Sickness agents. <i>PLoS Neglected Tropical Diseases</i> , 2019, 13, e0007129.	3.0	4

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37	Quantifying the mechanics of locomotion of the schistosome pathogen with respect to changes in its physical environment. <i>Journal of the Royal Society Interface</i> , 2019, 16, 20180675.	3.4	13
38	Multi-center screening of the Pathogen Box collection for schistosomiasis drug discovery. <i>Parasites and Vectors</i> , 2019, 12, 493.	2.5	20
39	High Throughput and Computational Repurposing for Neglected Diseases. <i>Pharmaceutical Research</i> , 2019, 36, 27.	3.5	37
40	Sertraline, Paroxetine, and Chlorpromazine Are Rapidly Acting Anthelmintic Drugs Capable of Clinical Repurposing. <i>Scientific Reports</i> , 2018, 8, 975.	3.3	64
41	Octopamine-signaling in the metazoan pathogen, <i>Schistosoma mansoni</i> : localization, small-molecule screening and opportunities for drug development. <i>DMM Disease Models and Mechanisms</i> , 2018, 11, .	2.4	6
42	TPT sulfonate, a single, oral dose schistosomicidal prodrug: In vivo efficacy, disposition and metabolic profiling. <i>International Journal for Parasitology: Drugs and Drug Resistance</i> , 2018, 8, 571-586.	3.4	13
43	Cysteine proteases during larval migration and development of helminths in their final host. <i>PLoS Neglected Tropical Diseases</i> , 2018, 12, e0005919.	3.0	27
44	Brainâ€Penetrant Triazolopyrimidine and Phenylpyrimidine Microtubule Stabilizers as Potential Leads to Treat Human African Trypanosomiasis. <i>ChemMedChem</i> , 2018, 13, 1751-1754.	3.2	19
45	SmSP2: A serine protease secreted by the blood fluke pathogen <i>Schistosoma mansoni</i> with anti-hemostatic properties. <i>PLoS Neglected Tropical Diseases</i> , 2018, 12, e0006446.	3.0	26
46	Substrate Specificity of Cysteine Proteases Beyond the S2 Pocket: Mutagenesis and Molecular Dynamics Investigation of <i>Fasciola hepatica</i> Cathepsins L. <i>Frontiers in Molecular Biosciences</i> , 2018, 5, 40.	3.5	10
47	Effect of Phenotypic Screening of Extracts and Fractions of <i>Erythrophleum ivorense</i> Leaf and Stem Bark on Immature and Adult Stages of <i>Schistosoma mansoni</i> . <i>Journal of Parasitology Research</i> , 2018, 2018, 1-7.	1.2	13
48	Cysteine proteases as digestive enzymes in parasitic helminths. <i>PLoS Neglected Tropical Diseases</i> , 2018, 12, e0005840.	3.0	82
49	Targeting proteasomes in infectious organisms to combat disease. <i>FEBS Journal</i> , 2017, 284, 1503-1517.	4.7	40
50	Phenotypic, chemical and functional characterization of cyclic nucleotide phosphodiesterase 4 (PDE4) as a potential anthelmintic drug target. <i>PLoS Neglected Tropical Diseases</i> , 2017, 11, e0005680.	3.0	36
51	Odanacatib, a Cathepsin K Cysteine Protease Inhibitor, Kills Hookworm In Vivo. <i>Pharmaceuticals</i> , 2016, 9, 39.	3.8	7
52	Open Source Drug Discovery with the Malaria Box Compound Collection for Neglected Diseases and Beyond. <i>PLoS Pathogens</i> , 2016, 12, e1005763.	4.7	244
53	Structure-Bioactivity Relationship for Benzimidazole Thiophene Inhibitors of Polo-Like Kinase 1 (PLK1), a Potential Drug Target in <i>Schistosoma mansoni</i> . <i>PLoS Neglected Tropical Diseases</i> , 2016, 10, e0004356.	3.0	56
54	Evaluation of the CCA Immuno-Chromatographic Test to Diagnose <i>Schistosoma mansoni</i> in Minas Gerais State, Brazil. <i>PLoS Neglected Tropical Diseases</i> , 2016, 10, e0004357.	3.0	18

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55	Sex-Biased Transcriptome of <i>Schistosoma mansoni</i> : Host-Parasite Interaction, Genetic Determinants and Epigenetic Regulators Are Associated with Sexual Differentiation. <i>PLoS Neglected Tropical Diseases</i> , 2016, 10, e0004930.	3.0	57
56	Excretion/secretion products from <i>Schistosoma mansoni</i> adults, eggs and schistosomula have unique peptidase specificity profiles. <i>Biochimie</i> , 2016, 122, 99-109.	2.6	31
57	Prolyl Oligopeptidase from the Blood Fluke <i>Schistosoma mansoni</i> : From Functional Analysis to Anti-schistosomal Inhibitors. <i>PLoS Neglected Tropical Diseases</i> , 2015, 9, e0003827.	3.0	34
58	The QDREC web server: determining dose-response characteristics of complex macroparasites in phenotypic drug screens. <i>Bioinformatics</i> , 2015, 31, 1515-1518.	4.1	21
59	Synthesis of a Sugar-Based Thiosemicarbazone Series and Structure-Activity Relationship versus the Parasite Cysteine Proteases Rhodesain, Cruzain, and <i>Schistosoma mansoni</i> Cathepsin B1. <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 2666-2677.	3.2	57
60	<i>Caenorhabditis elegans</i> is a useful model for anthelmintic discovery. <i>Nature Communications</i> , 2015, 6, 7485.	12.8	163
61	Regulation of <i>Schistosoma mansoni</i> Development and Reproduction by the Mitogen-Activated Protein Kinase Signaling Pathway. <i>PLoS Neglected Tropical Diseases</i> , 2014, 8, e2949.	3.0	73
62	Trypsin- and Chymotrypsin-Like Serine Proteases in <i>Schistosoma mansoni</i> – The Undiscovered Country™. <i>PLoS Neglected Tropical Diseases</i> , 2014, 8, e2766.	3.0	31
63	Serum albumin and $\alpha$ -1 acid glycoprotein impede the killing of <i>Schistosoma mansoni</i> by the tyrosine kinase inhibitor Imatinib. <i>International Journal for Parasitology: Drugs and Drug Resistance</i> , 2014, 4, 287-295.	3.4	34
64	Activation Route of the <i>Schistosoma mansoni</i> Cathepsin B1 Drug Target: Structural Map with a Glycosaminoglycan Switch. <i>Structure</i> , 2014, 22, 1786-1798.	3.3	34
65	Chemical and Genetic Validation of the Statin Drug Target to Treat the Helminth Disease, Schistosomiasis. <i>PLoS ONE</i> , 2014, 9, e87594.	2.5	62
66	Cure of Hookworm Infection with a Cysteine Protease Inhibitor. <i>PLoS Neglected Tropical Diseases</i> , 2012, 6, e1680.	3.0	28
67	Mapping the Pro-Peptide of the <i>Schistosoma mansoni</i> Cathepsin B1 Drug Target: Modulation of Inhibition by Heparin and Design of Mimetic Inhibitors. <i>ACS Chemical Biology</i> , 2011, 6, 609-617.	3.4	34
68	Structural Basis for Inhibition of Cathepsin B Drug Target from the Human Blood Fluke, <i>Schistosoma mansoni</i> . <i>Journal of Biological Chemistry</i> , 2011, 286, 35770-35781.	3.4	60
69	RNA Interference in <i>Schistosoma mansoni</i> Schistosomula: Selectivity, Sensitivity and Operation for Larger-Scale Screening. <i>PLoS Neglected Tropical Diseases</i> , 2010, 4, e850.	3.0	107
70	Chapter 4 Peptidases of Trematodes. <i>Advances in Parasitology</i> , 2009, 69, 205-297.	3.2	70
71	SmCL3, a Gastrodermal Cysteine Protease of the Human Blood Fluke <i>Schistosoma mansoni</i> . <i>PLoS Neglected Tropical Diseases</i> , 2009, 3, e449.	3.0	45
72	Differential use of protease families for invasion by schistosome cercariae. <i>Biochimie</i> , 2008, 90, 345-358.	2.6	100

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73	Schistosomiasis Mansoni: Novel Chemotherapy Using a Cysteine Protease Inhibitor. PLoS Medicine, 2007, 4, e14.	8.4	229
74	Chemical Composition and Cruzain Inhibitory Activity of <i>Croton draco</i> Bark Essential Oil from Monteverde, Costa Rica. Natural Product Communications, 2007, 2, 1934578X0700200.	0.5	4
75	Cruzain Inhibitory Activity of Leaf Essential Oils of Neotropical Lauraceae and Essential Oil Components. Natural Product Communications, 2007, 2, 1934578X0700201.	0.5	18
76	3-O-(3-Hydroxytetradecanoyl)lupeol from <i>Sorocea trophoides</i> Inhibits Cruzain. Natural Product Communications, 2007, 2, 1934578X0700200.	0.5	6
77	Inhibition of Cruzain by Triterpenoids Isolated from a <i>Salacia</i> Species from Monteverde, Costa Rica. Natural Product Communications, 2007, 2, 1934578X0700201.	0.5	5
78	Chemotherapy of schistosomiasis: present and future. Current Opinion in Chemical Biology, 2007, 11, 433-439.	6.1	251
79	A Multienzyme Network Functions in Intestinal Protein Digestion by a Platyhelminth Parasite. Journal of Biological Chemistry, 2006, 281, 39316-39329.	3.4	214
80	Multiple cathepsin B isoforms in schistosomula of <i>Trichobilharzia regenti</i> : identification, characterisation and putative role in migration and nutrition. International Journal for Parasitology, 2005, 35, 895-910.	3.1	50
81	Blood $\alpha$ -guts: an update on schistosome digestive peptidases. Trends in Parasitology, 2004, 20, 241-248.	3.3	147
82	Functional expression and characterization of <i>Schistosoma mansoni</i> cathepsin B and its trans-activation by an endogenous asparaginyl endopeptidase. Molecular and Biochemical Parasitology, 2003, 131, 65-75.	1.1	147
83	Screening of acyl hydrazide proteinase inhibitors for antiparasitic activity against <i>Trypanosoma brucei</i> . International Journal of Antimicrobial Agents, 2002, 19, 227-231.	2.5	30
84	SmCB2, a novel tegumental cathepsin B from adult <i>Schistosoma mansoni</i> . Molecular and Biochemical Parasitology, 2002, 121, 49-61.	1.1	69
85	Identification of a cDNA encoding an active asparaginyl endopeptidase of <i>Schistosoma mansoni</i> and its expression in <i>Pichia pastoris</i> . FEBS Letters, 2000, 466, 244-248.	2.8	64
86	Discovery of pH-Selective Marine and Plant Natural Product Inhibitors of Cathepsin B Revealed by Screening at Acidic and Neutral pH Conditions. ACS Omega, 0, , .	3.5	2