Kenneth M Pfarr

List of Publications by Year
in descending order

85	3,472	172457	155660
papers	citations	29 h-index	55 g-index

100	100	100	2551
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Towards the sustainable discovery and development of new antibiotics. Nature Reviews Chemistry, 2021, 5, 726-749.	30.2	439
2	Wolbachia endobacteria depletion by doxycycline as antifilarial therapy has macrofilaricidal activity in onchocerciasis: a randomized placebo-controlled study. Medical Microbiology and Immunology, 2008, 197, 295-311.	4.8	216
3	Doxycycline Reduces Plasma VEGF-C/sVEGFR-3 and Improves Pathology in Lymphatic Filariasis. PLoS Pathogens, 2006, 2, e92.	4.7	160
4	Doxycycline as a novel strategy against bancroftian filariasis?depletion of Wolbachia endosymbionts from Wuchereria bancrofti and stop of microfilaria production. Medical Microbiology and Immunology, 2003, 192, 211-216.	4.8	137
5	Filariasis and lymphoedema. Parasite Immunology, 2009, 31, 664-672.	1.5	127
6	Filariasis in Africaâ€"treatment challenges and prospects. Clinical Microbiology and Infection, 2011, 17, 977-985.	6.0	125
7	A Randomized, Double-Blind Clinical Trial of a 3-Week Course of Doxycycline plus Albendazole and Ivermectin for the Treatment of Wuchereria bancrofti Infection. Clinical Infectious Diseases, 2006, 42, 1081-1089.	5.8	102
8	Extracellular Onchocerca-derived small RNAs in host nodules and blood. Parasites and Vectors, 2015, 8, 58.	2.5	98
9	Macrofilaricidal effect of 4â€ƒweeks of treatment with doxycycline on Wuchereria bancrofti. Tropical Medicine and International Health, 2007, 12, 1433-1441.	2.3	94
10	Doxycycline Treatment ofBrugia malayiâ€"Infected Persons Reduces Microfilaremia and Adverse Reactions after Diethylcarbamazine and Albendazole Treatment. Clinical Infectious Diseases, 2008, 46, 1385-1393.	5.8	89
11	Evidence against Wolbachia symbiosis in Loa loa. Parasites and Vectors, 2003, 2, 9.	1.3	80
12	Functional conservation of the lipid II biosynthesis pathway in the cell wallâ€less bacteria Chlamydia and Wolbachia: why is lipid II needed?. Molecular Microbiology, 2009, 73, 913-923.	2.5	73
13	Corallopyronin A Specifically Targets and Depletes Essential Obligate Wolbachia Endobacteria From Filarial Nematodes In Vivo. Journal of Infectious Diseases, 2012, 206, 249-257.	4.0	70
14	Macrofilaricidal Activity and Amelioration of Lymphatic Pathology in Bancroftian Filariasis after 3 Weeks of Doxycycline Followed by Single-Dose Diethylcarbamazine. American Journal of Tropical Medicine and Hygiene, 2009, 81, 702-711.	1.4	69
15	Plasma Vascular Endothelial Growth Factor-A (VEGF-A) and VEGF-A Gene Polymorphism are Associated with Hydrocele Development in Lymphatic Filariasis. American Journal of Tropical Medicine and Hygiene, 2007, 77, 601-608.	1.4	59
16	Antibiotic Chemotherapy of Onchocerciasis: In a Bovine Model, Killing of Adult Parasites Requires a Sustained Depletion of Endosymbiotic Bacteria (WolbachiaSpecies). Journal of Infectious Diseases, 2005, 192, 1483-1493.	4.0	57
17	Repurposing of approved drugs from the human pharmacopoeia to target Wolbachia endosymbionts of onchocerciasis and lymphatic filariasis. International Journal for Parasitology: Drugs and Drug Resistance, 2014, 4, 278-286.	3.4	57
18	Reduction in Levels of Plasma Vascular Endothelial Growth Factor-A and Improvement in Hydrocele Patients by Targeting Endosymbiotic Wolbachia sp. in Wuchereria bancrofti with Doxycycline. American Journal of Tropical Medicine and Hygiene, 2009, 80, 956-963.	1.4	52

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19	Risk factors for epilepsy in Bas-UÃ©lÃ© Province, Democratic Republic of the Congo: a caseâ€“control study. International Journal of Infectious Diseases, 2016, 49, 1-8.	3.3	51
20	RNAi mediated silencing of actin expression in adult Litomosoides sigmodontis is specific, persistent and results in a phenotype. International Journal for Parasitology, 2006, 36, 661-669.	3.1	47
21	Frequent detection of worm movements in onchocercal nodules by ultrasonography. Parasites and Vectors, 2005, 4, 1.	1.3	44
22	Infection of the intermediate mite host with Wolbachia-depleted Litomosoides sigmodontis microfilariae: Impaired L1 to L3 development and subsequent sex-ratio distortion in adult worms. International Journal for Parasitology, 2008, 38, 981-987.	3.1	43
23	Mitochondrial genes for heme-dependent respiratory chain complexes are up-regulated after depletion of Wolbachia from filarial nematodes. International Journal for Parasitology, 2010, 40, 1193-1202.	3.1	43
24	Endo16, a Large Multidomain Protein Found on the Surface and ECM of Endodermal Cells during Sea Urchin Gastrulation, Binds Calcium. Developmental Biology, 1994, 165, 73-85.	2.0	41
25	Corallopyronin A â€“ A promising antibiotic for treatment of filariasis. International Journal of Medical Microbiology, 2014, 304, 72-78.	3.6	41
26	Insights into Structureâ€“Activity Relationships of Bacterial RNA Polymerase Inhibiting Corallopyronin Derivatives. Journal of Natural Products, 2015, 78, 2505-2509.	3.0	40
27	Macrofilaricidal Activity inWuchereria bancroftiafter 2 Weeks Treatment with a Combination of Rifampicin plus Doxycycline. Journal of Parasitology Research, 2011, 2011, 1-9.	1.2	39
28	Requirement of lipid II biosynthesis for cell division in cell wall-less Wolbachia, endobacteria of arthropods and filarial nematodes. International Journal of Medical Microbiology, 2013, 303, 140-149.	3.6	36
29	The ratio of calprotectin to total protein as a diagnostic and prognostic marker for spontaneous bacterial peritonitis in patients with liver cirrhosis and ascites. Clinical Chemistry and Laboratory Medicine, 2015, 53, 2031-9.	2.3	35
30	The blackfly vectors and transmission of Onchocerca volvulus in Mahenge, south eastern Tanzania. Acta Tropica, 2018, 181, 50-59.	2.0	33
31	The Efficacy of Doxycycline Treatment on Mansonella perstans Infection: An Open-Label, Randomized Trial in Ghana. American Journal of Tropical Medicine and Hygiene, 2019, 101, 84-92.	1.4	31
32	NOD2 dependent neutrophil recruitment is required for early protective immune responses against infectious Litomosoides sigmodontis L3 larvae. Scientific Reports, 2016, 6, 39648.	3.3	30
33	The Annotated Genome of Wolbachia from the Filarial Nematode Brugia malayi: What It Means for Progress in Antifilarial Medicine. PLoS Medicine, 2005, 2, e110.	8.4	29
34	Wuchereria bancrofti-infected individuals harbor distinct IL-10-producing regulatory B and T cell subsets which are affected by anti-filarial treatment. PLoS Neglected Tropical Diseases, 2019, 13, e0007436.	3.0	29
35	Antibiotics which Target the Wolbachia Endosymbionts of Filarial Parasites: A New Strategy for Control of Filariasis and Amelioration of Pathology. Mini-Reviews in Medicinal Chemistry, 2006, 6, 203-210.	2.4	28
36	Retarded Onchocerca volvulus L1 to L3 larval development in the Simulium damnosum vector after anti-wolbachial treatment of the human host. Parasites and Vectors, 2012, 5, 12.	2.5	28

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37	In vivo kinetics of Wolbachia depletion by ABBV-4083 in L. sigmodontis adult worms and microfilariae. PLoS Neglected Tropical Diseases, 2019, 13, e0007636.	3.0	27
38	Reduction in levels of plasma vascular endothelial growth factor-A and improvement in hydrocele patients by targeting endosymbiotic Wolbachia sp. in Wuchereria bancrofti with doxycycline. American Journal of Tropical Medicine and Hygiene, 2009, 80, 956-63.	1.4	27
39	Quinolone-fused cyclic sulfonamide as a novel benign antifilarial agent. Scientific Reports, 2018, 8, 12073.	3.3	26
40	Corallopyronin A for short-course anti-wolbachial, macrofilaricidal treatment of filarial infections. PLoS Neglected Tropical Diseases, 2020, 14, e0008930.	3.0	26
41	On the taxonomic status of the intracellular bacterium Wolbachia pipientis: should this species name include the intracellular bacteria of filarial nematodes?. International Journal of Systematic and Evolutionary Microbiology, 2007, 57, 1677-1678.	1.7	25
42	Combinations of registered drugs reduce treatment times required to deplete Wolbachia in the Litomosoides sigmodontis mouse model. PLoS Neglected Tropical Diseases, 2018, 12, e0006116.	3.0	25
43	Plasma vascular endothelial growth Factor-A (VEGF-A) and VEGF-A gene polymorphism are associated with hydrocele development in lymphatic filariasis. American Journal of Tropical Medicine and Hygiene, 2007, 77, 601-8.	1.4	25
44	Transforming growth factorâ€“Î²1 variant Leu10Pro is associated with both lack of microfilariae and differential microfilarial loads in the blood of persons infected with lymphatic filariasis. Human Immunology, 2011, 72, 1143-1148.	2.4	24
45	A Selective Inhibitor of Heme Biosynthesis in Endosymbiotic Bacteria Elicits Antifilarial Activity InÂVitro. Chemistry and Biology, 2013, 20, 177-187.	6.0	24
46	Involvement of Toll-like receptor 4 in the embryogenesis of the rodent filaria Litomosoides sigmodontis. Medical Microbiology and Immunology, 2003, 192, 53-56.	4.8	23
47	Successful long-term maintenance of Mansonella perstans in an in vitro culture system. Parasites and Vectors, 2017, 10, 563.	2.5	23
48	Orientia tsutsugamushi Is Highly Susceptible to the RNA Polymerase Switch Region Inhibitor Corallopyronin A In Vitro and In Vivo. Antimicrobial Agents and Chemotherapy, 2018, 62, .	3.2	23
49	Nitric Oxide Synthase in Filariae: Demonstration of Nitric Oxide Production by Embryos in Brugia malayi and Acanthocheilonema viteae. Experimental Parasitology, 2001, 97, 205-214.	1.2	21
50	Validation of onchocerciasis biomarker N -acetyltyramine- O -glucuronide (NATOG). Bioorganic and Medicinal Chemistry Letters, 2017, 27, 3436-3440.	2.2	20
51	Brugia malayi: Localization of Nitric Oxide Synthase in a Lymphatic Filariid. Experimental Parasitology, 2000, 94, 92-98.	1.2	19
52	The ClpP peptidase of Wolbachia endobacteria is a novel target for drug development against filarial infections. Journal of Antimicrobial Chemotherapy, 2013, 68, 1790-1800.	3.0	19
53	Differential display of genes expressed in the filarial nematode Litomosoides sigmodontis reveals a putative phosphate permease up-regulated after depletion of Wolbachia endobacteria. International Journal of Medical Microbiology, 2006, 296, 287-299.	3.6	18
54	A niche for Wolbachia. Trends in Parasitology, 2007, 23, 5-7.	3.3	18

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55	Single nucleotide polymorphisms in the angiogenic and lymphangiogenic pathways are associated with lymphedema caused by Wuchereria bancrofti. Human Genomics, 2017, 11, 26.	2.9	17
56	The mitochondrial heat shock protein 60 (HSP60) is up-regulated inOnchocerca volvulusafter the depletion ofWolbachia. Parasitology, 2008, 135, 529-538.	1.5	16
57	Effective inhibition of rifampicin-resistant Chlamydia trachomatis by the novel DNA-dependent RNA polymerase inhibitor corallopyronin A. International Journal of Antimicrobial Agents, 2018, 52, 523-524.	2.5	16
58	ADLOC: An Aptamerâ€Ðisplacement Assay Based on Luminescent Oxygen Channeling. Chemistry - A European Journal, 2010, 16, 11100-11107.	3.3	15
59	In vitro maintenance of Mansonella perstans microfilariae and its relevance for drug screening. Experimental Parasitology, 2019, 206, 107769.	1.2	15
60	Differential susceptibility of Onchocerca volvulus microfilaria to ivermectin in two areas of contrasting history of mass drug administration in Cameroon: relevance of microscopy and molecular techniques for the monitoring of skin microfilarial repopulation within six months of direct observed treatment. BMC Infectious Diseases, 2020, 20, 726.	2.9	15
61	Lipid profiling of the filarial nematodes Onchocerca volvulus, Onchocerca ochengi and Litomosoides sigmodontis reveals the accumulation of nematode-specific ether phospholipids in the host. International Journal for Parasitology, 2017, 47, 903-912.	3.1	14
62	Elaborations on Corallopyronin A as a Novel Treatment Strategy Against Genital Chlamydial Infections. Frontiers in Microbiology, 2019, 10, 943.	3.5	14
63	Real-time PCR detection of the HhaI tandem DNA repeat in pre- and post-patent Brugia malayi infections: a study in Indonesian transmigrants. Parasites and Vectors, 2014, 7, 146.	2.5	13
64	Specific K39 antibody response and its persistence after treatment in patients with imported leishmaniasis. Parasitology Research, 2016, 115, 761-769.	1.6	13
65	The Mbam drainage system and onchocerciasis transmission post ivermectin mass drug administration (MDA) campaign, Cameroon. PLoS Neglected Tropical Diseases, 2021, 15, e0008926.	3.0	13
66	Corallopyronin A: antimicrobial discovery to preclinical development. Natural Product Reports, 2022, 39, 1705-1720.	10.3	13
67	AmiD Is a Novel Peptidoglycan Amidase in Wolbachia Endosymbionts of Drosophila melanogaster. Frontiers in Cellular and Infection Microbiology, 2017, 7, 353.	3.9	12
68	Solubility and Stability Enhanced Oral Formulations for the Anti-Infective Corallopyronin A. Pharmaceutics, 2020, 12, 1105.	4.5	12
69	Onchocerca volvulus transmission in the Mbam valley of Cameroon following 16Âyears of annual community-directed treatment with ivermectin, and the description of a new cytotype of Simulium squamosum. Parasites and Vectors, 2021, 14, 563.	2.5	12
70	wALADin Benzimidazoles Differentially Modulate the Function of Porphobilinogen Synthase Orthologs. Journal of Medicinal Chemistry, 2014, 57, 2498-2510.	6.4	10
71	Litomosoides sigmodontis: A jird urine metabolome study. Bioorganic and Medicinal Chemistry Letters, 2015, 25, 5804-5807.	2.2	10
72	Multivariable Regression Analysis in Schistosoma mansoni-Infected Individuals in the Sudan Reveals Unique Immunoepidemiological Profiles in Uninfected, egg+ and Non-egg+ Infected Individuals. PLoS Neglected Tropical Diseases, 2016, 10, e0004629.	3.0	10

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73	Complete Mitochondrial Genome Sequence of Mansonella perstans. Microbiology Resource Announcements, 2020, 9, .	0.6	7
74	Urine metabolites for the identification of Onchocerca volvulus infections in patients from Cameroon. Parasites and Vectors, 2021, 14, 397.	2.5	6
75	Morbidity management and surveillance of lymphatic filariasis disease and acute dermatolymphangioadenitis attacks using a mobile phone-based tool by community health volunteers in Ghana. PLoS Neglected Tropical Diseases, 2020, 14, e0008839.	3.0	6
76	New chemotypes for wALADin1-like inhibitors of delta-aminolevulinic acid dehydratase from Wolbachia endobacteria. Bioorganic and Medicinal Chemistry Letters, 2013, 23, 5558-5562.	2.2	5
77	In VitroActivity of wALADin Benzimidazoles against Different Life Cycle Stages of Plasmodium Parasites. Antimicrobial Agents and Chemotherapy, 2015, 59, 654-658.	3.2	5
78	The RNA Polymerase Inhibitor Corallopyronin A Has a Lower Frequency of Resistance Than Rifampicin in Staphylococcus aureus. Antibiotics, 2022, 11, 920.	3.7	4
79	Complete Genome Sequence of the Corallopyronin A-Producing Myxobacterium Corallococcus coralloides B035. Microbiology Resource Announcements, 2019, 8, .	0.6	3
80	Dataset on inÂvitro maintenance of Mansonella perstans microfilariae and drug testing. Data in Brief, 2020, 28, 104930.	1.0	3
81	Wolbachia Endosymbionts: An Achillesâ€™ Heel of Filarial Nematodes. , 2007, 5, 31-51.		2
82	Localization of a filarial phosphate permease that is up-regulated in response to depletion of essential Wolbachia endobacteria. Experimental Parasitology, 2014, 138, 30-39.	1.2	2
83	Is there a risk of filarial infection during long-term missions in Haiti?. Travel Medicine and Infectious Disease, 2016, 14, 137-142.	3.0	2
84	It Takes Two: Lessons From the First Nematode Wolbachia Genome Sequence. , 2007, 5, 52-65.		1
85	A qPCR to quantify Wolbachia from few Onchocerca volvulus microfilariae as a surrogate for adult worm histology in clinical trials of antiwolbachial drugs. Parasitology Research, 2022, , 1.	1.6	1