Hernando A Del Portillo Obando

List of Publications by Year in descending order

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130 papers 19,961 citations

50276 46 h-index 127 g-index

133 all docs

133
docs citations

133 times ranked 23397 citing authors

#	Article	IF	Citations
1	Morphological and Transcriptional Changes in Human Bone Marrow During Natural <i>Plasmodium vivax</i> Malaria Infections. Journal of Infectious Diseases, 2022, 225, 1274-1283.	4.0	30
2	Cryptic erythrocytic infections in Plasmodium vivax, another challenge to its elimination. Parasitology International, 2022, 87, 102527.	1.3	10
3	Editorial on the special issue on Plasmodium vivax: Current situation and challenges towards elimination. Parasitology International, 2022, 89, 102594.	1.3	1
4	Multiparameter Flow Cytometry Analysis of the Human Spleen Applied to Studies of Plasma-Derived EVs From Plasmodium vivax Patients. Frontiers in Cellular and Infection Microbiology, 2021, 11, 596104.	3.9	4
5	Evaluation of splenic accumulation and colocalization of immature reticulocytes and Plasmodium vivax in asymptomatic malaria: A prospective human splenectomy study. PLoS Medicine, 2021, 18, e1003632.	8.4	60
6	Exosome-Based Vaccines: Pros and Cons in the World of Animal Health. Viruses, 2021, 13, 1499.	3.3	12
7	Plasmodium vivax epidemiology in Ethiopia 2000-2020: A systematic review and meta-analysis. PLoS Neglected Tropical Diseases, 2021, 15, e0009781.	3.0	12
8	Pitting of malaria parasites in microfluidic devices mimicking spleen interendothelial slits. Scientific Reports, 2021, 11, 22099.	3.3	7
9	Antigen Discovery in Circulating Extracellular Vesicles From Plasmodium vivax Patients. Frontiers in Cellular and Infection Microbiology, 2021, 11, 811390.	3.9	9
10	Cryptic Plasmodium chronic infections: was Maurizio Ascoli right?. Malaria Journal, 2020, 19, 440.	2.3	1
11	Plasma-derived extracellular vesicles from Plasmodium vivax patients signal spleen fibroblasts via NF-kB facilitating parasite cytoadherence. Nature Communications, 2020, 11, 2761.	12.8	56
12	<i>Plasmodium vivax</i> spleen-dependent genes encode antigens associated with cytoadhesion and clinical protection. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 13056-13065.	7.1	29
13	Extracellular vesicles derived from Plasmodium-infected and non-infected red blood cells as targeted drug delivery vehicles. International Journal of Pharmaceutics, 2020, 587, 119627.	5.2	26
14	Extracellular Vesicles From Liver Progenitor Cells Downregulates Fibroblast Metabolic Activity and Increase the Expression of Immune-Response Related Molecules. Frontiers in Cell and Developmental Biology, 2020, 8, 613583.	3.7	0
15	Effect of immunosuppression in miRNAs from extracellular vesicles of colorectal cancer and their influence on the pre-metastatic niche. Scientific Reports, 2019, 9, 11177.	3.3	11
16	Serum-Derived Extracellular Vesicles from African Swine Fever Virus-Infected Pigs Selectively Recruit Viral and Porcine Proteins. Viruses, 2019, 11, 882.	3.3	17
17	Key Gaps in the Knowledge of the Porcine Respiratory Reproductive Syndrome Virus (PRRSV). Frontiers in Veterinary Science, 2019, 6, 38.	2.2	88
18	Sudden spleen rupture in a Plasmodium vivax-infected patient undergoing malaria treatment. Malaria Journal, 2018, 17, 79.	2.3	16

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19	Minimal information for studies of extracellular vesicles 2018 (MISEV2018): a position statement of the International Society for Extracellular Vesicles and update of the MISEV2014 guidelines. Journal of Extracellular Vesicles, 2018, 7, 1535750.	12.2	6,961
20	Targeted-pig trial on safety and immunogenicity of serum-derived extracellular vesicles enriched fractions obtained from Porcine Respiratory and Reproductive virus infections. Scientific Reports, 2018, 8, 17487.	3.3	26
21	Proteomics study of human cord blood reticulocyte-derived exosomes. Scientific Reports, 2018, 8, 14046.	3.3	32
22	Characterization of Plasmodium vivax Proteins in Plasma-Derived Exosomes From Malaria-Infected Liver-Chimeric Humanized Mice. Frontiers in Microbiology, 2018, 9, 1271.	3.5	43
23	Production of recombinant PvDBPII, receptor binding domain of Plasmodium vivax Duffy binding protein, and evaluation of immunogenicity to identify an adjuvant formulation for vaccine development. Protein Expression and Purification, 2017, 136, 52-57.	1.3	15
24	Concise Review: Developing Best-Practice Models for the Therapeutic Use of Extracellular Vesicles. Stem Cells Translational Medicine, 2017, 6, 1730-1739.	3.3	247
25	Progress in imaging methods: insights gained into Plasmodium biology. Nature Reviews Microbiology, 2017, 15, 37-54.	28.6	41
26	Naturally Acquired Binding-Inhibitory Antibodies to Plasmodium vivax Duffy Binding Protein in Pregnant Women Are Associated with Higher Birth Weight in a Multicenter Study. Frontiers in Immunology, 2017, 8, 163.	4.8	11
27	Plasmodium vivax gametocytes in the bone marrow of an acute malaria patient and changes in the erythroid miRNA profile. PLoS Neglected Tropical Diseases, 2017, 11, e0005365.	3.0	68
28	Highlights of the São Paulo ISEV workshop on extracellular vesicles in crossâ€kingdom communication. Journal of Extracellular Vesicles, 2017, 6, 1407213.	12.2	38
29	Burden and impact of Plasmodium vivax in pregnancy: A multi-centre prospective observational study. PLoS Neglected Tropical Diseases, 2017, 11, e0005606.	3.0	46
30	Respiratory Complications of Plasmodium vivax Malaria: Systematic Review and Meta-Analysis. American Journal of Tropical Medicine and Hygiene, 2017, 97, 733-743.	1.4	20
31	Spleen-Dependent Immune Protection Elicited by CpG Adjuvanted Reticulocyte-Derived Exosomes from Malaria Infection Is Associated with Changes in T cell Subsets' Distribution. Frontiers in Cell and Developmental Biology, 2016, 4, 131.	3.7	37
32	The machinery underlying malaria parasite virulence is conserved between rodent and human malaria parasites. Nature Communications, 2016, 7, 11659.	12.8	61
33	Serum-derived exosomes from non-viremic animals previously exposed to the porcine respiratory and reproductive virus contain antigenic viral proteins. Veterinary Research, 2016, 47, 59.	3.0	42
34	Declining malaria transmission in rural Amazon: changing epidemiology and challenges to achieve elimination. Malaria Journal, 2016, 15, 266.	2.3	33
35	Evidence-Based Clinical Use of Nanoscale Extracellular Vesicles in Nanomedicine. ACS Nano, 2016, 10, 3886-3899.	14.6	397
36	Plasmodium vivax VIR Proteins Are Targets of Naturally-Acquired Antibody and T Cell Immune Responses to Malaria in Pregnant Women. PLoS Neglected Tropical Diseases, 2016, 10, e0005009.	3.0	18

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37	Microsatellite Genotyping of Plasmodium vivax Isolates from Pregnant Women in Four Malaria Endemic Countries. PLoS ONE, 2016, 11, e0152447.	2.5	12
38	Development of a genetic tool for functional screening of anti-malarial bioactive extracts in metagenomic libraries. Malaria Journal, 2015, 14, 233.	2.3	5
39	Biological properties of extracellular vesicles and their physiological functions. Journal of Extracellular Vesicles, 2015, 4, 27066.	12.2	3,973
40	Sizeâ€exclusion chromatographyâ€based enrichment of extracellular vesicles from urine samples. Journal of Extracellular Vesicles, 2015, 4, 27369.	12.2	153
41	Applying extracellular vesicles based therapeutics in clinical trials – an ISEV position paper. Journal of Extracellular Vesicles, 2015, 4, 30087.	12.2	1,020
42	Sizeâ€exclusion chromatography as a standâ€alone methodology identifies novel markers in mass spectrometry analyses of plasmaâ€derived vesicles from healthy individuals. Journal of Extracellular Vesicles, 2015, 4, 27378.	12.2	158
43	In Vivo and In Vitro Characterization of a Plasmodium Liver Stage-Specific Promoter. PLoS ONE, 2015, 10, e0123473.	2.5	18
44	EVpedia: a community web portal for extracellular vesicles research. Bioinformatics, 2015, 31, 933-939.	4.1	317
45	Proinflammatory Responses and Higher IL-10 Production by T Cells Correlate with Protection against Malaria during Pregnancy and Delivery Outcomes. Journal of Immunology, 2015, 194, 3275-3285.	0.8	19
46	Characterization of Plasmodium vivax-associated admissions to reference hospitals in Brazil and India. BMC Medicine, $2015,13,57.$	5 . 5	54
47	The Role of Extracellular Vesicles in Modulating the Host Immune Response during Parasitic Infections. Frontiers in Immunology, 2014, 5, 433.	4.8	73
48	Imaging of the spleen in malaria. Parasitology International, 2014, 63, 195-205.	1.3	13
49	Paucity of Plasmodium vivax Mature Schizonts in Peripheral Blood Is Associated With Their Increased Cytoadhesive Potential. Journal of Infectious Diseases, 2014, 209, 1403-1407.	4.0	55
50	Pregnancy and Malaria Exposure Are Associated with Changes in the B Cell Pool and in Plasma Eotaxin Levels. Journal of Immunology, 2014, 193, 2971-2983.	0.8	34
51	A functional microengineered model of the human splenon-on-a-chip. Lab on A Chip, 2014, 14, 1715-1724.	6.0	85
52	Extracellular vesicles in parasitic diseases. Journal of Extracellular Vesicles, 2014, 3, 25040.	12.2	205
53	Expression Levels of pycrt-o and pymdr-1 Are Associated with Chloroquine Resistance and Severe Plasmodium vivax Malaria in Patients of the Brazilian Amazon. PLoS ONE, 2014, 9, e105922.	2.5	57
54	A new computational approach redefines the subtelomeric vir superfamily of Plasmodium vivax. BMC Genomics, 2013, 14, 8.	2.8	40

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55	High levels of IgG3 anti ICB2-5 in Plasmodium vivax-infected individuals who did not develop symptoms. Malaria Journal, 2013, 12, 294.	2.3	30
56	Reticulocyte-prone malaria parasites predominantly invade CD71hi immature cells: implications for the development of an in vitro culture for Plasmodium vivax. Malaria Journal, 2013, 12, 434.	2.3	29
57	Talking to Each Other to Initiate Sexual Differentiation. Cell, 2013, 153, 945-947.	28.9	5
58	Rosetting in Plasmodium vivax: A Cytoadhesion Phenotype Associated with Anaemia. PLoS Neglected Tropical Diseases, 2013, 7, e2155.	3.0	47
59	Red blood cells derived from peripheral blood and bone marrow CD34+ human haematopoietic stem cells are permissive to Plasmodium parasites infection. Memorias Do Instituto Oswaldo Cruz, 2013, 108, 801-803.	1.6	13
60	Placental Infection With Plasmodium vivax: A Histopathological and Molecular Study. Journal of Infectious Diseases, 2012, 206, 1904-1910.	4.0	43
61	Relapses Contribute Significantly to the Risk of Plasmodium vivax Infection and Disease in Papua New Guinean Children 1–5 Years of Age. Journal of Infectious Diseases, 2012, 206, 1771-1780.	4.0	108
62	Intravital Microscopy of the Spleen: Quantitative Analysis of Parasite Mobility and Blood Flow. Journal of Visualized Experiments, 2012, , .	0.3	13
63	Transient Transfection of Plasmodium vivax Blood-Stage Parasites. Methods in Molecular Biology, 2012, 923, 151-159.	0.9	3
64	Postmortem Characterization of Patients With Clinical Diagnosis of Plasmodium vivax Malaria: To What Extent Does This Parasite Kill?. Clinical Infectious Diseases, 2012, 55, e67-e74.	5.8	176
65	Spleen Rupture in a Case of Untreated Plasmodium vivax Infection. PLoS Neglected Tropical Diseases, 2012, 6, e1934.	3.0	51
66	Plasmodium vivax malaria in Mali: a study from three different regions. Malaria Journal, 2012, 11, 405.	2.3	29
67	Functional analysis of Plasmodium vivax VIR proteins reveals different subcellular localizations and cytoadherence to the ICAM-1 endothelial receptor. Cellular Microbiology, 2012, 14, 386-400.	2.1	86
68	The role of the spleen in malaria. Cellular Microbiology, 2012, 14, 343-355.	2.1	184
69	Expression of non-TLR pattern recognition receptors in the spleen of BALB/c mice infected with Plasmodium yoelii and Plasmodium chabaudi chabaudi AS. Memorias Do Instituto Oswaldo Cruz, 2012, 107, 410-415.	1.6	6
70	On cytoadhesion of Plasmodium vivax: raison d'être?. Memorias Do Instituto Oswaldo Cruz, 2011, 106, 79-84.	1.6	30
71	Exosomes from Plasmodium yoelii-Infected Reticulocytes Protect Mice from Lethal Infections. PLoS ONE, 2011, 6, e26588.	2.5	167
72	Strain-specific spleen remodelling in Plasmodium yoelii infections in Balb/c mice facilitates adherence and spleen macrophage-clearance escape. Cellular Microbiology, 2011, 13, 109-122.	2.1	43

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73	Plasmodium vivax: comparison of immunogenicity among proteins expressed in the cell-free systems of Escherichia coli and wheat germ by suspension array assays. Malaria Journal, 2011, 10, 192.	2.3	39
74	On the Cytoadhesion of <i>Plasmodium vivax </i> –Infected Erythrocytes. Journal of Infectious Diseases, 2010, 202, 638-647.	4.0	259
75	Comparison of diagnostic methods for the detection and quantification of the four sympatric Plasmodium species in field samples from Papua New Guinea. Malaria Journal, 2010, 9, 361.	2.3	126
76	Naturally-acquired humoral immune responses against the N- and C-termini of the Plasmodium vivax MSP1 protein in endemic regions of Brazil and Papua New Guinea using a multiplex assay. Malaria Journal, 2010, 9, 29.	2.3	61
77	Analysis of Single-Nucleotide Polymorphisms in the <i>crt-o</i> and <i>mdr1</i> Genes of <i>Plasmodium vivax</i> among Chloroquine-Resistant Isolates from the Brazilian Amazon Region. Antimicrobial Agents and Chemotherapy, 2009, 53, 3561-3564.	3.2	62
78	Plasmodium vivax and the importance of the subtelomeric multigene vir superfamily. Trends in Parasitology, 2009, 25, 44-51.	3.3	52
79	Increased expression levels of the pvcrt-o and pvmdr1 genes in a patient with severe Plasmodium vivax malaria. Malaria Journal, 2009, 8, 55.	2.3	52
80	Key gaps in the knowledge of Plasmodium vivax, a neglected human malaria parasite. Lancet Infectious Diseases, The, 2009, 9, 555-566.	9.1	565
81	Computational methods in noncoding RNA research. Journal of Mathematical Biology, 2008, 56, 15-49.	1.9	53
82	Comparative genomics of the neglected human malaria parasite Plasmodium vivax. Nature, 2008, 455, 757-763.	27.8	756
83	Promoter regions of Plasmodium vivax are poorly or not recognized by Plasmodium falciparum. Malaria Journal, 2007, 6, 20.	2.3	13
84	Evaluation of the acquired immune responses to Plasmodium vivax VIR variant antigens in individuals living in malaria-endemic areas of Brazil. Malaria Journal, 2006, 5, 83.	2.3	28
85	Origins of sequence diversity in the malaria vaccine candidate merozoite surface protein-2 (MSP-2) in Amazonian isolates of Plasmodium falciparum. Gene, 2006, 376, 224-230.	2.2	17
86	Multi-character population study of the vir subtelomeric multigene superfamily of Plasmodium vivax, a major human malaria parasite. Molecular and Biochemical Parasitology, 2006, 149, 10-16.	1.1	31
87	Extense variant gene family repertoire overlap in Western Amazon Plasmodium falciparum isolates. Molecular and Biochemical Parasitology, 2006, 150, 157-165.	1.1	35
88	Expression and function of pvcrt-o, a Plasmodium vivax ortholog of pfcrt, in Plasmodium falciparum and Dictyostelium discoideum. Molecular and Biochemical Parasitology, 2006, 150, 219-228.	1.1	51
89	A Reduced Risk of Infection with Plasmodium vivax and Clinical Protection against Malaria Are Associated with Antibodies against the N Terminus but Not the C Terminus of Merozoite Surface Protein 1. Infection and Immunity, 2006, 74, 2726-2733.	2.2	62
90	Variant proteins ofPlasmodium vivaxare not clonally expressed in natural infections. Molecular Microbiology, 2005, 58, 648-658.	2.5	56

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91	Plasmodium vivax: allele variants of the mdr1 gene do not associate with chloroquine resistance among isolates from Brazil, Papua, and monkey-adapted strains. Experimental Parasitology, 2005, 109, 256-259.	1.2	72
92	Mining the malaria transcriptome. Trends in Parasitology, 2005, 21, 350-352.	3.3	10
93	Clinical and molecular aspects of severe malaria. Anais Da Academia Brasileira De Ciencias, 2005, 77, 455-475.	0.8	44
94	The Methylerythritol Phosphate Pathway Is Functionally Active in All Intraerythrocytic Stages of Plasmodium falciparum. Journal of Biological Chemistry, 2004, 279, 51749-51759.	3.4	116
95	Variant genes and the spleen in Plasmodium vivax malaria. International Journal for Parasitology, 2004, 34, 1547-1554.	3.1	60
96	Identification and characterization of an interspersed repetitive DNA fragment in Plasmodium vivax with potential use for specific parasite detection. Experimental Parasitology, 2004, 108, 81-88.	1.2	0
97	Plasmodium falciparum: new vector with bi-directional promoter activity to stably express transgenes. Experimental Parasitology, 2003, 103, 88-91.	1.2	23
98	Malaria parasites lacking eef1a have a normal S/M phase yet grow more slowly due to a longer G1 phase. Molecular Microbiology, 2003, 50, 1539-1551.	2.5	43
99	Pilot survey of expressed sequence tags (ESTs) from the asexual blood stages of Plasmodium vivax in human patients. Malaria Journal, 2003, 2, 21.	2.3	7
100	Association of Severe Noncerebral Plasmodium falciparum Malaria in Brazil With Expressed PfEMP1 DBL1α Sequences Lacking Cysteine Residues. Molecular Medicine, 2002, 8, 16-23.	4.4	87
101	Evidence for Different Mechanisms of Chloroquine Resistance in 2PlasmodiumSpecies That Cause Human Malaria. Journal of Infectious Diseases, 2001, 183, 1653-1661.	4.0	175
102	Primary Structure of the Plasmodium vivax crk2 Gene and Interference of the Yeast Cell Cycle upon Its Conditional Expression. Experimental Parasitology, 2001, 97, 119-128.	1.2	5
103	A superfamily of variant genes encoded in the subtelomeric region of Plasmodium vivax. Nature, 2001, 410, 839-842.	27.8	211
104	Plasmodium falciparum: DBL-1 Var Sequence Analysis in Field Isolates from Central Brazil. Experimental Parasitology, 2000, 95, 154-157.	1.2	18
105	Biochemical and Immunological Properties of a Viral Hybrid Particle Expressing the Plasmodium vivax Merozoite Surface Protein 1 C-terminal Region. Molecular Medicine, 2000, 6, 238-245.	4.4	9
106	Genetic Immunization of BALB/c mice with a Plasmid Bearing the Gene Coding for a Hybrid Merozoite Surface Protein 1-Hepatitis B Virus Surface Protein Fusion Protects Mice against Lethal Plasmodium chabaudi PC1 Infection. Infection and Immunity, 2000, 68, 5839-5845.	2.2	21
107	Antigenic properties of the merozoite surface protein 1 gene of Plasmodium vivax. Vaccine, 1999 , 17 , $2959-2968$.	3.8	29
108	Longevity of naturally acquired antibody responses to the N- and C-terminal regions of Plasmodium vivax merozoite surface protein 1 American Journal of Tropical Medicine and Hygiene, 1999, 60, 357-363.	1.4	85

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109	Malaria parasites contain two identical copies of an elongation factor 1 alpha gene1Note: Nucleotide sequence data reported in this paper are available in the EMBL, GenBankâ,,¢ and DDJB databases under the accession numbers AJ224150, AJ224151, AJ224153 and AJ224154.1. Molecular and Biochemical Parasitology, 1998, 94, 1-12.	1.1	46
110	Characterisation of the Cdc2-related kinase 2 gene from Plasmodium knowlesi and P. berghei. Molecular and Biochemical Parasitology, 1998, 95, 229-240.	1.1	7
111	Molecular Analysis of Plasmodium vivax Relapses Using the MSP1 Molecule as a Genetic Marker. Journal of Infectious Diseases, 1998, 177, 511-515.	4.0	47
112	Construction and Characterization of aPlasmodium vivaxGenomic Library in Yeast Artificial Chromosomes. Genomics, 1997, 42, 467-473.	2.9	26
113	Heat shock induction of apoptosis in promastigotes of the unicellular organismLeishmania (Leishmania) amazonensis. Journal of Cellular Physiology, 1996, 167, 305-313.	4.1	139
114	Comparison of introns in a cdc2-homologous gene within a number of Plasmodium species. Molecular and Biochemical Parasitology, 1995, 71, 233-241.	1.1	24
115	Removal of leucocytes from <i>Plasmodium vivax </i> i>infected blood. Annals of Tropical Medicine and Parasitology, 1994, 88, 213-216.	1.6	30
116	Advances toward the development of an asexual blood stage MSP-1 vaccine of Plasmodium vivax. Memorias Do Instituto Oswaldo Cruz, 1994, 89, 81-84.	1.6	8
117	Characterization of Naturally Acquired Human IgG Responses against the N-Terminal Region of the Merozoite Surface Protein 1 of Plasmodium vivax. American Journal of Tropical Medicine and Hygiene, 1994, 51, 68-76.	1.4	32
118	Latin American scientists meet at Caracas. Parasitology Today, 1993, 9, 351.	3.0	0
119	Longitudinal Study of Naturally Acquired Humoral Immune Responses against the Merozoite Surface Protein 1 of Plasmodium vivax in Patients from Rondonia, Brazil. American Journal of Tropical Medicine and Hygiene, 1993, 49, 383-392.	1.4	18
120	Human IgG responses against the N-terminal region of Merozoite Surface Protein 1 of Plasmodium vivax. Memorias Do Instituto Oswaldo Cruz, 1992, 87, 77-84.	1.6	5
121	Second form in a segment of the Merozoite Surface Protein 1 gene of Plasmodium vivax among isolates from RondA´nia (Brazil). Molecular and Biochemical Parasitology, 1992, 54, 121-124.	1.1	19
122	Primary structure of the merozoite surface antigen 1 of Plasmodium vivax reveals sequences conserved between different Plasmodium species Proceedings of the National Academy of Sciences of the United States of America, 1991, 88, 4030-4034.	7.1	189
123	Plasmodium vivax: Cloning and expression of a major blood-stage surface antigen. Experimental Parasitology, 1988, 67, 346-353.	1.2	25
124	Plasmodium vivax malaria: parasite biology defines potential targets for vaccine development. Biology of the Cell, 1988, 64, 251-260.	2.0	12
125	Immunochemical analysis of baboon () IgG subclasses. Veterinary Immunology and Immunopathology, 1987, 16, 201-214.	1.2	10
126	Plasmodium falciparum: Epidemiological studies on the circumsporozoite gene. Experimental Parasitology, 1987, 64, 510-513.	1.2	4

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127	Circumsporozoite gene of a Plasmodium falciparum strain from Thailand. Molecular and Biochemical Parasitology, 1987, 24, 289-294.	1.1	49
128	Experimental Schistosoma Mansoni Infection in a Small New World Monkey, the Saddle-Back Tamarin (Saguinus Fuscicollis). American Journal of Tropical Medicine and Hygiene, 1986, 35, 515-522.	1.4	4
129	SPECIFICITY OF THE HOST-INDUCED NEGATIVE PHOTOTAXIS OF THE SYMBIOTIC WATER MITE, UNIONICOLA FORMOSA. Biological Bulletin, 1982, 162, 163-170.	1.8	17
130	Advancing Key Gaps in the Knowledge of Plasmodium vivax Cryptic Infections Using Humanized Mouse Models and Organs-on-Chips. Frontiers in Cellular and Infection Microbiology, 0, 12, .	3.9	3