Denis Sereno

List of Publications by Year
in descending order

113 papers	4,774 citations	94433 37 h-index	106344 65 g-index
118 all docs	118 docs citations	118 times ranked	5251 citing authors

#	Article	IF	Citations
1	A Historical Overview of the Classification, Evolution, and Dispersion of Leishmania Parasites and Sandflies. PLoS Neglected Tropical Diseases, 2016, 10, e0004349.	3.0	615
2	Leishmania infections: Molecular targets and diagnosis. Molecular Aspects of Medicine, 2017, 57, 1-29.	6.4	220
3	Axenically cultured amastigote forms as an in vitro model for investigation of antileishmanial agents. Antimicrobial Agents and Chemotherapy, 1997, 41, 972-976.	3.2	212
4	Seasonal Dynamics of Phlebotomine Sand Fly Species Proven Vectors of Mediterranean Leishmaniasis Caused by Leishmania infantum. PLoS Neglected Tropical Diseases, 2016, 10, e0004458.	3.0	152
5	Episomal and stable expression of the luciferase reporter gene for quantifying Leishmania spp. infections in macrophages and in animal models. Molecular and Biochemical Parasitology, 2000, 110, 195-206.	1.1	150
6	Induction of a Peptide with Activity against a Broad Spectrum of Pathogens in the Aedes aegypti Salivary Gland, following Infection with Dengue Virus. PLoS Pathogens, 2011, 7, e1001252.	4.7	149
7	Axenically Grown Amastigotes of <i>Leishmania infantum</i> Used as an In Vitro Model To Investigate the Pentavalent Antimony Mode of Action. Antimicrobial Agents and Chemotherapy, 1998, 42, 3097-3102.	3.2	142
8	Antimonial-Mediated DNA Fragmentation in Leishmania infantum Amastigotes. Antimicrobial Agents and Chemotherapy, 2001, 45, 2064-2069.	3.2	140
9	A Common Mechanism of Stage-regulated Gene Expression in Leishmania Mediated by a Conserved 3â€²-Untranslated Region Element. Journal of Biological Chemistry, 2002, 277, 19511-19520.	3.4	115
10	DNA Transformation of Leishmania infantum Axenic Amastigotes and Their Use in Drug Screening. Antimicrobial Agents and Chemotherapy, 2001, 45, 1168-1173.	3.2	102
11	SIR2-Deficient <i>Leishmania infantum</i> Induces a Defined IFN-Î³/IL-10 Pattern That Correlates with Protection. Journal of Immunology, 2007, 179, 3161-3170.	0.8	102
12	Nitric Oxide-Mediated Proteasome-Dependent Oligonucleosomal DNA Fragmentation in Leishmania amazonensis Amastigotes. Infection and Immunity, 2002, 70, 3727-3735.	2.2	97
13	Advances and perspectives in Leishmania cell based drug-screening procedures. Parasitology International, 2007, 56, 3-7.	1.3	95
14	A new developmentally regulated gene family in Leishmania amastigotes encoding a homolog of amastin surface proteins. Molecular and Biochemical Parasitology, 2000, 110, 345-357.	1.1	94
15	Leishmania antimony resistance: what we know what we can learn from the field. Parasitology Research, 2011, 109, 1225-1232.	1.6	80
16	Targeted disruption of cytosolic SIR2 deacetylase discloses its essential role in Leishmania survival and proliferation. Gene, 2005, 363, 85-96.	2.2	73
17	Cytoplasmic SIR2 homologue overexpression promotes survival of Leishmania parasites by preventing programmed cell death. Gene, 2002, 296, 139-150.	2.2	72
18	Isolation, characterization and molecular cloning of new temporins from the skin of the North African ranid Pelophylax saharica. Peptides, 2008, 29, 1526-1533.	2.4	70

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19	Use of an enzymatic micromethod to quantify amastigote stage of Leishmania amazonensis in vitro. Parasitology Research, 1997, 83, 401-403.	1.6	69
20	Leishmaniaspp.: Nitric Oxide-Mediated Metabolic Inhibition of Promastigote and Axenically Grown Amastigote Forms. Experimental Parasitology, 1997, 86, 58-68.	1.2	68
21	Differential infectivity and immunopathology in murine experimental infections by two natural clones belonging to theTrypanosoma cruzil lineage. Parasitology, 2005, 131, 109-119.	1.5	66
22	Identification of phlebotomine sand flies using one MALDI-TOF MS reference database and two mass spectrometer systems. Parasites and Vectors, 2015, 8, 266.	2.5	66
23	Leishmania spp: completely defined medium without serum and macromolecules (CDM/LP) for the continuous in vitro cultivation of infective promastigote forms.. American Journal of Tropical Medicine and Hygiene, 1999, 60, 41-50.	1.4	64
24	Escaping Deleterious Immune Response in Their Hosts: Lessons from Trypanosomatids. Frontiers in Immunology, 2016, 7, 212.	4.8	59
25	A review on the diagnosis of animal trypanosomoses. Parasites and Vectors, 2022, 15, 64.	2.5	54
26	Lack of correlation between in vitro susceptibility to Benznidazole and phylogenetic diversity of Trypanosoma cruzi, the agent of Chagas disease. Experimental Parasitology, 2004, 108, 24-31.	1.2	53
27	In Vitro Antileishmanial Activity of Nicotinamide. Antimicrobial Agents and Chemotherapy, 2005, 49, 808-812.	3.2	52
28	Diversity of the Bacterial and Fungal Microflora from the Midgut and Cuticle of Phlebotomine Sand Flies Collected in North-Western Iran. PLoS ONE, 2012, 7, e50259.	2.5	48
29	Insight into the mechanism of action of temporin-SHa, a new broad-spectrum antiparasitic and antibacterial agent. PLoS ONE, 2017, 12, e0174024.	2.5	48
30	The <i>Leishmania</i> nicotinamidase is essential for NAD⁺ production and parasite proliferation. Molecular Microbiology, 2011, 82, 21-38.	2.5	47
31	Stage-specific antileishmanial activity of an inhibitor of SIR2 histone deacetylase. Acta Tropica, 2005, 94, 107-115.	2.0	45
32	Antibacterial and leishmanicidal activities of temporin-SHd, a 17-residue long membrane-damaging peptide. Biochimie, 2013, 95, 388-399.	2.6	45
33	Leishmania major: Cell type dependent distribution of a 43 kDa antigen related to silent information regulatory-2 protein family. Biology of the Cell, 1998, 90, 239-245.	2.0	43
34	The <i>Leishmania infantum</i> cytosolic SIR2-related protein 1 (LiSIR2RP1) is an NAD+-dependent deacetylase and ADP-ribosyltransferase. Biochemical Journal, 2008, 415, 377-386.	3.7	40
35	Glutathione S-transferases and related proteins from pathogenic human parasites behave as immunomodulatory factors. Immunology Letters, 2002, 81, 159-164.	2.5	39
36	Ecology and spatiotemporal dynamics of sandflies in the Mediterranean Languedoc region (Roquedur) Tj ETQq0 0 0 rgBT /Overlock 10 T	2.5	39

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37	In vitro life cycle of pentamidine-resistant amastigotes: stability of the chemoresistant phenotypes is dependent on the level of resistance induced. Antimicrobial Agents and Chemotherapy, 1997, 41, 1898-1903.	3.2	38
38	An integrated overview of the midgut bacterial flora composition of Phlebotomus perniciosus, a vector of zoonotic visceral leishmaniasis in the Western Mediterranean Basin. PLoS Neglected Tropical Diseases, 2017, 11, e0005484.	3.0	38
39	Management of Leishmaniases in the Era of Climate Change in Morocco. International Journal of Environmental Research and Public Health, 2018, 15, 1542.	2.6	37
40	Efficacy of second line drugs on antimonyl-resistant amastigotes of Leishmania infantum. Acta Tropica, 2000, 74, 25-31.	2.0	35
41	Deciphering the<i>Leishmania</i>exoproteome: what we know and what we can learn. FEMS Immunology and Medical Microbiology, 2010, 58, 27-38.	2.7	32
42	Leishmania infantum amastigotes resistant to nitric oxide cytotoxicity: Impact on in vitro parasite developmental cycle and metabolic enzyme activities. Infection, Genetics and Evolution, 2006, 6, 187-197.	2.3	31
43	Bed Bugs (Hemiptera, Cimicidae): Overview of Classification, Evolution and Dispersion. International Journal of Environmental Research and Public Health, 2020, 17, 4576.	2.6	31
44	Peptide-based analysis of the amino acid sequence important to the immunoregulatory function of Trypanosoma cruzi Tc52 virulence factor. Immunology, 2003, 109, 147-155.	4.4	27
45	Anti-Leishmanial Lindenane Sesquiterpenes from<i>Hedyosmum angustifolium</i>. Planta Medica, 2010, 76, 365-368.	1.3	27
46	Antimony susceptibility of Leishmania isolates collected over a 30-year period in Algeria. PLoS Neglected Tropical Diseases, 2018, 12, e0006310.	3.0	27
47	Experimental studies on the evolution of antimony-resistant phenotype during the in vitro life cycle of Leishmania infantum: implications for the spread of chemoresistance in endemic areas. Acta Tropica, 2001, 80, 195-205.	2.0	26
48	Lower Nitric Oxide Susceptibility of Trivalent Antimony-Resistant Amastigotes of Leishmania infantum. Antimicrobial Agents and Chemotherapy, 2005, 49, 4406-4409.	3.2	26
49	Wing size and shape variation of Phlebotomus papatasi (Diptera: Psychodidae) populations from the south and north slopes of the Atlas Mountains in Morocco. Journal of Vector Ecology, 2012, 37, 137-147.	1.0	26
50	Ecology and morphological variations in wings of Phlebotomus ariasi (Diptera: Psychodidae) in the region of Roquedur (Gard, France): a geometric morphometrics approach. Parasites and Vectors, 2016, 9, 578.	2.5	26
51	In Vitro Benznidazole and Nifurtimox Susceptibility Profile of Trypanosoma cruzi Strains Belonging to Discrete Typing Units TcI, TcII, and TcV. Pathogens, 2019, 8, 197.	2.8	26
52	Identification of antibodies to Leishmania silent information regulatory 2 (SIR2) protein homologue during canine natural infections: pathological implications. Immunology Letters, 2003, 86, 155-162.	2.5	25
53	Experimental study of the function of the excreted/secreted Leishmania LmSIR2 protein by heterologous expression in eukaryotic cell line. Parasites and Vectors, 2005, 4, 1.	1.9	24
54	In vitro susceptibility of Trypanosoma cruzi discrete typing units (DTUs) to benznidazole: A systematic review and meta-analysis. PLoS Neglected Tropical Diseases, 2021, 15, e0009269.	3.0	24

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55	Bacterial flora as indicated by PCR-temperature gradient gel electrophoresis (TGGE) of 16S rDNA gene fragments from isolated guts of phlebotomine sand flies (Diptera: Psychodidae). Journal of Vector Ecology, 2011, 36, S144-S147.	1.0	23
56	In vitro activity of nicotinamide/antileishmanial drug combinations. Parasitology International, 2011, 60, 19-24.	1.3	21
57	Structure, Antimicrobial Activities and Mode of Interaction with Membranes of Bovel Phylloseptins from the Painted-Belly Leaf Frog, Phyllomedusa sauvagii. PLoS ONE, 2013, 8, e70782.	2.5	21
58	A protein of the leucine-rich repeats (LRRs) superfamily is implicated in antimony resistance in Leishmania infantum amastigotes. Molecular and Biochemical Parasitology, 2008, 158, 95-99.	1.1	20
59	Leishmania (Mundinia) spp.: from description to emergence as new human and animal Leishmania pathogens. New Microbes and New Infections, 2019, 30, 100540.	1.6	20
60	Antimony resistance and environment: Elusive links to explore during Leishmania life cycle. International Journal for Parasitology: Drugs and Drug Resistance, 2012, 2, 200-203.	3.4	19
61	Transmission Potential of Antimony-Resistant Leishmania Field Isolates. Antimicrobial Agents and Chemotherapy, 2014, 58, 6273-6276.	3.2	19
62	Insight into COVID-19's epidemiology, pathology, and treatment. Heliyon, 2022, 8, e08799.	3.2	19
63	Leishmania cytosolic silent information regulatory protein 2 deacetylase induces murine B-cell differentiation and in vivo production of specific antibodies. Immunology, 2006, 119, 529-540.	4.4	18
64	The fitness of antimony-resistant Leishmania parasites: lessons from the field. Trends in Parasitology, 2011, 27, 141-142.	3.3	18
65	In vitro susceptibility to antimonials and amphotericin B of Leishmania infantum strains isolated from dogs in a region lacking drug selection pressure. Veterinary Parasitology, 2012, 187, 386-393.	1.8	18
66	Diagnosis of animal trypanosomoses: proper use of current tools and future prospects. Parasites and Vectors, 2022, 15, .	2.5	18
67	Emerging and Re-Emerging Leishmaniases in the Mediterranean Area: What Can Be Learned from a Retrospective Review Analysis of the Situation in Morocco during 1990 to 2010?. Microorganisms, 2020, 8, 1511.	3.6	17
68	Functional Characterization of Temporin-SHe, a New Broad-Spectrum Antibacterial and Leishmanicidal Temporin-SH Paralog from the Sahara Frog (Pelophylax saharicus). International Journal of Molecular Sciences, 2020, 21, 6713.	4.1	16
69	Meta-analysis and discussion on challenges to translate Leishmania drug resistance phenotyping into the clinic. Acta Tropica, 2019, 191, 204-211.	2.0	15
70	Influence of medial septal cholinoceptive cells on c-Fos-like proteins induced by soman. Brain Research, 1992, 592, 157-162.	2.2	14
71	Secreted antigens of the amastigote and promastigote forms ofLeishmania infantuminducing a humoral response in humans and dogs. Parasite, 1999, 6, 121-129.	2.0	14
72	Sequence diversity and differential expression of Tc52 immuno-regulatory protein in Trypanosoma cruzi: potential implications in the biological variability of strains. Parasitology Research, 2007, 101, 1355-1363.	1.6	14

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73	Noninvasive Biological Samples to Detect and Diagnose Infections due to Trypanosomatidae Parasites: A Systematic Review and Meta-Analysis. International Journal of Molecular Sciences, 2020, 21, 1684.	4.1	14
74	Leishmania amastigotes as targets for drug screening. Parasites and Vectors, 2006, 5, 6.	1.9	13
75	Looking for putative functions of the Leishmania cytosolic SIR2 deacetylase. Parasitology Research, 2006, 100, 1-9.	1.6	13
76	Proof of interaction between Leishmania SIR2RP1 deacetylase and chaperone HSP83. Parasitology Research, 2007, 100, 811-818.	1.6	13
77	Leishmania infantum: tuning digitonin fractionation for comparative proteomic of the mitochondrial protein content. Parasitology Research, 2008, 103, 989-992.	1.6	13
78	Immunodetection and molecular determination of visceral and cutaneous Leishmania infection using patients' urine. Infection, Genetics and Evolution, 2018, 63, 257-268.	2.3	13
79	Phenotypic characterization of Leishmania mexicana pentamidine-resistant promastigotes. Modulation of the resistance during in-vitro developmental life cycle. Comptes Rendus De L'AcadÃ©mie Des Sciences SÃ©rie 3, Sciences De La Vie, 1997, 320, 981-987.	0.8	12
80	Malformations of the genitalia in male Phlebotomus papatasi (Scopoli) (Diptera: Psychodidae). Journal of Vector Ecology, 2010, 35, 13-19.	1.0	12
81	Cloning of a Leishmania major gene encoding for an antigen with extensive homology to ribosomal protein S3a. Gene, 1999, 240, 57-65.	2.2	11
82	In Vitro Growth of Leishmania amazonensis Promastigotes Resistant to Pentamidine Is Dependent on Interactions among Strains. Antimicrobial Agents and Chemotherapy, 2001, 45, 1928-1929.	3.2	11
83	Synthesis of aminophenylhydroxamate and aminobenzylhydroxamate derivatives and in vitro screening for antiparasitic and histone deacetylase inhibitory activity. International Journal for Parasitology: Drugs and Drug Resistance, 2018, 8, 59-66.	3.4	11
84	Who Bites Me? A Tentative Discriminative Key to Diagnose Hematophagous Ectoparasites Biting Using Clinical Manifestations. Diagnostics, 2020, 10, 308.	2.6	11
85	Cutaneous Leishmaniasis in Algeria; Highlight on the Focus of Mâ€™Sila. Microorganisms, 2021, 9, 962.	3.6	11
86	Bed Bugs (Hemiptera: Cimicidae) Population Diversity and First Record of Cimex hemipterus in Paris. Insects, 2021, 12, 578.	2.2	11
87	A Histone Deacetylase (HDAC) Inhibitor with Pleiotropic In Vitro Anti-Toxoplasma and Anti-Plasmodium Activities Controls Acute and Chronic Toxoplasma Infection in Mice. International Journal of Molecular Sciences, 2022, 23, 3254.	4.1	9
88	A Tiny Change Makes a Big Difference in the Anti-Parasitic Activities of an HDAC Inhibitor. International Journal of Molecular Sciences, 2019, 20, 2973.	4.1	8
89	Population Genetics of Phlebotomus papatasi from Endemic and Nonendemic Areas for Zoonotic Cutaneous Leishmaniasis in Morocco, as Revealed by Cytochrome Oxidase Gene Subunit I Sequencing. Microorganisms, 2020, 8, 1010.	3.6	8
90	Widespread Mutations in Voltage-Gated Sodium Channel Gene of Cimex lectularius (Hemiptera:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6 2021, 18, 407.	2.6	8

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91	Metabarcoding: A Powerful Yet Still Underestimated Approach for the Comprehensive Study of Vector-Borne Pathogen Transmission Cycles and Their Dynamics. , 0, , .		7
92	Development of a Murine Infection Model with<i>Leishmania killicki</i>, Responsible for Cutaneous Leishmaniosis in Algeria: Application in Pharmacology. BioMed Research International, 2016, 2016, 1-8.	1.9	6
93	Isothermal Nucleic Acid Amplification to Detect Infection Caused by Parasites of the Trypanosomatidae Family: A Literature Review and Opinion on the Laboratory to Field Applicability. International Journal of Molecular Sciences, 2022, 23, 7543.	4.1	6
94	Conversion of Trypanosoma cruzi Tc52 released factor to a protein inducing apoptosis. Tissue and Cell, 2005, 37, 469-478.	2.2	5
95	An Experimental Approach for the Identification of Conserved Secreted Proteins in Trypanosomatids. Journal of Biomedicine and Biotechnology, 2010, 2010, 1-13.	3.0	5
96	New microsatellite markers for multi-scale genetic studies on Phlebotomus ariasi Tonnoir, vector of Leishmania infantum in the Mediterranean area. Acta Tropica, 2015, 142, 79-85.	2.0	5
97	Pathogen Species Identification from Metagenomes in Ancient Remains: The Challenge of Identifying Human Pathogenic Species of Trypanosomatidae via Bioinformatic Tools. Genes, 2018, 9, 418.	2.4	5
98	Leishmania infantum nicotinamidase is required for late-stage development in its natural sand fly vector, Phlebotomus perniciosus. International Journal for Parasitology, 2012, 42, 323-327.	3.1	4
99	What pre-Columbian mummies could teach us about South American leishmaniases?. Pathogens and Disease, 2017, 75, .	2.0	4
100	Antimonial susceptibility and in vivo behaviour of Leishmania major isolates collected in Algeria before and after treatment. Acta Tropica, 2018, 180, 7-11.	2.0	4
101	Updates on Geographical Dispersion of Leishmania Parasites Causing Cutaneous Affections in Algeria. Pathogens, 2021, 10, 267.	2.8	4
102	A conceptual model for understanding the zoonotic cutaneous leishmaniasis transmission risk in the Moroccan pre-Saharan area. Parasite Epidemiology and Control, 2022, 17, e00243.	1.8	4
103	Basic process algebra with deadlocking states. Theoretical Computer Science, 2001, 266, 605-630.	0.9	3
104	Altitude and hillside orientation shapes the population structure of the Leishmania infantum vector Phlebotomus ariasi. Scientific Reports, 2020, 10, 14443.	3.3	3
105	Leishmania antimony resistance/ susceptibility in Algerian foci. Open Journal of Tropical Medicine, 2017, 1, 024-032.	0.2	3
106	Malformations of the genitalia in male Phlebotomus papatasi (Scopoli) (Diptera: Psychodidae). Journal of Vector Ecology, 2010, 35, 13-9.	1.0	3
107	Mobile Phones Hematophagous Diptera Surveillance in the field using Deep Learning and Wing Interference Patterns. , 2018, , .		2
108	Geographic distribution of Meriones shawi,Psammomys obesus, and Phlebotomus papatasi the main reservoirs and principal vector of zoonotic cutaneous leishmaniasis in the Middle East and North Africa. Parasite Epidemiology and Control, 2022, 17, e00247.	1.8	2

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109	Investigation of natural infection of Phlebotomine (Diptera: Psychodidae) by Leishmania in Tunisian endemic regions. Parasite Epidemiology and Control, 2021, 14, e00212.	1.8	1
110	Vector Borne Diseases and Climate Change. Advances in Environmental Engineering and Green Technologies Book Series, 2019, , 349-358.	0.4	1
111	Climatic Factors Impacting Leishmaniasis Risk in a Global View. Advances in Environmental Engineering and Green Technologies Book Series, 2019, , 359-373.	0.4	0
112	Vector Borne Diseases and Climate Change. , 2022, , 2029-2038.		0
113	Amputation of a type II diabetic patient with cutaneous leishmaniasis due to Leishmania major. BMC Infectious Diseases, 2021, 21, 1227.	2.9	0