Sergio O Angel

List of Publications by Year
in descending order

71 papers	1,819 citations	236925 25 h-index	302126 39 g-index
73 all docs	73 docs citations	73 times ranked	1800 citing authors

#	Article	IF	Citations
1	Toxoplasma gondii Hsp90 is a Potential Drug Target Whose Expression and Subcellular Localization are Developmentally Regulated. Journal of Molecular Biology, 2005, 350, 723-734.	4.2	92
2	The Histone Code of Toxoplasma gondii Comprises Conserved and Unique Posttranslational Modifications. MBio, 2013, 4, e00922-13.	4.1	85
3	Recombinant GRA4 or ROP2 Protein Combined with Alum or the gra4 Gene Provides Partial Protection in Chronic Murine Models of Toxoplasmosis. Vaccine Journal, 2004, 11, 704-710.	2.6	78
4	Protective effect of a naked DNA vaccine cocktail against lethal toxoplasmosis in mice. Vaccine, 2003, 21, 1327-1335.	3.8	77
5	Immunodiagnosis of fasciolosis using recombinant procathepsin L cystein proteinase. Diagnostic Microbiology and Infectious Disease, 2001, 41, 43-49.	1.8	76
6	Histones and histone modifications in protozoan parasites. Cellular Microbiology, 2006, 8, 1850-1861.	2.1	70
7	Toxoplasma H2A Variants Reveal Novel Insights into Nucleosome Composition and Functions for this Histone Family. Journal of Molecular Biology, 2009, 392, 33-47.	4.2	62
8	Evaluation of Toxoplasma gondii recombinant proteins for the diagnosis of recently acquired toxoplasmosis by an immunoglobulin G analysis. Diagnostic Microbiology and Infectious Disease, 2003, 47, 609-613.	1.8	61
9	Immunostimulatory properties of the Leishmania infantum heat shock proteins HSP70 and HSP83. Molecular Immunology, 1999, 36, 1131-1139.	2.2	57
10	Detection of HumanToxoplasma-Specific Immunoglobulins A, M, and G with a RecombinantToxoplasma gondiiRop2 Protein. Vaccine Journal, 1998, 5, 627-631.	2.6	56
11	High polymorphism in genes encoding antigen B from human infecting strains of Echinococcus granulosus. Parasitology, 2005, 131, 805.	1.5	54
12	In vitro evaluation of Î²-carboline alkaloids as potential anti-Toxoplasma agents. BMC Research Notes, 2013, 6, 193.	1.4	50
13	Toxoplasmahistone acetylation remodelers as novel drug targets. Expert Review of Anti-Infective Therapy, 2012, 10, 1189-1201.	4.4	47
14	Molecular cloning, sequencing and expression of a serine proteinase inhibitor gene from Toxoplasma gondiiâ˜†. Molecular and Biochemical Parasitology, 2000, 107, 241-249.	1.1	44
15	Protein palmitoylation inhibition by 2-bromopalmitate alters gliding, host cell invasion and parasite morphology in Toxoplasma gondii. Molecular and Biochemical Parasitology, 2012, 184, 39-43.	1.1	44
16	During canine leishmaniasis a protein belonging to the 83-kDa heat-shock protein family elicits a strong humoral response. Acta Tropica, 1996, 62, 45-56.	2.0	41
17	During active viscerocutaneous leishmaniasis the anti-P2 humoral response is specifically triggered by the parasite P proteins. Clinical and Experimental Immunology, 2008, 100, 246-252.	2.6	40
18	Variability and heritability of cell division pathways in Toxoplasma gondii. Journal of Cell Science, 2004, 117, 5697-5705.	2.0	32

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19	Potent antigen-specific immunity to Toxoplasma gondii in adjuvant-free vaccination system using Rop2-Leishmania infantum Hsp83 fusion protein. Vaccine, 2006, 24, 4102-4110.	3.8	32
20	Toxoplasma gondii Hsp20 is a stripeâ€arranged chaperoneâ€like protein associated with the outer leaflet of the inner membrane complex. Biology of the Cell, 2008, 100, 479-489.	2.0	32
21	The Hsp90 co-chaperone p23 of Toxoplasma gondii: Identification, functional analysis and dynamic interactome determination. Molecular and Biochemical Parasitology, 2010, 172, 129-140.	1.1	32
22	Subcellular localization and post-secretory targeting of TgPI, a serine proteinase inhibitor from Toxoplasma gondii. Molecular and Biochemical Parasitology, 2002, 121, 283-286.	1.1	30
23	Serological diagnosis of Toxoplasmosis disease using a fluorescent immunosensor with chitosan-ZnO-nanoparticles. Analytical Biochemistry, 2019, 564-565, 116-122.	2.4	30
24	Toxoplasma gondii protease inhibitor-1 (TgPI-1) is a novel vaccine candidate against toxoplasmosis. Vaccine, 2008, 26, 5040-5045.	3.8	29
25	Toxoplasma gondii has two lineages of histones 2b (H2B) with different expression profiles. Molecular and Biochemical Parasitology, 2006, 148, 103-107.	1.1	28
26	Production of the Main Surface Antigen of <I>Toxoplasma gondii</I> in Tobacco Leaves and Analysis of Its Antigenicity and Immunogenicity. Molecular Biotechnology, 2005, 30, 041-050.	2.4	26
27	Genomic clustering of theTrypanosoma cruzi nonlong terminal L1Tc retrotransposon with defined interspersed repeated DNA elements. Electrophoresis, 2000, 21, 2973-2982.	2.4	25
28	Structural and functional diversity in the family of small heat shock proteins from the parasite Toxoplasma gondii. Biochimica Et Biophysica Acta - Molecular Cell Research, 2009, 1793, 1738-1748.	4.1	25
29	Evaluation of ATM Kinase Inhibitor KU-55933 as Potential Anti-Toxoplasma gondii Agent. Frontiers in Cellular and Infection Microbiology, 2019, 9, 26.	3.9	24
30	Screening for active toxoplasmosis in patients by DNA hybridization with the ABGTg7 probe in blood samples. Journal of Clinical Microbiology, 1997, 35, 591-595.	3.9	24
31	Kinetic analysis of the humoral immune response against 3 Toxoplasma gondii-recombinant proteins in infants with suspected congenital toxoplasmosis. Diagnostic Microbiology and Infectious Disease, 2006, 56, 161-165.	1.8	21
32	Analysis of the adjuvant effect of recombinant Leishmania infantum Hsp83 protein as a tool for vaccination. Immunology Letters, 2001, 76, 107-110.	2.5	20
33	N-terminal palmitoylation is required for Toxoplasma gondii HSP20 inner membrane complex localization. Biochimica Et Biophysica Acta - Molecular Cell Research, 2013, 1833, 1329-1337.	4.1	20
34	Long-Term Protective Immune Response Elicited by Vaccination with an Expression Genomic Library of Toxoplasma gondii. Infection and Immunity, 2003, 71, 5407-5411.	2.2	18
35	A Review of Recent Patents on the Protozoan Parasite HSP90 as a Drug Target. Recent Patents on Biotechnology, 2013, 7, 2-8.	0.8	18
36	A Neospora caninum vaccine using recombinant proteins fails to prevent foetal infection in pregnant cattle after experimental intravenous challenge. Veterinary Immunology and Immunopathology, 2014, 162, 142-153.	1.2	16

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37	High Level of Expression of the Toxoplasma gondii-Recombinant Rop2 Protein in Escherichia coli as a Soluble Form for Optimal Use in Diagnosis. Molecular Biotechnology, 2001, 18, 269-274.	2.4	15
38	Evaluation of the antigenic value of recombinant Toxoplasma gondii HSP20 to detect specific immunoglobulin G antibodies in Toxoplasma infected humans. Experimental Parasitology, 2010, 126, 263-266.	1.2	15
39	Emerging Therapeutic Targets Against Toxoplasma gondii: Update on DNA Repair Response Inhibitors and Genotoxic Drugs. Frontiers in Cellular and Infection Microbiology, 2020, 10, 289.	3.9	15
40	Plant Hsp90 Proteins Interact with B-Cells and Stimulate Their Proliferation. PLoS ONE, 2011, 6, e21231.	2.5	15
41	The Knowns Unknowns: Exploring the Homologous Recombination Repair Pathway in Toxoplasma gondii. Frontiers in Microbiology, 2016, 7, 627.	3.5	14
42	Cloning of Repetitive DNA Sequences from Toxoplasma Gondii and their Usefulness for Parasite Detection. American Journal of Tropical Medicine and Hygiene, 1992, 46, 350-357.	1.4	14
43	Expression of a cDNA encoding aToxoplasma gondiiprotein belonging to the heat-shock 90 family and analysis of its antigenicity. FEMS Microbiology Letters, 2000, 190, 209-213.	1.8	13
44	Efficient expression of a Toxoplasma gondii dense granule Gra4 antigen in tobacco leaves. Experimental Parasitology, 2008, 120, 118-122.	1.2	13
45	Canonical histone H2Ba and H2A.X dimerize in an opposite genomic localization to H2A.Z/H2B.Z dimers in Toxoplasma gondii. Molecular and Biochemical Parasitology, 2014, 197, 36-42.	1.1	13
46	Identification and characterization of serine proteinase inhibitors from Neospora caninum. Molecular and Biochemical Parasitology, 2004, 136, 101-107.	1.1	12
47	Toxoplasma gondii Sis1-like J-domain protein is a cytosolic chaperone associated to HSP90/HSP70 complex. International Journal of Biological Macromolecules, 2012, 50, 725-733.	7.5	11
48	Early diagnosis of toxoplasmic encephalitis in AIDS patients by dot blot hybridization analysis. Journal of Clinical Microbiology, 1992, 30, 3286-3287.	3.9	11
49	Arrays of repetitive DNA elements in the largest chromosomes of Toxoplasma gondii. Genome, 1999, 42, 265-269.	2.0	10
50	Toxoplasma gondiiHsp90: potential roles in essential cellular processes of the parasite. Parasitology, 2014, 141, 1138-1147.	1.5	10
51	Structure Analysis of Two Toxoplasma gondii and Neospora caninum Satellite DNA Families and Evolution of Their Common Monomeric Sequence. Journal of Molecular Evolution, 2004, 58, 557-567.	1.8	9
52	Serology using rROP2 antigen in the diagnostic of toxoplasmosis in pregnant women. Revista Do Instituto De Medicina Tropical De Sao Paulo, 2009, 51, 283-288.	1.1	9
53	Toxoplasma gondii seropositivity associated to peri-urban living places in pregnant women in a rural area of Buenos Aires province, Argentina. Parasite Epidemiology and Control, 2019, 7, e00121.	1.8	9
54	Heat Shock Proteins 90 kDa: Immunomodulators and Adjuvants in Vaccine Design Against Infectious Diseases. Frontiers in Bioengineering and Biotechnology, 2020, 8, 622186.	4.1	9

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55	Protozoan HSP90-Heterocomplex: Molecular Interaction Network and Biological Significance. Current Protein and Peptide Science, 2014, 15, 245-255.	1.4	9
56	Genome-wide localization of histone variants in Toxoplasma gondii implicates variant exchange in stage-specific gene expression. BMC Genomics, 2022, 23, 128.	2.8	9
57	OtimizaÃ§Ã£o da reaÃ§Ã£o de polimerase em cadeia para detecÃ§Ã£o de Toxoplasma gondii em sangue venoso e placenta de gestantes. Jornal Brasileiro De Patologia E Medicina Laboratorial, 2002, 38, 105-110.	0.3	8
58	Characterization of Toxoplasma gondii subtelomeric-like regions: identification of a long-range compositional bias that is also associated with gene-poor regions. BMC Genomics, 2014, 15, 21.	2.8	8
59	Characterisation of a novel interspersedToxoplasma gondiiDNA repeat with potential uses for PCR diagnosis and PCR-RFLP analysis. FEMS Microbiology Letters, 2000, 184, 23-27.	1.8	7
60	Resveratrol induces H3 and H4K16 deacetylation and H2A.X phosphorylation in Toxoplasma gondii. BMC Research Notes, 2021, 14, 19.	1.4	7
61	In vitro Effect of Harmine Alkaloid and Its N-Methyl Derivatives Against Toxoplasma gondii. Frontiers in Microbiology, 2021, 12, 716534.	3.5	7
62	Repetitive DNA sequences of Toxoplasma gondii for development of diagnostic probes. Memorias Do Instituto Oswaldo Cruz, 1991, 86, 483-484.	1.6	7
63	A Comprehensive Review of Toxoplasma Gondii Biology and Host-Cell Interaction: Challenges for a Plant-Based Vaccine. , 2018, , 89-120.		6
64	Oral Immunization With a Plant HSP90-SAG1 Fusion Protein Produced in Tobacco Elicits Strong Immune Responses and Reduces Cyst Number and Clinical Signs of Toxoplasmosis in Mice. Frontiers in Plant Science, 2021, 12, 726910.	3.6	6
65	Epichromatin is conserved in Toxoplasma gondii and labels the exterior parasite chromatin throughout the cell cycle. Parasitology, 2013, 140, 1104-1110.	1.5	4
66	Apicomplexa and Histone Variants: Whatâ€™s New?. , 2020, , .		4
67	A comprehensive analysis of direct and photosensitized attenuation of Toxoplasma gondii tachyzoites. Journal of Photochemistry and Photobiology B: Biology, 2017, 177, 8-17.	3.8	2
68	A simple and economic slide micro-immunoenzymatic (Micro-SIA) test for epidemiological studies of toxoplasmosis. Memorias Do Instituto Oswaldo Cruz, 1994, 89, 47-51.	1.6	1
69	Arrays of repetitive DNA elements in the largest chromosomes of Toxoplasma gondii. Genome, 1999, 42, 265-269.	2.0	1
70	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
71	Evaluation of Toxoplasma gondii recombinant antigens for early diagnosis of congenital toxoplasmosis. Diagnostic Microbiology and Infectious Disease, 2021, 102, 115608.	1.8	0