## Salvatore G De-Simone

List of Publications by Year in descending order

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279701 315616 2,055 122 23 38 citations g-index h-index papers 130 130 130 2578 docs citations times ranked citing authors

#	Article	IF	CITATIONS
1	Angiostrongylus cantonensis an Atypical Presenilin: Epitope Mapping, Characterization, and Development of an ELISA Peptide Assay for Specific Diagnostic of Angiostrongyliasis. Membranes, 2022, 12, 108.	1.4	O
2	New Insights into Hemopexin-Binding to Hemin and Hemoglobin. International Journal of Molecular Sciences, 2022, 23, 3789.	1.8	4
3	Detrimental Effect of Ozone on Pathogenic Bacteria. Microorganisms, 2022, 10, 40.	1.6	20
4	Rapid Detection of Anti-SARS-CoV-2 Antibodies with a Screen-Printed Electrode Modified with a Spike Glycoprotein Epitope. Biosensors, 2022, 12, 272.	2.3	9
5	Subtilisin of Leishmania amazonensis as Potential Druggable Target: Subcellular Localization, In Vitro Leishmanicidal Activity and Molecular Docking of PF-429242, a Subtilisin Inhibitor. Current Issues in Molecular Biology, 2022, 44, 2089-2106.	1.0	2
6	Potent Activity of a High Concentration of Chemical Ozone against Antibiotic-Resistant Bacteria. Molecules, 2022, 27, 3998.	1.7	8
7	Epitope Mapping of the Diphtheria Toxin and Development of an ELISA-Specific Diagnostic Assay. Vaccines, 2021, 9, 313.	2.1	11
8	Small Angle X-ray Scattering, Molecular Modeling, and Chemometric Studies from a Thrombin-Like (Lmr-47) Enzyme of Lachesis m. rhombeata Venom. Molecules, 2021, 26, 3930.	1.7	0
9	Performance assessment of a multi-epitope chimeric antigen for the serological diagnosis of acute Mayaro fever. Scientific Reports, 2021, 11, 15374.	1.6	8
10	Acinetobacter baumannii Infections in Times of COVID-19 Pandemic. Pathogens, 2021, 10, 1006.	1,2	95
11	Nicastrin-Like, a Novel Transmembrane Protein from Trypanosoma cruzi Associated to the Flagellar Pocket. Microorganisms, 2021, 9, 1750.	1.6	1
12	SARS-CoV-2 Proteins Bind to Hemoglobin and Its Metabolites. International Journal of Molecular Sciences, 2021, 22, 9035.	1.8	41
13	Multiepitope Proteins for the Differential Detection of IgG Antibodies against RBD of the Spike Protein and Non-RBD Regions of SARS-CoV-2. Vaccines, 2021, 9, 986.	2.1	8
14	Antiviral Potential of Naphthoquinones Derivatives Encapsulated within Liposomes. Molecules, 2021, 26, 6440.	1.7	5
15	Lectin Affinity Chromatography: An Efficient Method to Purify Horse IgG3. Methods in Molecular Biology, 2021, 2178, 301-310.	0.4	3
16	A Pencil-Lead Immunosensor for the Rapid Electrochemical Measurement of Anti-Diphtheria Toxin Antibodies. Biosensors, 2021, 11, 489.	2.3	2
17	Trypanosoma cruzi Presenilin-Like Transmembrane Aspartyl Protease: Characterization and Cellular Localization. Biomolecules, 2020, 10, 1564.	1.8	7
18	Type 1 diabetes progression is associated with loss of CD3+CD56+ regulatory T cells that control CD8+ T-cell effector functions. Nature Metabolism, 2020, 2, 142-152.	5.1	23

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19	Pan-Drug Resistant Acinetobacter baumannii, but Not Other Strains, Are Resistant to the Bee Venom Peptide Melittin. Antibiotics, 2020, 9, 178.	1.5	18
20	Bactericidal Activity of a Cationic Peptide on Neisseria meningitidis. Infectious Disorders - Drug Targets, 2019, 19, 421-427.	0.4	0
21	Electrochemical immunosensor for differential diagnostic of Wuchereria bancrofti using a synthetic peptide. Biosensors and Bioelectronics, 2018, 113, 9-15.	5.3	9
22	Development of an electrochemical immunosensor for the diagnostic testing of spotted fever using synthetic peptides. Biosensors and Bioelectronics, 2018, 100, 115-121.	5.3	16
23	Cryptosporidium spp. Contamination in Perna perna Mussels Destined for Human Consumption in Southeastern Rio de Janeiro, Brazil. Bulletin of Environmental Contamination and Toxicology, 2018, 100, 240-244.	1.3	7
24	Purification of equine IgG3 by lectin affinity and an interaction analysis via microscale thermophoresis. Analytical Biochemistry, 2018, 561-562, 27-31.	1.1	4
25	Oligopeptidase B and B2: comparative modelling and virtual screening as searching tools for new antileishmanial compounds. Parasitology, 2017, 144, 536-545.	0.7	11
26	Potentially toxic filamentous fungi associated to the economically important Nodipecten nodosus (Linnaeus, 1758) scallop farmed in southeastern Rio de Janeiro, Brazil. Marine Pollution Bulletin, 2017, 115, 75-79.	2.3	9
27	Ultrasensitive and rapid immuno-detection of human IgE anti-therapeutic horse sera using an electrochemical immunosensor. Analytical Biochemistry, 2017, 538, 13-19.	1.1	9
28	Development of an elisa for the diagnosis of reactive IgE antibodies anti-therapeutic horse sera. Toxicon, 2017, 138, 37-42.	0.8	9
29	N-acetyl-cysteine inhibits liver oxidative stress markers in BALB/c mice infected with Leishmania amazonensis. Memorias Do Instituto Oswaldo Cruz, 2017, 112, 146-154.	0.8	9
30	Temporizin and Temporizin-1 Peptides as Novel Candidates for Eliminating Trypanosoma cruzi. PLoS ONE, 2016, 11, e0157673.	1.1	14
31	Spot Synthesis: An Optimized Microarray to Detect IgE Epitopes. Methods in Molecular Biology, 2016, 1352, 263-277.	0.4	9
32	B-cell linear epitopes mapping of antigen-5 allergen from Polybia paulista wasp venom. Journal of Allergy and Clinical Immunology, 2015, 135, 264-267.e8.	1.5	15
33	Increased tau phosphorylation and receptor for advanced glycation endproducts (RAGE) in the brain of mice infected with Leishmania amazonensis. Brain, Behavior, and Immunity, 2015, 43, 37-45.	2.0	14
34	Linear B-cell epitopes in BthTX-I, BthTX-II and BthA-I, phospholipase A2's from Bothrops jararacussu snake venom, recognized by therapeutically neutralizing commercial horse antivenom. BMC Proceedings, 2014, 8, .	1.8	0
35	In Search of Topical Agricultural Biofungicides: Properties of the Recombinant Antimicrobial Peptide Trxaq-AMP Obtained from Amaranthus quitensis. Journal of Microbial & Biochemical Technology, 2014, 06, .	0.2	2
36	Intranasal vaccination with extracellular serine proteases of Leishmania amazonensis confers protective immunity to BALB/c mice against infection. Parasites and Vectors, 2014, 7, 448.	1.0	22

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37	IgE and IgG epitope mapping by microarray peptide-immunoassay reveals the importance and diversity of the immune response to the IgG3 equine immunoglobulin. Toxicon, 2014, 78, 83-93.	0.8	10
38	Identification of linear B epitopes of pertactin of Bordetella pertussis induced by immunization with whole and acellular vaccine. Vaccine, 2014, 32, 6251-6258.	1.7	10
39	Mayaro Virus Disease. Journal of Human Virology & Retrovirology, 2014, 1, .	0.1	9
40	AN OVERVIEW OF PERTUSSIS REEMERGENCE AND EVIDENCE OF ITS RESURGENCE IN BRAZIL. Journal of Tropical Pathology, 2014, 43, .	0.1	2
41	A RE-EMERGÊNCIA DA COQUELUCHE: DA ROTINA DOS ATENDIMENTOS AO IMPERATIVO DA BIOSSEGURANÇA. Journal of Tropical Pathology, 2014, 43, .	0.1	0
42	Chagas disease-specific antigens: characterization of epitopes in CRA/FRA by synthetic peptide mapping and evaluation by ELISA-peptide assay. BMC Infectious Diseases, 2013, 13, 568.	1.3	22
43	Linear B-cell epitopes in BthTX-1, BthTX-II and BthA-1, phospholipase A2's from Bothrops jararacussu snake venom, recognized by therapeutically neutralizing commercial horse antivenom. Toxicon, 2013, 72, 90-101.	0.8	26
44	Antimicrobial activity of pleurocidin is retained in Plc-2, a C-terminal 12-amino acid fragment. Peptides, 2013, 45, 78-84.	1.2	15
45	Activity of Naturally Derived Antimicrobial Peptides against Filamentous Fungi Relevant for Agriculture. Sustainable Agriculture Research, 2012, 1, 211.	0.2	4
46	Occurrence of Natural Vertical Transmission of Dengue-2 and Dengue-3 Viruses in Aedes aegypti and Aedes albopictus in Fortaleza, Cear $\tilde{A}_i$ , Brazil. PLoS ONE, 2012, 7, e41386.	1.1	80
47	B cell epitope mapping and characterization of naturally acquired antibodies to the Plasmodium vivax Merozoite Surface Protein-3α (PvMSP-3α) in malaria exposed individuals from Brazilian Amazon. Vaccine, 2011, 29, 1801-1811.	1.7	40
48	Serine protease activities in Leishmania (Leishmania) chagasi promastigotes. Parasitology Research, 2010, 107, 1151-1162.	0.6	13
49	Immunome and venome of Bothrops jararacussu: A proteomic approach to study the molecular immunology of snake toxins. Toxicon, 2010, 55, 1222-1235.	0.8	45
50	Promiscuous T-cell epitopes of Plasmodium merozoite surface protein 9 (PvMSP9) induces IFN- $\hat{l}^3$ and IL-4 responses in individuals naturally exposed to malaria in the Brazilian Amazon. Vaccine, 2010, 28, 3185-3191.	1.7	22
51	Serine proteases of Leishmania amazonensis as immunomodulatory and disease-aggravating components of the crude LaAg vaccine. Vaccine, 2010, 28, 5491-5496.	1.7	19
52	Trypanosoma cruzi: Isolation and characterization of aspartyl proteases. Experimental Parasitology, 2009, 122, 128-133.	0.5	28
53	Catalytic mechanism and protonation state of pepsin-like aspartyl protease active site. Revista Virtual De Quimica, 2009, $1$ , .	0.1	O
54	Structural characterization and low-resolution model of BJ-48, a thrombin-like enzyme from Bothrops jararacussu venom. Biophysical Chemistry, 2008, 132, 159-164.	1.5	5

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55	Oligopeptidase B-2 from Leishmania amazonensis with an unusual C-terminal extension. Acta Parasitologica, 2008, 53, .	0.4	15
56	Evaluation of the genetic polymorphism of Plasmodium falciparum P126 protein (SERA or SERP) and its influence on naturally acquired specific antibody responses in malaria-infected individuals living in the Brazilian Amazon. Malaria Journal, 2008, 7, 144.	0.8	14
57	Purification and subcellular localization of a secreted 75kDa Trypanosoma cruzi serine oligopeptidase. Acta Tropica, 2008, 107, 159-167.	0.9	25
58	On the quaternary structure of a C-type lectin from Bothrops jararacussu venom – BJ-32 (BjcuL). Toxicon, 2008, 52, 944-953.	0.8	8
59	Naturally acquired humoral and cellular immune responses to Plasmodium vivax merozoite surface protein 9 in Northwestern Amazon individuals. Vaccine, 2008, 26, 6645-6654.	1.7	45
60	Identification of Serine Proteases from Leishmania braziliensis. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2007, 62, 373-381.	0.6	22
61	BJ-48, a novel thrombin-like enzyme from the Bothrops jararacussu venom with high selectivity for Arg over Lys in P1: Role of N-glycosylation in thermostability and active site accessibility. Toxicon, 2007, 50, 18-31.	0.8	40
62	Identification and characterization of proteases from skin mucus of tambacu, a Neotropical hybrid fish. Fish Physiology and Biochemistry, 2007, 33, 173-179.	0.9	25
63	Oligopeptidase B from L. amazonensis: molecular cloning, gene expression analysis and molecular model. Parasitology Research, 2007, 101, 853-863.	0.6	20
64	Oligopeptidase B from Leishmania amazonensis: molecular cloning, gene expression analysis and molecular model. Parasitology Research, 2007, 101, 865-875.	0.6	21
65	Effects of serine protease inhibitors on viability and morphology of Leishmania (Leishmania) amazonensis promastigotes. Parasitology Research, 2007, 101, 1627-1635.	0.6	52
66	Trypanosomatidae Peptidases: A Target for Drugs Development. Current Enzyme Inhibition, 2007, 3, 19-48.	0.3	38
67	A novel butyrylcholinesterase from serum of Leporinus macrocephalus, a Neotropical fish. Biochimie, 2006, 88, 59-68.	1.3	15
68	Purification and Amino Acid Sequence of Fructose-1,6-bisphosphate Aldolase from the Electric Organ of Electrophorus electricus (L.). Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2006, 61, 884-888.	0.6	1
69	The Na+ binding channel of human coagulation proteases: Novel insights on the structure and allosteric modulation revealed by molecular surface analysis. Biophysical Chemistry, 2006, 119, 282-294.	1.5	10
70	Optimization of sample preparation from skin mucus of a neotropical fish for two-dimensional substrate gel electrophoresis. Analytical Biochemistry, 2006, 357, 153-155.	1.1	0
71	Simple affinity chromatographic procedure to purify $\hat{l}^2$ -galactoside binding lectins. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2006, 838, 135-138.	1.2	21
72	Characterization of an extracellular serine protease ofLeishmania (Leishmania) amazonensis. Parasitology, 2005, 131, 85-96.	0.7	162

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73	Biochemical and molecular modeling analysis of the ability of two p-aminobenzamidine-based sorbents to selectively purify serine proteases (fibrinogenases) from snake venoms. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2005, 822, 1-9.	1.2	35
74	Subcellular localization of an intracellular serine protease of 68 kDa in Leishmania (Leishmania) amazonensis promastigotes. Memorias Do Instituto Oswaldo Cruz, 2005, 100, 377-383.	0.8	17
75	Partial purification and characterization of digestive trypsin-like proteases from the velvet bean caterpillar, Anticarsia gemmatalis. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2005, 140, 369-380.	0.7	61
76	Trypsin-like activity of membrane-bound midgut proteases from Anticarsia gemmatalis (Lepidoptera:) Tj ETQq0 0	) 0 <sub>Ig</sub> BT /C	)verlock 10 Tf
77	Leishmania (Leishmania) amazonensis: purification and characterization of a promastigote serine protease. Experimental Parasitology, 2004, 107, 173-182.	0.5	38
78	Subcellular localization of an extracellular serine protease in Leishmania (Leishmania) amazonensis. Parasitology Research, 2004, 93, 328-31.	0.6	25
79	S1 subsite in snake venom thrombin-like enzymes: can S1 subsite lipophilicity be used to sort binding affinities of trypsin-like enzymes to small-molecule inhibitors?. Bioorganic and Medicinal Chemistry, 2004, 12, 2571-2587.	1.4	17
80	A Serine Protease from a Detergent-soluble Extract of Leishmania (Leishmania) amazonensis. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2004, 59, 590-598.	0.6	18
81	Extracellular metalloproteinase activity in Phytomonas françai. Parasitology Research, 2003, 89, 320-322.	0.6	12
82	Simple immunoaffinity method to purify recombinant hepatitis B surface antigen secreted by transfected mammalian cells. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2003, 787, 303-311.	1.2	15
83	HIV-1 gp120 induces anergy in naive T lymphocytes through CD4-independent protein kinase-A-mediated signaling. Journal of Leukocyte Biology, 2003, 74, 1117-1124.	1.5	38
84	Purification and partial characterization of a lectin from Caesalpinia tinctoria Domb, ex Dc fruits. Brazilian Journal of Plant Physiology, 2003, 15, 119-122.	0.5	3
85	Aspartic Proteinase in Dugesia tigrina (Girard) Planaria. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2002, 57, 541-547.	0.6	3
86	Evaluation of an antigen from Taeniacrassiceps cysticercus for the serodiagnosis of neurocysticercosis. Acta Tropica, 2002, 83, 159-168.	0.9	29
87	Exploring the subsite specificity of Schistosoma mansonias partyl hemoglobinase through comparative molecular modelling. FEBS Letters, 2002, 514, 141-148.	1.3	11
88	Molecular Modeling Approaches for Determining Gene Function: application to a Putative Poly-A Binding Protein from Leishmania amazonensis (LaPABP). Memorias Do Instituto Oswaldo Cruz, 2002, 97, 335-341.	0.8	3
89	Isolation and partial characterization of a novel lectin from Talisia esculenta seeds that interferes with fungal growth. Plant Physiology and Biochemistry, 2002, 40, 61-68.	2.8	62
90	Bothrops Moojeni Venom Peptides Containing Bradykinin Potentiating Peptides Sequences. Protein and Peptide Letters, 2001, 8, 21-26.	0.4	5

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91	Crithidia guilhermei: Purification and Partial Characterization of a 62-kDa Extracellular Metalloproteinase. Experimental Parasitology, 2001, 97, 1-8.	0.5	22
92	Molecular modeling study on a Leishmania cysteine proteinase. Computational and Theoretical Chemistry, 2001, 539, 289-295.	1.5	4
93	On the Cysteine proteinases of <i>Leishmanial</i> An experimental and theoretical study of cellular immunological response. Biochemical Society Transactions, 2000, 28, A254-A254.	1.6	O
94	Detection of cysteine-proteinases in Leishmania amazonensis promastigotes using a cross-reactive antiserum. FEMS Microbiology Letters, 2000, 186, 263-267.	0.7	9
95	Mapping of the N terminus of the Schistosoma mansoni tegumental antigen Sm15 to its predicted precursor protein. International Journal for Parasitology, 2000, 30, 859-861.	1.3	2
96	Identification and properties of two extracellular proteases from Brevundimonas diminuta. Brazilian Journal of Microbiology, 2000, 31, 25-29.	0.8	6
97	Purification and partial characterization of creatine kinase from electric organ of Electrophorus electricus (L.). International Journal of Biochemistry and Cell Biology, 2000, 32, 427-433.	1.2	4
98	Detection of cysteine-proteinases in Leishmania amazonensis promastigotes using a cross-reactive antiserum. FEMS Microbiology Letters, 2000, 186, 263-267.	0.7	2
99	Purification and partial characterization of an extracellular serine-proteinase of Streptomyces cyaneus isolated from Brazilian cerrado soil. Journal of Applied Microbiology, 1999, 87, 557-563.	1.4	17
100	Plasmodium vivax, P. cynomolgi, and P. knowlesi: Identification of Homologue Proteins Associated with the Surface of Merozoites. Experimental Parasitology, 1999, 91, 238-249.	0.5	55
101	Purification and Partial Characterization of Glyceraldehyde-Phosphate Dehydrogenase from Electric Organ of Electrophorus electricus (L.). Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 1998, 53, 416-420.	0.6	2
102	Purification and Partial Characterization of Trypanosoma cruzi Triosephosphate Isomerase. Memorias Do Instituto Oswaldo Cruz, 1998, 93, 219-224.	0.8	6
103	Detrimental effect of nitric oxide on Trypanosoma cruzi and Leishmania major like cells. Acta Tropica, 1997, 66, 109-118.	0.9	20
104	Single-step purification of crotapotin and crotactine from Crotalus durissus terrificus venom using preparative isoelectric focusing. Brazilian Journal of Medical and Biological Research, 1997, 30, 25-28.	0.7	1
105	Purification, properties, and N-terminal amino acid sequence of a kallikrein-like enzyme from the venom of Lachesis muta rhombeata (Bushmaster). The Protein Journal, 1997, 16, 809-818.	1.1	22
106	Purification and partial characterization of a thrombin-like/gyroxin enzyme from bushmaster (Lachesis muta rhombeata) venom. Toxicon, 1996, 34, 555-565.	0.8	46
107	N-terminal amino acid sequences of the major outer membrane proteins from a Neisseria meningitidis group B strain isolated in Brazil. Memorias Do Instituto Oswaldo Cruz, 1996, 91, 111-116.	0.8	0
108	Can software be used to predict antigenic regions in Plasmodium falciparum peptides?. Parasite Immunology, 1996, 18, 159-161.	0.7	2

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109	Anti-moulting activity in Brazilian Melia azedarach. Memorias Do Instituto Oswaldo Cruz, 1996, 91, 117-118.	0.8	13
110	Preparative isolation of the lectin jacalin by anion-exchange high-performance liquid chromatography. Journal of Chromatography A, 1994, 688, 357-362.	1.8	11
111	Acetylcholinesterase and Non-Specific Esterase Activities during the Regeneration of Planaria Dugesia tigrina (Girard). Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 1994, 49, 501-507.	0.6	2
112	Rapid method using high performance liquid chromatography for the purification of tetanus toxoid. Memorias Do Instituto Oswaldo Cruz, 1994, 89, 593-594.	0.8	0
113	Partial isolation and some properties of enterotoxin produced by Bacillus cereus strains. Memorias Do Instituto Oswaldo Cruz, 1993, 88, 131-134.	0.8	2
114	Aminotransferase activity during the regeneration of planarians Dugesia tigrina (Girard). Comparative Biochemistry and Physiology Part B: Comparative Biochemistry, 1992, 101, 323-326.	0.2	0
115	Isolation and immunological analysis of Trypanosoma cruzi glycolipids. Acta Tropica, 1991, 48, 233-241.	0.9	1
116	A glass wool-based method for purifying Trypanosoma cruzi trypomastigotes and identification of an epimastigote-specific glass-adherent surface peptide. Acta Tropica, 1991, 50, 29-38.	0.9	7
117	Identification and characterization of sex-linked proteins of Schistosoma mansoni. Memorias Do Instituto Oswaldo Cruz, 1991, 86, 31-36.	0.8	4
118	Characterization of plasma menbrane polypeptides of trypanosoma from bats. Memorias Do Instituto Oswaldo Cruz, 1989, 84, 13-18.	0.8	6
119	Analysis of toxoplasma gondii proteins after Triton X-114 solubilization and hidropholic chromotograhy. Memorias Do Instituto Oswaldo Cruz, 1988, 83, 513-517.	0.8	2
120	Identification and partial characterization of plasma membrane polypeptides of Crithidia guilhermei, crithidia deanei and Crithidia oncopelti. Comparative Biochemistry and Physiology Part B: Comparative Biochemistry, 1987, 88, 1091-1096.	0.2	0
121	Trypanosoma cruzi strain-specific monoclonal antibodies: identification of Colombian strain flagellates in the insect vector. Transactions of the Royal Society of Tropical Medicine and Hygiene, 1987, 81, 750-754.	0.7	6
122	Antigenic Differences between Insect- and Culture-Derived Trypanosoma cruzi Metacyclic Trypomastigote Extracts. American Journal of Tropical Medicine and Hygiene, 1987, 37, 63-65.	0.6	1