NÃ©lson Jo SimÃµes

List of Publications by Year
in descending order

37 papers	1,091 citations	331538 21 h-index	414303 32 g-index
37 all docs	37 docs citations	37 times ranked	1099 citing authors

#	Article	IF	Citations
1	Purification and Characterization of an Extracellular Protease from Xenorhabdus nematophila Involved in Insect Immunosuppression. Applied and Environmental Microbiology, 2002, 68, 1297-1304.	1.4	91
2	Biochemical study andin vitroinsect immune suppression by a trypsin-like secreted protease from the nematodeSteinernema carpocapsae. Parasite Immunology, 2010, 32, 165-175.	0.7	67
3	An apoptosis-inducing serine protease secreted by the entomopathogenic nematode Steinernema carpocapsae. International Journal for Parasitology, 2009, 39, 1319-1330.	1.3	58
4	Purification and Characterization of Two Distinct Metalloproteases Secreted by the Entomopathogenic Bacterium Photorhabdus sp. Strain Az29. Applied and Environmental Microbiology, 2004, 70, 3831-3838.	1.4	52
5	Purification, biochemical and molecular analysis of a chymotrypsin protease with prophenoloxidase suppression activity from the entomopathogenic nematode Steinernema carpocapsae. International Journal for Parasitology, 2009, 39, 975-984.	1.3	52
6	Insect immunityâ€"effects of factors produced by a nematobacterial complex on immunocompetent cells. Journal of Insect Physiology, 1999, 45, 677-685.	0.9	43
7	Pathogenicity Caused by High Virulent and Low Virulent Strains of Steinernema carpocapsae to Galleria mellonella. Journal of Invertebrate Pathology, 2000, 75, 47-54.	1.5	43
8	Serine Protease-mediated Host Invasion by the Parasitic Nematode Steinernema carpocapsae. Journal of Biological Chemistry, 2010, 285, 30666-30675.	1.6	41
9	A Pathogenic Nematode Targets Recognition Proteins to Avoid Insect Defenses. PLoS ONE, 2013, 8, e75691.	1.1	41
10	A Serpin Released by an Entomopathogen Impairs Clot Formation in Insect Defense System. PLoS ONE, 2013, 8, e69161.	1.1	40
11	Increased transcript diversity: novel splicing variants of Machadoâ€"Joseph Disease gene (ATXN3). Neurogenetics, 2010, 11, 193-202.	0.7	37
12	Transcripts analysis of the entomopathogenic nematode Steinernema carpocapsae induced in vitro with insect haemolymph. Molecular and Biochemical Parasitology, 2010, 169, 79-86.	0.5	35
13	Bacillus pumilus S124A carboxymethyl cellulase; a thermo stable enzyme with a wide substrate spectrum utility. International Journal of Biological Macromolecules, 2014, 67, 132-139.	3.6	35
14	Cloning, characterisation and heterologous expression of an astacin metalloprotease, Sc-AST, from the entomoparasitic nematode Steinernema carpocapsae. Molecular and Biochemical Parasitology, 2010, 174, 101-108.	0.5	34
15	Mitochondrial DNA Mutations in Cancer: A Review. Current Topics in Medicinal Chemistry, 2008, 8, 1351-1366.	1.0	31
16	Insect immunity: the haemocytes of the armyworm Mythimna unipuncta (Lepidoptera: Noctuidae) and their role in defence reactions. in vivo and in vitro studies. Journal of Insect Physiology, 1996, 42, 815-822.	0.9	30
17	Bovine Oocyte Quality in Relation to Ultrastructural Characteristics of Zona Pellucida, Polyspermic Penetration and Developmental Competence. Reproduction in Domestic Animals, 2008, 43, 685-689.	0.6	30
18	Effect of airflow rate on yields ofSteinernema carpocapse Az 20 in liquid culture in an external-loop airlift bioreactor. Biotechnology and Bioengineering, 2001, 72, 369-373.	1.7	28

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19	Neonate Human Remains: A Window of Opportunity to the Molecular Study of Ancient Syphilis. PLoS ONE, 2012, 7, e36371.	1.1	28
20	The genome, transcriptome, and proteome of the nematode Steinernema carpocapsae: evolutionary signatures of a pathogenic lifestyle. Scientific Reports, 2016, 6, 37536.	1.6	25
21	The Complete Mitochondrial Genome of the Entomopathogenic Nematode Steinernema carpocapsae: Insights into Nematode Mitochondrial DNA Evolution and Phylogeny. Journal of Molecular Evolution, 2006, 62, 211-225.	0.8	24
22	Highâ€performance liquid chromatographyâ€diode array detectionâ€electrospray ionization multiâ€stage mass spectrometric screening of an insect/plant system: the case of Spodoptera littoralis/Lycopersicon esculentum phenolics and alkaloids. Rapid Communications in Mass Spectrometry, 2011, 25, 1972-1980.	0.7	21
23	Purification and Biochemical Characterization of a Novel Thermo-stable Carboxymethyl Cellulase from Azorean Isolate Bacillus mycoides S122C. Applied Biochemistry and Biotechnology, 2012, 168, 2191-2204.	1.4	20
24	Evaluation of twenty-eight strains of Heterorhabditis bacteriophora isolated in Azores for biocontrol of the armyworm, Pseudaletia unipuncta (Lepidoptera: Noctuidae). Biological Control, 2004, 29, 409-417.	1.4	19
25	Purification and characterization of two serine protease inhibitors from the hemolymph of Mythimna unipuncta. Insect Biochemistry and Molecular Biology, 2001, 31, 761-769.	1.2	17
26	Occurrence and characterization of a nucleopolyhedrovirus from Spodoptera littoralis (Lepidoptera:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.5	17
27	Identification and expression analysis of the Steinernema carpocapsae elastase-like serine protease gene during the parasitic stage. Experimental Parasitology, 2009, 122, 51-60.	0.5	16
28	Purification, molecular characterization and gene expression analysis of an aspartic protease (Sc-ASP113) from the nematode Steinernema carpocapsae during the parasitic stage. Molecular and Biochemical Parasitology, 2012, 182, 37-44.	0.5	16
29	Differences between the pathogenic processes induced by Steinernema and Heterorhabditis (Nemata:) Tj ETQq1 1 0.784314 rgBT /Over 80, 46-54.	1.5	15
30	Identification, characterization of functional candidate genes for hostâ€“parasite interactions in entomopathogenetic nematode Steinernema carpocapsae by suppressive subtractive hybridization. Parasitology Research, 2008, 103, 671-683.	0.6	15
31	Pepsin-like aspartic protease (Sc-ASP155) cloning, molecular characterization and gene expression analysis in developmental stages of nematode Steinernema carpocapsae. Gene, 2012, 500, 164-171.	1.0	15
32	Factors influencing parasitism of adult Japanese beetles,Polillia japonica (Col.: Scarabaeidae) by entomopathogenic nematodes. Entomophaga, 1993, 38, 501-509.	0.2	13
33	Genetic diversity and comparative analysis of gene expression between Heterorhabditis bacteriophora Az29 and Az36 isolates: Uncovering candidate genes involved in insect pathogenicity. Experimental Parasitology, 2012, 130, 116-125.	0.5	13
34	Bioactive Excreted/Secreted Products of Entomopathogenic Nematode Heterorhabditis bacteriophora Inhibit the Phenoloxidase Activity during the Infection. Insects, 2020, 11, 353.	1.0	13
35	Encapsulation Response of 6th Instar of Pseudaletia unipuncta (Lepidoptera: Noctuidae) to Steinernema carpocapsae (Nematoda: Steinernematidae). Journal of Invertebrate Pathology, 2001, 78, 272-274.	1.5	11
36	Cloning and molecular analysis of the aspartic protease Sc-ASP110 gene transcript in Steinernema carpocapsae. Parasitology, 2013, 140, 1158-1167.	0.7	3

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37	A new isolate of the microsporidium Vairimorpha necatrix (Microsporidia, Burenellidae) recorded in the azores. Journal of Invertebrate Pathology, 2004, 85, 58-60.	1.5	2