

Manuel Vilanova

List of Publications by Year in descending order

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109
papers

4,010
citations

172207

29
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138251

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112
all docs

112
docs citations

112
times ranked

6283
citing authors

#	ARTICLE	IF	CITATIONS
1	Isolation and identification of an arabinogalactan extracted from pistachio external hull: Assessment of immunostimulatory activity. <i>Food Chemistry</i> , 2022, 373, 131416.	4.2	11
2	Involvement of the Iron-Regulated Loci <i>ihfA</i> and <i>fhuC</i> in Biofilm Formation and Survival of <i>Staphylococcus epidermidis</i> within the Host. <i>Microbiology Spectrum</i> , 2022, 10, e0216821.	1.2	7
3	Protective Effect against Neosporosis Induced by Intranasal Immunization with <i>Neospora caninum</i> Membrane Antigens Plus Carbomer-Based Adjuvant. <i>Vaccines</i> , 2022, 10, 925.	2.1	1
4	Dectin-1-Mediated Production of Pro-Inflammatory Cytokines Induced by Yeast β -Glucans in Bovine Monocytes. <i>Frontiers in Immunology</i> , 2021, 12, 689879.	2.2	10
5	The Emerging Role of Iron Acquisition in Biofilm-Associated Infections. <i>Trends in Microbiology</i> , 2021, 29, 772-775.	3.5	18
6	Impact of growth medium salinity on galactoxylan exopolysaccharides of <i>Porphyridium purpureum</i> . <i>Algal Research</i> , 2021, 59, 102439.	2.4	12
7	Fighting <i>Staphylococcus epidermidis</i> Biofilm-Associated Infections: Can Iron Be the Key to Success?. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 798563.	1.8	9
8	<i>mazEF</i> Homologue Has a Minor Role in <i>Staphylococcus epidermidis</i> 1457 Virulence Potential. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 803134.	1.8	0
9	Siderophore-Mediated Iron Acquisition Plays a Critical Role in Biofilm Formation and Survival of <i>Staphylococcus epidermidis</i> Within the Host. <i>Frontiers in Medicine</i> , 2021, 8, 799227.	1.2	5
10	Reserve, structural and extracellular polysaccharides of <i>Chlorella vulgaris</i> : A holistic approach. <i>Algal Research</i> , 2020, 45, 101757.	2.4	30
11	Modulation of Leptin and Leptin Receptor Expression in Mice Acutely Infected with <i>Neospora caninum</i> . <i>Pathogens</i> , 2020, 9, 587.	1.2	1
12	Glycans as Immune Checkpoints: Removal of Branched N-glycans Enhances Immune Recognition Preventing Cancer Progression. <i>Cancer Immunology Research</i> , 2020, 8, 1407-1425.	1.6	33
13	Effect of Zinc Source and Exogenous Enzymes Supplementation on Zinc Status in Dogs Fed High Phytate Diets. <i>Animals</i> , 2020, 10, 400.	1.0	7
14	Characterization of Myeloid Cellular Populations in Mesenteric and Subcutaneous Adipose Tissue of Holstein-Friesian Cows. <i>Scientific Reports</i> , 2020, 10, 1771.	1.6	8
15	A live auxotrophic vaccine confers mucosal immunity and protection against lethal pneumonia caused by <i>Pseudomonas aeruginosa</i> . <i>PLoS Pathogens</i> , 2020, 16, e1008311.	2.1	15
16	Understanding the Lipid and Protein Corona Formation on Different Sized Polymeric Nanoparticles. <i>Scientific Reports</i> , 2020, 10, 1129.	1.6	129
17	Vaccines in Congenital Toxoplasmosis: Advances and Perspectives. <i>Frontiers in Immunology</i> , 2020, 11, 621997.	2.2	7
18	Inflammatory Cell Recruitment in <i>Candida glabrata</i> Biofilm Cell-Infected Mice Receiving Antifungal Chemotherapy. <i>Journal of Clinical Medicine</i> , 2019, 8, 142.	1.0	10

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19	Structural analysis and potential immunostimulatory activity of Nannochloropsis oculata polysaccharides. Carbohydrate Polymers, 2019, 222, 114962.	5.1	51
20	Inhalation of Bacterial Cellulose Nanofibrils Triggers an Inflammatory Response and Changes Lung Tissue Morphology of Mice. Toxicological Research, 2019, 35, 45-63.	1.1	19
21	T cells in mesenteric and subcutaneous adipose tissue of Holstein-Friesian cows. Scientific Reports, 2019, 9, 3413.	1.6	6
22	Salt pan brine water as a sustainable source of sulphated polysaccharides with immunostimulatory activity. International Journal of Biological Macromolecules, 2019, 133, 235-242.	3.6	5
23	Comparative analysis between biofilm formation and gene expression in <i>Staphylococcus epidermidis</i> isolates. Future Microbiology, 2018, 13, 415-427.	1.0	23
24	Association between LEPR, FTO, MC4R, and PPARG-2 polymorphisms with obesity traits and metabolic phenotypes in school-aged children. Endocrine, 2018, 60, 466-478.	1.1	39
25	Tetracycline and rifampicin induced a viable but nonculturable state in <i>Staphylococcus epidermidis</i> biofilms. Future Microbiology, 2018, 13, 27-36.	1.0	18
26	Metabolic control of T cell immune response through glycans in inflammatory bowel disease. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E4651-E4660.	3.3	77
27	Structural polymeric features that contribute to in vitro immunostimulatory activity of instant coffee. Food Chemistry, 2018, 242, 548-554.	4.2	14
28	Study of New Therapeutic Strategies to Combat Breast Cancer Using Drug Combinations. Biomolecules, 2018, 8, 175.	1.8	31
29	Nanoparticle effect on neutrophil produced myeloperoxidase. PLoS ONE, 2018, 13, e0191445.	1.1	11
30	Interferon- β -dependent protection against Neospora caninum infection conferred by mucosal immunization in IL-12/IL-23 p40-deficient mice. Vaccine, 2018, 36, 4890-4896.	1.7	4
31	Anthropometric features as predictors of atherogenic dyslipidemia and cardiovascular risk in a large population of school-aged children. PLoS ONE, 2018, 13, e0197922.	1.1	19
32	HPV-transgenic mouse models: Tools for studying the cancer-associated immune response. Virus Research, 2017, 235, 49-57.	1.1	20
33	Identification of distinct haemocyte populations from the freshwater bivalves swan mussel (<i>Anodonta cygnea</i>) and duck mussel (<i>Anodonta anatina</i>) using wheat-germ agglutinin. Canadian Journal of Zoology, 2017, 95, 937-947.	0.4	6
34	Assessing in vivo digestibility and effects on immune system of sheep fed alfalfa hay supplemented with a fixed amount of <i>Ulva rigida</i> and <i>Gracilaria vermiculophylla</i> . Journal of Applied Phycology, 2017, 29, 1057-1067.	1.5	10
35	Abstract 4047: NF- κ B inhibitor DMAPT enhances cisplatin efficacy and reduces its toxicity in a carcinogen-induced model of muscle-invasive bladder cancer. , 2017, , .		0
36	Transcriptomic Analysis of <i>Staphylococcus epidermidis</i> Biofilm-Released Cells upon Interaction with Human Blood Circulating Immune Cells and Soluble Factors. Frontiers in Microbiology, 2016, 7, 1143.	1.5	7

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37	Staphylococcus epidermidis Biofilm-Released Cells Induce a Prompt and More Marked In vivo Inflammatory-Type Response than Planktonic or Biofilm Cells. <i>Frontiers in Microbiology</i> , 2016, 7, 1530.	1.5	16
38	Anthropometric predictors of body fat in a large population of 9-year-old school-aged children. <i>Obesity Science and Practice</i> , 2016, 2, 272-281.	1.0	20
39	Protective effect of antigen delivery using monoolein-based liposomes in experimental hematogenously disseminated candidiasis. <i>Acta Biomaterialia</i> , 2016, 39, 133-145.	4.1	24
40	Potential of mannan or dextrin nanogels as vaccine carrier/adjuvant systems. <i>Journal of Bioactive and Compatible Polymers</i> , 2016, 31, 453-466.	0.8	4
41	Poly- <i>N</i> -Acetylglucosamine Production by Staphylococcus epidermidis Cells Increases Their <i>In Vivo</i> Proinflammatory Effect. <i>Infection and Immunity</i> , 2016, 84, 2933-2943.	1.0	9
42	Ptaquiloside from bracken (<i>Pteridium</i> spp.) inhibits tumour-infiltrating CD8+ T cells in HPV-16 transgenic mice. <i>Food and Chemical Toxicology</i> , 2016, 97, 277-285.	1.8	19
43	Mucosal immunization confers long-term protection against intragastrically established <i>Neospora caninum</i> infection. <i>Vaccine</i> , 2016, 34, 6250-6258.	1.7	10
44	Celecoxib promotes degranulation of CD8+ T cells in HPV-induced lesions of K14-HPV16 transgenic mice. <i>Life Sciences</i> , 2016, 157, 67-73.	2.0	20
45	Characterization of an in vitro fed-batch model to obtain cells released from <i>S. epidermidis</i> biofilms. <i>AMB Express</i> , 2016, 6, 23.	1.4	27
46	Enrichment of IFN- γ producing cells in different murine adipose tissue depots upon infection with an apicomplexan parasite. <i>Scientific Reports</i> , 2016, 6, 23475.	1.6	15
47	O-glycan sialylation alters galectin-3 subcellular localization and decreases chemotherapy sensitivity in gastric cancer. <i>Oncotarget</i> , 2016, 7, 83570-83587.	0.8	38
48	Predominant role of interferon- γ in the host protective effect of CD8+ T cells against <i>Neospora caninum</i> infection. <i>Scientific Reports</i> , 2015, 5, 14913.	1.6	18
49	Deficits in Endogenous Adenosine Formation by Ecto-5'-Nucleotidase/CD73 Impair Neuromuscular Transmission and Immune Competence in Experimental Autoimmune Myasthenia Gravis. <i>Mediators of Inflammation</i> , 2015, 2015, 1-16.	1.4	20
50	DODAB:monoolein liposomes containing <i>Candida albicans</i> cell wall surface proteins: A novel adjuvant and delivery system. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2015, 89, 190-200.	2.0	25
51	Proteomic profile of dormancy within <i>Staphylococcus epidermidis</i> biofilms using iTRAQ and label-free strategies. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 2751-2762.	1.7	20
52	Proteome signatures—how are they obtained and what do they teach us?. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 7417-7431.	1.7	15
53	Structure–function relationships of immunostimulatory polysaccharides: A review. <i>Carbohydrate Polymers</i> , 2015, 132, 378-396.	5.1	716
54	siRNA Inhibition of Endocytic Pathways to Characterize the Cellular Uptake Mechanisms of Folate-Functionalized Glycol Chitosan Nanogels. <i>Molecular Pharmaceutics</i> , 2015, 12, 1970-1979.	2.3	14

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55	An immunoproteomic approach for characterization of dormancy within <i>Staphylococcus epidermidis</i> biofilms. <i>Molecular Immunology</i> , 2015, 65, 429-435.	1.0	19
56	Immunoreactive pattern of <i>Staphylococcus epidermidis</i> biofilm against human whole saliva. <i>Electrophoresis</i> , 2015, 36, 1228-1233.	1.3	3
57	Immune response in the adipose tissue of lean mice infected with the protozoan parasite <i>Neospora caninum</i> . <i>Immunology</i> , 2015, 145, 242-257.	2.0	17
58	Biocompatibility of a self-assembled glycol chitosan nanogel. <i>Toxicology in Vitro</i> , 2015, 29, 638-646.	1.1	47
59	Comparative proteomic and transcriptomic profile of <i>Staphylococcus epidermidis</i> biofilms grown in glucose-enriched medium. <i>Talanta</i> , 2015, 132, 705-712.	2.9	14
60	Dormancy within <i>Staphylococcus epidermidis</i> biofilms: a transcriptomic analysis by RNA-seq. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 2585-2596.	1.7	25
61	Influence of molecular weight on in vitro immunostimulatory properties of instant coffee. <i>Food Chemistry</i> , 2014, 161, 60-66.	4.2	24
62	Alterations in the <i>Staphylococcus epidermidis</i> biofilm transcriptome following interaction with whole human blood. <i>Pathogens and Disease</i> , 2014, 70, 444-448.	0.8	23
63	Dysregulation of T cell receptor N-glycosylation: a molecular mechanism involved in ulcerative colitis. <i>Human Molecular Genetics</i> , 2014, 23, 2416-2427.	1.4	55
64	Dormant bacteria within <i>Staphylococcus epidermidis</i> biofilms have low inflammatory properties and maintain tolerance to vancomycin and penicillin after entering planktonic growth. <i>Journal of Medical Microbiology</i> , 2014, 63, 1274-1283.	0.7	24
65	Protective effect of intranasal immunization with <i>Neospora caninum</i> membrane antigens against murine neosporosis established through the gastrointestinal tract. <i>Immunology</i> , 2014, 141, 256-267.	2.0	15
66	Optimization of an automatic counting system for the quantification of <i>Staphylococcus epidermidis</i> cells in biofilms. <i>Journal of Basic Microbiology</i> , 2014, 54, 750-757.	1.8	46
67	Polymeric nanogels as vaccine delivery systems. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2013, 9, 159-173.	1.7	104
68	Mucosal and systemic T cell response in mice intragastrically infected with <i>Neospora caninum</i> tachyzoites. <i>Veterinary Research</i> , 2013, 44, 69.	1.1	17
69	Monoclonal Antibody Raised against PNAG Has Variable Effects on Static <i>S. epidermidis</i> Biofilm Accumulation In Vitro. <i>International Journal of Biological Sciences</i> , 2013, 9, 518-520.	2.6	19
70	Self-Assembled Mannan Nanogel: Cytocompatibility and Cell Localization. <i>Journal of Biomedical Nanotechnology</i> , 2012, 8, 473-481.	0.5	5
71	Bacterial Cellulose: Long-Term Biocompatibility Studies. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2012, 23, 1339-1354.	1.9	113
72	Unraveling the Uptake Mechanisms of Mannan Nanogel in Bone Marrow-Derived Macrophages. <i>Macromolecular Bioscience</i> , 2012, 12, 1172-1180.	2.1	4

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73	Ptaquiloside-induced, B-cell lymphoproliferative and early-stage urothelial lesions in mice. <i>Toxicol</i> , 2011, 58, 543-549.	0.8	19
74	<i>Staphylococcus epidermidis</i> biofilms with higher proportions of dormant bacteria induce a lower activation of murine macrophages. <i>Journal of Medical Microbiology</i> , 2011, 60, 1717-1724.	0.7	55
75	New trends in immunotherapy. <i>Inmunologia (Barcelona, Spain: 1987)</i> , 2011, 30, 128-134.	0.1	0
76	Wound healing activity of the human antimicrobial peptide LL37. <i>Peptides</i> , 2011, 32, 1469-1476.	1.2	203
77	SYBR green as a fluorescent probe to evaluate the biofilm physiological state of <i>Staphylococcus epidermidis</i> , using flow cytometry. <i>Canadian Journal of Microbiology</i> , 2011, 57, 850-856.	0.8	49
78	Modulation of polyacetylglycosamine accumulation within mature <i>Staphylococcus epidermidis</i> biofilms grown in excess glucose. <i>Microbiology and Immunology</i> , 2011, 55, 673-682.	0.7	9
79	Self-assembled dextrin nanogel as protein carrier: Controlled release and biological activity of IL-10. <i>Biotechnology and Bioengineering</i> , 2011, 108, 1977-1986.	1.7	22
80	Inhibition of IL-10 Production by Maternal Antibodies against Group B Streptococcus GAPDH Confers Immunity to Offspring by Favoring Neutrophil Recruitment. <i>PLoS Pathogens</i> , 2011, 7, e1002363.	2.1	40
81	Farnesol, a Fungal Quorum-Sensing Molecule Triggers <i>Candida Albicans</i> Morphological Changes by Downregulating the Expression of Different Secreted Aspartyl Proteinase Genes. <i>Open Microbiology Journal</i> , 2011, 5, 119-126.	0.2	36
82	Biological activity of heterologous murine interleukin-10 and preliminary studies on the use of a dextrin nanogel as a delivery system. <i>International Journal of Pharmaceutics</i> , 2010, 400, 234-242.	2.6	29
83	Plasmacytoid and conventional dendritic cells are early producers of IL-12 in <i>Neospora caninum</i> -infected mice. <i>Immunology and Cell Biology</i> , 2010, 88, 79-86.	1.0	24
84	Limited Role of Secreted Aspartyl Proteinases Sap1 to Sap6 in <i>Candida albicans</i> Virulence and Host Immune Response in Murine Hematogenously Disseminated Candidiasis. <i>Infection and Immunity</i> , 2010, 78, 4839-4849.	1.0	69
85	<i>In Vivo</i> Biocompatibility and Biodegradability of Dextrin-based Hydrogels. <i>Journal of Bioactive and Compatible Polymers</i> , 2010, 25, 141-153.	0.8	23
86	Coordinated expression of galectin-3 and galectin-3-binding sites in malignant mammary tumors: implications for tumor metastasis. <i>Glycobiology</i> , 2010, 20, 1341-1352.	1.3	30
87	Immunostimulatory properties of coffee mannans. <i>Molecular Nutrition and Food Research</i> , 2009, 53, 1036-1043.	1.5	67
88	Quantification of the CBD-FITC conjugates surface coating on cellulose fibres. <i>BMC Biotechnology</i> , 2008, 8, 1.	1.7	90
89	Host defense mechanisms in invasive candidiasis originating in the GI tract. <i>Expert Review of Anti-Infective Therapy</i> , 2008, 6, 441-445.	2.0	6
90	Use of GRA6-Derived Synthetic Polymorphic Peptides in an Immunoenzymatic Assay To Serotype <i>Toxoplasma gondii</i> in Human Serum Samples Collected from Three Continents. <i>Vaccine Journal</i> , 2008, 15, 1380-1386.	3.2	48

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91	<i>Streptococcus agalactiae</i> GAPDH Is a Virulence-Associated Immunomodulatory Protein. <i>Journal of Immunology</i> , 2007, 178, 1379-1387.	0.4	120
92	Analysis of the immune response to <i>Neospora caninum</i> in a model of intragastric infection in mice. <i>Parasite Immunology</i> , 2007, 29, 23-36.	0.7	18
93	<i>Neospora caninum</i> : High susceptibility to the parasite in C57BL/10ScCr mice. <i>Experimental Parasitology</i> , 2007, 115, 68-75.	0.5	15
94	Characterization of the B-cell immune response elicited in BALB/c mice challenged with <i>Neospora caninum</i> tachyzoites. <i>Immunology</i> , 2005, 116, 38-52.	2.0	31
95	Quantitative analysis of adhesion and biofilm formation on hydrophilic and hydrophobic surfaces of clinical isolates of <i>Staphylococcus epidermidis</i> . <i>Research in Microbiology</i> , 2005, 156, 506-514.	1.0	280
96	Protection against systemic candidiasis in mice immunized with secreted aspartic proteinase 2. <i>Immunology</i> , 2004, 111, 334-342.	2.0	69
97	Influence of batch or fed-batch growth on <i>Staphylococcus epidermidis</i> biofilm formation. <i>Letters in Applied Microbiology</i> , 2004, 39, 420-424.	1.0	37
98	Purification, structure and immunobiological activity of an arabinan-rich pectic polysaccharide from the cell walls of <i>Prunus dulcis</i> seeds. <i>Carbohydrate Research</i> , 2004, 339, 2555-2566.	1.1	58
99	Cytometric, morphologic and enzymatic characterisation of haemocytes in <i>Anodonta cygnea</i> . <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2002, 132, 541-553.	0.8	39
100	The biological effects induced in mice by p36, a proteinaceous factor of virulence produced by African swine fever virus, are mediated by interleukin-4 and also to a lesser extent by interleukin-10. <i>Immunology</i> , 1999, 96, 389-395.	2.0	8
101	Exo- and endo-glucanolytic activity of cellulases purified from <i>Trichoderma reesei</i> . <i>Biotechnology Letters</i> , 1998, 12, 677-681.	0.5	9
102	Purification, and biochemical and biological characterization of an immunosuppressive and lymphocyte mitogenic protein secreted by <i>Streptococcus sobrinus</i> . <i>International Immunology</i> , 1997, 9, 1735-1743.	1.8	18
103	Role of Monocytes in the Up-Regulation of the Early Activation Marker CD69 on B and T Murine Lymphocytes Induced by Microbial Mitogens. <i>Scandinavian Journal of Immunology</i> , 1996, 43, 155-163.	1.3	36
104	Immunoprotection against systemic candidiasis in mice. <i>International Immunology</i> , 1995, 7, 785-796.	1.8	54
105	Flow Cytometric Analysis of Molt-Related Changes in Hemocyte Type in Male and Female <i>Penaeus japonicus</i> . <i>Biological Bulletin</i> , 1995, 189, 376-380.	0.7	43
106	I. Immunostimulatory Effect of Thalidomide in Normal C57BL/6 Mice is Compatible with Stimulation of a Highly Connected Central Immune System. <i>Scandinavian Journal of Immunology</i> , 1994, 40, 535-542.	1.3	11
107	II. The Effects of Thalidomide Treatment on Autoimmune-Prone NZB and MRL Mice are Consistent with Stimulation of the Central Immune System. <i>Scandinavian Journal of Immunology</i> , 1994, 40, 543-548.	1.3	9
108	Activation of Human Neutrophils by Phorbol Ester Decreases the Cytoplasm Compactness and the Lactoferrin Content of the Granulocytes. <i>Journal of Leukocyte Biology</i> , 1991, 50, 444-452.	1.5	20

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109	Role of B and T lymphocytes in the specific immunosuppression induced by a protein released by a protein monocytes infected with African swine fever virus. <i>International Immunology</i> , 1991, 3, 165-174.	1.8	18