

Donatella Pietrella

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

66 papers	2,128 citations	29 h-index	45 g-index
69 ext. papers	2,435 ext. citations	4.7 avg, IF	4.52 L-index

#	Paper	IF	Citations
66	An anti-beta-glucan monoclonal antibody inhibits growth and capsule formation of <i>Cryptococcus neoformans</i> in vitro and exerts therapeutic, anticryptococcal activity in vivo. <i>Infection and Immunity</i> , 2007 , 75, 5085-94	3.7	127
65	Glucuronoxylomannan, a microbial compound, regulates expression of costimulatory molecules and production of cytokines in macrophages. <i>Journal of Infectious Diseases</i> , 2005 , 191, 127-37	7	100
64	A multifunctional, synthetic <i>Gaussia princeps</i> luciferase reporter for live imaging of <i>Candida albicans</i> infections. <i>Infection and Immunity</i> , 2009 , 77, 4847-58	3.7	99
63	Th17 cells and IL-17 in protective immunity to vaginal candidiasis. <i>PLoS ONE</i> , 2011 , 6, e22770	3.7	82
62	Secreted aspartic proteases of <i>Candida albicans</i> activate the NLRP3 inflammasome. <i>European Journal of Immunology</i> , 2013 , 43, 679-92	6.1	79
61	The polysaccharide capsule of <i>Cryptococcus neoformans</i> interferes with human dendritic cell maturation and activation. <i>Journal of Leukocyte Biology</i> , 2003 , 74, 370-8	6.5	79
60	Mannoproteins from <i>Cryptococcus neoformans</i> promote dendritic cell maturation and activation. <i>Infection and Immunity</i> , 2005 , 73, 820-7	3.7	77
59	Probiotic Cell-Free Supernatants Exhibited Anti-Inflammatory and Antioxidant Activity on Human Gut Epithelial Cells and Macrophages Stimulated with LPS. <i>Evidence-based Complementary and Alternative Medicine</i> , 2018 , 2018, 1756308	2.3	71
58	Chitosan films containing mesoporous SBA-15 supported silver nanoparticles for wound dressing. <i>Journal of Materials Chemistry B</i> , 2014 , 2, 6054-6063	7.3	71
57	A beta-glucan-conjugate vaccine and anti-beta-glucan antibodies are effective against murine vaginal candidiasis as assessed by a novel in vivo imaging technique. <i>Vaccine</i> , 2010 , 28, 1717-25	4.1	66
56	Interdependency of interleukin-10 and interleukin-12 in regulation of T-cell differentiation and effector function of monocytes in response to stimulation with <i>Cryptococcus neoformans</i> . <i>Infection and Immunity</i> , 2001 , 69, 6064-73	3.7	61
55	Role of mannoprotein in induction and regulation of immunity to <i>Cryptococcus neoformans</i> . <i>Infection and Immunity</i> , 2001 , 69, 2808-14	3.7	59
54	Montmorillonite-chitosan-chlorhexidine composite films with antibiofilm activity and improved cytotoxicity for wound dressing. <i>Journal of Colloid and Interface Science</i> , 2017 , 491, 265-272	9.3	57
53	<i>Candida albicans</i> mannoprotein influences the biological function of dendritic cells. <i>Cellular Microbiology</i> , 2006 , 8, 602-12	3.9	57
52	Anti- <i>Candida albicans</i> properties of novel benzoxazine analogues. <i>Bioorganic and Medicinal Chemistry</i> , 2002 , 10, 1681-6	3.4	54
51	<i>Cryptococcus neoformans</i> differently regulates B7-1 (CD80) and B7-2 (CD86) expression on human monocytes. <i>European Journal of Immunology</i> , 1998 , 28, 114-21	6.1	51
50	Anti-inflammatory effect of multistrain probiotic formulation (<i>L. rhamnosus</i> , <i>B. lactis</i> , and <i>B. longum</i>). <i>Nutrition</i> , 2018 , 53, 95-102	4.8	48

49	Design, synthesis, and microbiological evaluation of new <i>Candida albicans</i> CYP51 inhibitors. <i>Journal of Medicinal Chemistry</i> , 2005 , 48, 7658-66	8.3	45
48	The Inflammatory response induced by aspartic proteases of <i>Candida albicans</i> is independent of proteolytic activity. <i>Infection and Immunity</i> , 2010 , 78, 4754-62	3.7	44
47	Diphenyl diselenide derivatives inhibit microbial biofilm formation involved in wound infection. <i>BMC Microbiology</i> , 2016 , 16, 220	4.5	42
46	Pharmacophore-Based Repositioning of Approved Drugs as Novel <i>Staphylococcus aureus</i> NorA Efflux Pump Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2017 , 60, 1598-1604	8.3	40
45	Beneficial effect of <i>Mentha suaveolens</i> essential oil in the treatment of vaginal candidiasis assessed by real-time monitoring of infection. <i>BMC Complementary and Alternative Medicine</i> , 2011 , 11, 18	4.7	40
44	Neutrophils from patients with advanced human immunodeficiency virus infection have impaired complement receptor function and preserved Fcγ receptor function. <i>Journal of Infectious Diseases</i> , 1999 , 180, 1542-9	7	38
43	Biocompatible alginate silica supported silver nanoparticles composite films for wound dressing with antibiofilm activity. <i>Materials Science and Engineering C</i> , 2020 , 112, 110863	8.3	36
42	Antibiofilm and Antioxidant Activity of Propolis and Bud Poplar Resins versus. <i>Evidence-based Complementary and Alternative Medicine</i> , 2017 , 2017, 5163575	2.3	34
41	New approaches in the development of a vaccine for mucosal candidiasis: progress and challenges. <i>Frontiers in Microbiology</i> , 2012 , 3, 294	5.7	32
40	Mannoprotein from <i>Cryptococcus neoformans</i> promotes T-helper type 1 anticandidal responses in mice. <i>Infection and Immunity</i> , 2002 , 70, 6621-7	3.7	32
39	Involvement of C3a and C5a in interleukin-8 secretion by human polymorphonuclear cells in response to capsular material of <i>Cryptococcus neoformans</i> . <i>Infection and Immunity</i> , 1998 , 66, 4324-30	3.7	32
38	2-Phenylquinoline <i>S. aureus</i> NorA Efflux Pump Inhibitors: Evaluation of the Importance of Methoxy Group Introduction. <i>Journal of Medicinal Chemistry</i> , 2018 , 61, 7827-7848	8.3	31
37	Interleukin-12 counterbalances the deleterious effect of human immunodeficiency virus type 1 envelope glycoprotein gp120 on the immune response to <i>Cryptococcus neoformans</i> . <i>Journal of Infectious Diseases</i> , 2001 , 183, 51-8	7	28
36	A <i>Candida albicans</i> mannoprotein deprived of its mannan moiety is efficiently taken up and processed by human dendritic cells and induces T-cell activation without stimulating proinflammatory cytokine production. <i>Infection and Immunity</i> , 2008 , 76, 4359-67	3.7	26
35	T lymphocyte and monocyte interaction by CD40/CD40 ligand facilitates a lymphoproliferative response and killing of <i>Cryptococcus neoformans</i> in vitro. <i>European Journal of Immunology</i> , 2000 , 30, 1385-93	6.1	25
34	Macrophage activation by N-acetyl-cysteine in COPD patients. <i>Chest</i> , 1994 , 105, 806-11	5.3	24
33	Disruption of CD40/CD40L interaction influences the course of <i>Cryptococcus neoformans</i> infection. <i>FEMS Immunology and Medical Microbiology</i> , 2004 , 40, 63-70		22
32	Phenotypic switching of <i>Cryptococcus neoformans</i> can influence the outcome of the human immune response. <i>Cellular Microbiology</i> , 2003 , 5, 513-22	3.9	22

31	Cytotoxic T lymphocyte antigen costimulation influences T-cell activation in response to <i>Cryptococcus neoformans</i> . <i>Infection and Immunity</i> , 2001 , 69, 1508-14	3.7	21
30	Inhibition of fungicidal activity of polymorphonuclear leukocytes from HIV-infected patients by interleukin (IL)-4 and IL-10. <i>Aids</i> , 1996 , 10, 477-83	3.5	21
29	Investigation on the effect of known potent <i>S. aureus</i> NorA efflux pump inhibitors on the staphylococcal biofilm formation. <i>RSC Advances</i> , 2017 , 7, 37007-37014	3.7	20
28	Human immunodeficiency virus type 1 envelope protein gp120 impairs intracellular antifungal mechanisms in human monocytes. <i>Journal of Infectious Diseases</i> , 1998 , 177, 347-54	7	20
27	Evaluation of Lumipulse® G SARS-CoV-2 antigen assay automated test for detecting SARS-CoV-2 nucleocapsid protein (NP) in nasopharyngeal swabs for community and population screening. <i>International Journal of Infectious Diseases</i> , 2021 , 105, 391-396	10.5	20
26	Dectin-1 is required for human dendritic cells to initiate immune response to <i>Candida albicans</i> through Syk activation. <i>Microbes and Infection</i> , 2009 , 11, 661-70	9.3	19
25	Carboxymethylcellulose films containing chlorhexidine/zirconium phosphate nanoparticles: antibiofilm activity and cytotoxicity. <i>RSC Advances</i> , 2016 , 6, 46249-46257	3.7	16
24	Antibody to <i>Cryptococcus neoformans</i> capsular glucuronoxylomannan promotes expression of interleukin-12Rbeta2 subunit on human T cells in vitro through effects mediated by antigen-presenting cells. <i>Immunology</i> , 2002 , 106, 267-72	7.8	13
23	Mouse strain-dependent differences in estrogen sensitivity during vaginal candidiasis. <i>Mycopathologia</i> , 2013 , 175, 1-11	2.9	12
22	An early imbalance of interleukin 12 influences the adjuvant effect of mannoproteins of <i>Cryptococcus neoformans</i> . <i>Cellular Microbiology</i> , 2004 , 6, 883-91	3.9	12
21	Normalization of anti-cryptococcal activity and interleukin-12 production after highly active antiretroviral therapy. <i>Aids</i> , 2000 , 14, 2699-708	3.5	12
20	Mechanism of intracellular candidacidal activity mediated by calcium ionophore in human alveolar macrophages. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 1993 , 9, 19-25	5.7	12
19	Synthetic Approaches to Organoselenium Derivatives with Antimicrobial and Anti-Biofilm Activity. <i>Mini-Reviews in Organic Chemistry</i> , 2019 , 16, 589-601	1.7	12
18	A luciferase reporter for gene expression studies and dynamic imaging of superficial <i>Candida albicans</i> infections. <i>Methods in Molecular Biology</i> , 2012 , 845, 537-46	1.4	11
17	<i>Cryptococcus neoformans</i> and <i>Candida albicans</i> regulate CD4 expression on human monocytes. <i>Journal of Infectious Diseases</i> , 1998 , 178, 1464-71	7	11
16	Glutathione S-transferase P influences the Nrf2-dependent response of cellular thiols to seleno-compounds. <i>Cell Biology and Toxicology</i> , 2020 , 36, 379-386	7.4	10
15	HIV type 1 envelope glycoprotein gp120 induces development of a T helper type 2 response to <i>Cryptococcus neoformans</i> . <i>Aids</i> , 1999 , 13, 2197-207	3.5	10
14	Reshaping antibiotics through hydrophobic drug-bile acid ionic complexation enhances activity against <i>Staphylococcus aureus</i> biofilms. <i>International Journal of Pharmaceutics</i> , 2017 , 528, 144-162	6.5	6

13	C-2 phenyl replacements to obtain potent quinoline-based NorA inhibitors. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2020 , 35, 584-597	5.6	6
12	Chlorhexidine-loaded functionalized mesoporous MCM-41 poly(methylmethacrylate) based composites with Candida antibiofilm activity. <i>RSC Advances</i> , 2015 , 5, 84827-84835	3.7	5
11	AgCl-ZnAl Layered Double Hydroxides as Catalysts with Enhanced Photodegradation and Antibacterial Activities. <i>Inorganics</i> , 2019 , 7, 120	2.9	5
10	Phenotypic Characterization of Biofilm Grown and Inhibiting and Dissolving Activity of Azithromycin/Rifampicin Treatment. <i>Pathogens</i> , 2019 , 8,	4.5	4
9	Solid State Photoreduction of Silver on Mesoporous Silica to Enhance Antifungal Activity. <i>Nanomaterials</i> , 2021 , 11,	5.4	4
8	Accelerate Phenoblood culture detection system: a literature review. <i>Future Microbiology</i> , 2020 , 15, 1595-1605	2.9	3
7	Bioinspired Reactive Interfaces Based on Layered Double Hydroxides-Zn Rich Hydroxyapatite with Antibacterial Activity. <i>ACS Biomaterials Science and Engineering</i> , 2021 , 7, 1361-1373	5.5	3
6	Silica, Hyaluronate, and Alveolar Macrophage Functional Differentiation. <i>Journal of Investigative Medicine</i> , 2003 , 51, 95-103	2.9	2
5	Resin-Based Materials with Chlorhexidine-Loaded MCM-41: Surface Characteristics, Drug Release, and Antibiofilm Activity. <i>ACS Biomaterials Science and Engineering</i> , 2018 , 4, 4144-4153	5.5	2
4	Ethidium bromide exposure unmasks an antibiotic efflux system in <i>Rhodococcus equi</i> . <i>Journal of Antimicrobial Chemotherapy</i> , 2021 , 76, 2040-2048	5.1	1
3	<i>Cryptococcus neoformans</i> differently regulates B7-1 (CD80) and B7-2 (CD86) expression on human monocytes 1998 , 28, 114		1
2	T lymphocyte and monocyte interaction by CD40 / CD40 ligand facilitates a lymphoproliferative response and killing of <i>Cryptococcus neoformans</i> in vitro 2000 , 30, 1385		1
1	Silver@Hydroxyapatite functionalized calcium carbonate composites: characterization, antibacterial and antibiofilm activities and cytotoxicity. <i>Applied Surface Science</i> , 2022 , 586, 152760	6.7	1