Donatella Pietrella

List of Publications by Year in Descending Order

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	Silver@Hydroxyapatite functionalized calcium carbonate composites: characterization, antibacterial and antibiofilm activities and cytotoxicity. *Applied Surface Science*, **2022**, 586, 152760	6.7	1
65	Bioinspired Reactive Interfaces Based on Layered Double Hydroxides-Zn Rich Hydroxyapatite with Antibacterial Activity. *ACS Biomaterials Science and Engineering*, **2021**, 7, 1361-1373	5.5	3
64	Ethidium bromide exposure unmasks an antibiotic efflux system in Rhodococcus equi. *Journal of Antimicrobial Chemotherapy*, **2021**, 76, 2040-2048	5.1	1
63	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. *International Journal of Infectious Diseases*, **2021**, 105, 391-396	10.5	20
62	Solid State Photoreduction of Silver on Mesoporous Silica to Enhance Antifungal Activity. *Nanomaterials*, **2021**, 11,	5.4	4
61	Biocompatible alginate silica supported silver nanoparticles composite films for wound dressing with antibiofilm activity. *Materials Science and Engineering C*, **2020**, 112, 110863	8.3	36
60	Glutathione S-transferase P influences the Nrf2-dependent response of cellular thiols to seleno-compounds. *Cell Biology and Toxicology*, **2020**, 36, 379-386	7.4	10
59	C-2 phenyl replacements to obtain potent quinoline-based NorA inhibitors. *Journal of Enzyme Inhibition and Medicinal Chemistry*, **2020**, 35, 584-597	5.6	6
58	Accelerate Phenotblood culture detection system: a literature review. *Future Microbiology*, **2020**, 15, 1595-1605	2.9	3
57	Synthetic Approaches to Organoselenium Derivatives with Antimicrobial and Anti-Biofilm Activity. *Mini-Reviews in Organic Chemistry*, **2019**, 16, 589-601	1.7	12
56	AgCl-ZnAl Layered Double Hydroxides as Catalysts with Enhanced Photodegradation and Antibacterial Activities. *Inorganics*, **2019**, 7, 120	2.9	5
55	Phenotypic Characterization of Biofilm Grown and Inhibiting and Dissolving Activity of Azithromycin/Rifampicin Treatment. *Pathogens*, **2019**, 8,	4.5	4
54	Anti-inflammatory effect of multistrain probiotic formulation (L. rhamnosus, B. lactis, and B. longum). *Nutrition*, **2018**, 53, 95-102	4.8	48
53	Probiotic Cell-Free Supernatants Exhibited Anti-Inflammatory and Antioxidant Activity on Human Gut Epithelial Cells and Macrophages Stimulated with LPS. *Evidence-based Complementary and Alternative Medicine*, **2018**, 2018, 1756308	2.3	71
52	2-Phenylquinoline S. aureus NorA Efflux Pump Inhibitors: Evaluation of the Importance of Methoxy Group Introduction. *Journal of Medicinal Chemistry*, **2018**, 61, 7827-7848	8.3	31
51	Resin-Based Materials with Chlorhexidine-Loaded MCM-41: Surface Characteristics, Drug Release, and Antibiofilm Activity. *ACS Biomaterials Science and Engineering*, **2018**, 4, 4144-4153	5.5	2
50	Pharmacophore-Based Repositioning of Approved Drugs as Novel Staphylococcus aureus NorA Efflux Pump Inhibitors. *Journal of Medicinal Chemistry*, **2017**, 60, 1598-1604	8.3	40

49	Reshaping antibiotics through hydrophobic drug-bile acid ionic complexation enhances activity against Staphylococcus aureus biofilms. *International Journal of Pharmaceutics*, **2017**, 528, 144-162	6.5	6
48	Montmorillonite-chitosan-chlorhexidine composite films with antibiofilm activity and improved cytotoxicity for wound dressing. *Journal of Colloid and Interface Science*, **2017**, 491, 265-272	9.3	57
47	Antibiofilm and Antioxidant Activity of Propolis and Bud Poplar Resins versus. *Evidence-based Complementary and Alternative Medicine*, **2017**, 2017, 5163575	2.3	34
46	Investigation on the effect of known potent S. aureus NorA efflux pump inhibitors on the staphylococcal biofilm formation. *RSC Advances*, **2017**, 7, 37007-37014	3.7	20
45	Diphenyl diselenide derivatives inhibit microbial biofilm formation involved in wound infection. *BMC Microbiology*, **2016**, 16, 220	4.5	42
44	Carboxymethylcellulose films containing chlorhexidine–zirconium phosphate nanoparticles: antibiofilm activity and cytotoxicity. *RSC Advances*, **2016**, 6, 46249-46257	3.7	16
43	Chlorhexidine-loaded functionalized mesoporous MCM-41 poly(methylmethacrylate) based composites with Candida antibiofilm activity. *RSC Advances*, **2015**, 5, 84827-84835	3.7	5
42	Chitosan films containing mesoporous SBA-15 supported silver nanoparticles for wound dressing. *Journal of Materials Chemistry B*, **2014**, 2, 6054-6063	7.3	71
41	Secreted aspartic proteases of Candida albicans activate the NLRP3 inflammasome. *European Journal of Immunology*, **2013**, 43, 679-92	6.1	79
40	Mouse strain-dependent differences in estrogen sensitivity during vaginal candidiasis. *Mycopathologia*, **2013**, 175, 1-11	2.9	12
39	New approaches in the development of a vaccine for mucosal candidiasis: progress and challenges. *Frontiers in Microbiology*, **2012**, 3, 294	5.7	32
38	A luciferase reporter for gene expression studies and dynamic imaging of superficial Candida albicans infections. *Methods in Molecular Biology*, **2012**, 845, 537-46	1.4	11
37	Th17 cells and IL-17 in protective immunity to vaginal candidiasis. *PLoS ONE*, **2011**, 6, e22770	3.7	82
36	Beneficial effect of Mentha suaveolens essential oil in the treatment of vaginal candidiasis assessed by real-time monitoring of infection. *BMC Complementary and Alternative Medicine*, **2011**, 11, 18	4.7	40
35	The Inflammatory response induced by aspartic proteases of Candida albicans is independent of proteolytic activity. *Infection and Immunity*, **2010**, 78, 4754-62	3.7	44
34	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. *Vaccine*, **2010**, 28, 1717-25	4.1	66
33	A multifunctional, synthetic Gaussia princeps luciferase reporter for live imaging of Candida albicans infections. *Infection and Immunity*, **2009**, 77, 4847-58	3.7	99
32	Dectin-1 is required for human dendritic cells to initiate immune response to Candida albicans through Syk activation. *Microbes and Infection*, **2009**, 11, 661-70	9.3	19

31	A Candida albicans 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. *Infection and Immunity*, **2008**, 76, 4359-67	3.7	26
30	An anti-beta-glucan monoclonal antibody inhibits growth and capsule formation of Cryptococcus neoformans in vitro and exerts therapeutic, anticryptococcal activity in vivo. *Infection and Immunity*, **2007**, 75, 5085-94	3.7	127
29	Candida albicans mannoprotein influences the biological function of dendritic cells. *Cellular Microbiology*, **2006**, 8, 602-12	3.9	57
28	Design, synthesis, and microbiological evaluation of new Candida albicans CYP51 inhibitors. *Journal of Medicinal Chemistry*, **2005**, 48, 7658-66	8.3	45
27	Glucuronoxylomannan, a microbial compound, regulates expression of costimulatory molecules and production of cytokines in macrophages. *Journal of Infectious Diseases*, **2005**, 191, 127-37	7	100
26	Mannoproteins from Cryptococcus neoformans promote dendritic cell maturation and activation. *Infection and Immunity*, **2005**, 73, 820-7	3.7	77
25	An early imbalance of interleukin 12 influences the adjuvant effect of mannoproteins of Cryptococcus neoformans. *Cellular Microbiology*, **2004**, 6, 883-91	3.9	12
24	Disruption of CD40/CD40L interaction influences the course of Cryptococcus neoformans infection. *FEMS Immunology and Medical Microbiology*, **2004**, 40, 63-70		22
23	The polysaccharide capsule of Cryptococcus neoformans interferes with human dendritic cell maturation and activation. *Journal of Leukocyte Biology*, **2003**, 74, 370-8	6.5	79
22	Phenotypic switching of Cryptococcus neoformans can influence the outcome of the human immune response. *Cellular Microbiology*, **2003**, 5, 513-22	3.9	22
21	Silica, Hyaluronate, and Alveolar Macrophage Functional Differentiation. *Journal of Investigative Medicine*, **2003**, 51, 95-103	2.9	2
20	Anti-Candida albicans properties of novel benzoxazine analogues. *Bioorganic and Medicinal Chemistry*, **2002**, 10, 1681-6	3.4	54
19	Antibody to Cryptococcus neoformans capsular glucuronoxylomannan promotes expression of interleukin-12Rbeta2 subunit on human T cells in vitro through effects mediated by antigen-presenting cells. *Immunology*, **2002**, 106, 267-72	7.8	13
18	Mannoprotein from Cryptococcus neoformans promotes T-helper type 1 anticandidal responses in mice. *Infection and Immunity*, **2002**, 70, 6621-7	3.7	32
17	Role of mannoprotein in induction and regulation of immunity to Cryptococcus neoformans. *Infection and Immunity*, **2001**, 69, 2808-14	3.7	59
16	Interleukin-12 counterbalances the deleterious effect of human immunodeficiency virus type 1 envelope glycoprotein gp120 on the immune response to Cryptococcus neoformans. *Journal of Infectious Diseases*, **2001**, 183, 51-8	7	28
15	Cytotoxic T lymphocyte antigen costimulation influences T-cell activation in response to Cryptococcus neoformans. *Infection and Immunity*, **2001**, 69, 1508-14	3.7	21
14	Interdependency of interleukin-10 and interleukin-12 in regulation of T-cell differentiation and effector function of monocytes in response to stimulation with Cryptococcus neoformans. *Infection and Immunity*, **2001**, 69, 6064-73	3.7	61

13	Normalization of anti-cryptococcal activity and interleukin-12 production after highly active antiretroviral therapy. *Aids*, **2000**, 14, 2699-708	3.5	12
12	T lymphocyte and monocyte interaction by CD40/CD40 ligand facilitates a lymphoproliferative response and killing of Cryptococcus neoformans in vitro. *European Journal of Immunology*, **2000**, 30, 1385-93	6.1	25
11	T lymphocyte and monocyte interaction by CD40 / CD40 ligand facilitates a lymphoproliferative response and killing of Cryptococcus neoformans in vitro **2000**, 30, 1385		1
10	HIV type 1 envelope glycoprotein gp120 induces development of a T helper type 2 response to Cryptococcus neoformans. *Aids*, **1999**, 13, 2197-207	3.5	10
9	Neutrophils from patients with advanced human immunodeficiency virus infection have impaired complement receptor function and preserved Fcgamma receptor function. *Journal of Infectious Diseases*, **1999**, 180, 1542-9	7	38
8	Cryptococcus neoformans differently regulates B7-1 (CD80) and B7-2 (CD86) expression on human monocytes. *European Journal of Immunology*, **1998**, 28, 114-21	6.1	51
7	Cryptococcus neoformans and Candida albicans regulate CD4 expression on human monocytes. *Journal of Infectious Diseases*, **1998**, 178, 1464-71	7	11
6	Human immunodeficiency virus type 1 envelope protein gp120 impairs intracellular antifungal mechanisms in human monocytes. *Journal of Infectious Diseases*, **1998**, 177, 347-54	7	20
5	Involvement of C3a and C5a in interleukin-8 secretion by human polymorphonuclear cells in response to capsular material of Cryptococcus neoformans. *Infection and Immunity*, **1998**, 66, 4324-30	3.7	32
4	Cryptococcus neoformans differently regulates B7-1 (CD80) and B7-2 (CD86) expression on human monocytes **1998**, 28, 114		1
3	Inhibition of fungicidal activity of polymorphonuclear leukocytes from HIV-infected patients by interleukin (IL)-4 and IL-10. *Aids*, **1996**, 10, 477-83	3.5	21
2	Macrophage activation by N-acetyl-cysteine in COPD patients. *Chest*, **1994**, 105, 806-11	5.3	24
1	Mechanism of intracellular candidacidal activity mediated by calcium ionophore in human alveolar macrophages. *American Journal of Respiratory Cell and Molecular Biology*, **1993**, 9, 19-25	5.7	12