

# Viviane Balloy

## List of Publications by Year in descending order

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62  
papers

5,542  
citations

81839

39  
h-index

123376

61  
g-index

64  
all docs

64  
docs citations

64  
times ranked

7434  
citing authors

#	ARTICLE	IF	CITATIONS
1	Detrimental Contribution of the Toll-Like Receptor (TLR)3 to Influenza A Virus-Induced Acute Pneumonia. <i>PLoS Pathogens</i> , 2006, 2, e53.	2.1	447
2	A critical role for peptidoglycan N-deacetylation in <i>Listeria</i> evasion from the host innate immune system. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 997-1002.	3.3	329
3	Response of Human Pulmonary Epithelial Cells to Lipopolysaccharide Involves Toll-like Receptor 4 (TLR4)-dependent Signaling Pathways. <i>Journal of Biological Chemistry</i> , 2004, 279, 2712-2718.	1.6	320
4	Cutting Edge: The Immunostimulatory Activity of the Lung Surfactant Protein-A Involves Toll-Like Receptor 4. <i>Journal of Immunology</i> , 2002, 168, 5989-5992.	0.4	305
5	Bacteriophages Can Treat and Prevent <i>Pseudomonas aeruginosa</i> Lung Infections. <i>Journal of Infectious Diseases</i> , 2010, 201, 1096-1104.	1.9	265
6	<i>In vivo</i> biofilm composition of <i>Aspergillus fumigatus</i> . <i>Cellular Microbiology</i> , 2010, 12, 405-410.	1.1	229
7	Differences in Patterns of Infection and Inflammation for Corticosteroid Treatment and Chemotherapy in Experimental Invasive Pulmonary Aspergillosis. <i>Infection and Immunity</i> , 2005, 73, 494-503.	1.0	212
8	The innate immune response to <i>Aspergillus fumigatus</i> . <i>Microbes and Infection</i> , 2009, 11, 919-927.	1.0	184
9	Differential TLR Recognition of Leptospiral Lipid A and Lipopolysaccharide in Murine and Human Cells. <i>Journal of Immunology</i> , 2005, 175, 6022-6031.	0.4	181
10	<i>Helicobacter pylori</i> Heat Shock Protein 60 Mediates Interleukin-6 Production by Macrophages via a Toll-like Receptor (TLR)-2-, TLR-4-, and Myeloid Differentiation Factor 88-independent Mechanism. <i>Journal of Biological Chemistry</i> , 2004, 279, 245-250.	1.6	151
11	Lipopolysaccharides from <i>Legionella</i> and <i>Rhizobium</i> stimulate mouse bone marrow granulocytes via Toll-like receptor 2. <i>Journal of Cell Science</i> , 2003, 116, 293-302.	1.2	142
12	<i>Pseudomonas aeruginosa</i> LPS or Flagellin Are Sufficient to Activate TLR-Dependent Signaling in Murine Alveolar Macrophages and Airway Epithelial Cells. <i>PLoS ONE</i> , 2009, 4, e7259.	1.1	140
13	Specific Inhibition of Thrombin-Induced Cell Activation by the Neutrophil Proteinases Elastase, Cathepsin G, and Proteinase 3: Evidence for Distinct Cleavage Sites Within the Aminoterminal Domain of the Thrombin Receptor. <i>Blood</i> , 1997, 89, 1944-1953.	0.6	112
14	Deletion of the $\beta$ -(1,3)-Glucan Synthase Genes Induces a Restructuring of the Conidial Cell Wall Responsible for the Avirulence of <i>Aspergillus fumigatus</i> . <i>PLoS Pathogens</i> , 2013, 9, e1003716.	2.1	110
15	Proteolysis of monocyte CD14 by human leukocyte elastase inhibits lipopolysaccharide-mediated cell activation. <i>Journal of Clinical Investigation</i> , 1999, 103, 1039-1046.	3.9	109
16	Toll-like receptor 5 (TLR5), IL-1 $\beta$ secretion, and asparagine endopeptidase are critical factors for alveolar macrophage phagocytosis and bacterial killing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 1619-1624.	3.3	108
17	Control of <i>Pseudomonas aeruginosa</i> in the Lung Requires the Recognition of Either Lipopolysaccharide or Flagellin. <i>Journal of Immunology</i> , 2008, 181, 586-592.	0.4	106
18	Involvement of Toll-Like Receptor 2 in Experimental Invasive Pulmonary Aspergillosis. <i>Infection and Immunity</i> , 2005, 73, 5420-5425.	1.0	103

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19	Modifying the Protease, Antiprotease Pattern by Elafin Overexpression Protects Mice From Colitis. <i>Gastroenterology</i> , 2011, 140, 1272-1282.	0.6	102
20	<i>Aspergillus fumigatus</i> Induces Innate Immune Responses in Alveolar Macrophages through the MAPK Pathway Independently of TLR2 and TLR4. <i>Journal of Immunology</i> , 2006, 177, 3994-4001.	0.4	99
21	TLRs 2 and 4 Are Not Involved in Hypersusceptibility to Acute <i>Pseudomonas aeruginosa</i> Lung Infections. <i>Journal of Immunology</i> , 2005, 175, 3927-3934.	0.4	95
22	<i>Aspergillus fumigatus</i> -induced Interleukin-8 Synthesis by Respiratory Epithelial Cells Is Controlled by the Phosphatidylinositol 3-Kinase, p38 MAPK, and ERK1/2 Pathways and Not by the Toll-like Receptor-MyD88 Pathway. <i>Journal of Biological Chemistry</i> , 2008, 283, 30513-30521.	1.6	90
23	<i>Pseudomonas aeruginosa</i> Type-3 Secretion System Dampens Host Defense by Exploiting the NLRC4-coupled Inflammasome. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2014, 189, 799-811.	2.5	90
24	Galactofuranose attenuates cellular adhesion of <i>Aspergillus fumigatus</i> . <i>Cellular Microbiology</i> , 2009, 11, 1612-1623.	1.1	87
25	Type II Secretion System of <i>Pseudomonas aeruginosa</i> : In Vivo Evidence of a Significant Role in Death Due to Lung Infection. <i>Journal of Infectious Diseases</i> , 2011, 203, 1369-1377.	1.9	87
26	A Soluble Fucose-Specific Lectin from <i>Aspergillus fumigatus</i> Conidia - Structure, Specificity and Possible Role in Fungal Pathogenicity. <i>PLoS ONE</i> , 2013, 8, e83077.	1.1	87
27	<i>Mycobacterium bovis</i> Bacillus Calmette-Guérin Vaccination Mobilizes Innate Myeloid-Derived Suppressor Cells Restraining In Vivo T Cell Priming via IL-1R-Dependent Nitric Oxide Production. <i>Journal of Immunology</i> , 2010, 184, 2038-2047.	0.4	77
28	Contribution of Phagocytosis and Intracellular Sensing for Cytokine Production by <i>Staphylococcus aureus</i> -Activated Macrophages. <i>Infection and Immunity</i> , 2007, 75, 830-837.	1.0	75
29	Nod1 and Nod2 induce CCL5/RANTES through the NF- $\kappa$ B pathway. <i>European Journal of Immunology</i> , 2007, 37, 2499-2508.	1.6	75
30	The Role of Flagellin versus Motility in Acute Lung Disease Caused by <i>Pseudomonas aeruginosa</i> . <i>Journal of Infectious Diseases</i> , 2007, 196, 289-296.	1.9	71
31	Human Neutrophil Elastase Proteolytically Activates the Platelet Integrin $\alpha$ IIb $\beta$ 3 through Cleavage of the Carboxyl Terminus of the $\beta$ 3 Subunit Heavy Chain. <i>Journal of Biological Chemistry</i> , 1997, 272, 11636-11647.	1.6	70
32	Contribution of the Ade Resistance-Nodulation-Cell Division-Type Efflux Pumps to Fitness and Pathogenesis of <i>Acinetobacter baumannii</i> . <i>MBio</i> , 2016, 7, .	1.8	69
33	<i>Burkholderia cenocepacia</i> BC2L-C Is a Super Lectin with Dual Specificity and Proinflammatory Activity. <i>PLoS Pathogens</i> , 2011, 7, e1002238.	2.1	61
34	Inhibitory Effects of Surfactant Protein A on Surfactant Phospholipid Hydrolysis by Secreted Phospholipases A2. <i>Journal of Immunology</i> , 2003, 171, 995-1000.	0.4	51
35	Lack of IL-10 synthesis by murine alveolar macrophages upon lipopolysaccharide exposure. Comparison with peritoneal macrophages. <i>Journal of Leukocyte Biology</i> , 2000, 67, 545-552.	1.5	49
36	Toll-Like Receptors 2 and 4 Contribute to Sepsis-Induced Depletion of Spleen Dendritic Cells. <i>Infection and Immunity</i> , 2009, 77, 5651-5658.	1.0	48

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37	Anthrax Lethal Toxin Impairs IL-8 Expression in Epithelial Cells through Inhibition of Histone H3 Modification. <i>PLoS Pathogens</i> , 2009, 5, e1000359.	2.1	48
38	Role of Toll-like receptors in lung innate defense against invasive aspergillosis. Distinct impact in immunocompetent and immunocompromized hosts. <i>Clinical Immunology</i> , 2007, 124, 238-243.	1.4	47
39	Combined Tlr2 and Tlr4 Deficiency Increases Radiation-Induced Pulmonary Fibrosis in Mice. <i>International Journal of Radiation Oncology Biology Physics</i> , 2010, 77, 1198-1205.	0.4	47
40	Murine splenocytes produce inflammatory cytokines in a MyD88-dependent response to <i>Bacillus anthracis</i> spores. <i>Cellular Microbiology</i> , 2007, 9, 502-513.	1.1	39
41	Toll-Like Receptor 2 Deficiency Increases Resistance to <i>Pseudomonas aeruginosa</i> Pneumonia in the Setting of Sepsis-Induced Immune Dysfunction. <i>Journal of Infectious Diseases</i> , 2012, 206, 932-942.	1.9	36
42	Human Bronchial Epithelial Cells Inhibit <i>Aspergillus fumigatus</i> Germination of Extracellular Conidia via FleA Recognition. <i>Scientific Reports</i> , 2018, 8, 15699.	1.6	35
43	Bronchial Epithelial Cells from Cystic Fibrosis Patients Express a Specific Long Non-coding RNA Signature upon <i>Pseudomonas aeruginosa</i> Infection. <i>Frontiers in Cellular and Infection Microbiology</i> , 2017, 7, 218.	1.8	31
44	A Crucial Role of Flagellin in the Induction of Airway Mucus Production by <i>Pseudomonas aeruginosa</i> . <i>PLoS ONE</i> , 2012, 7, e39888.	1.1	29
45	Protective Role of LGP2 in Influenza Virus Pathogenesis. <i>Journal of Infectious Diseases</i> , 2014, 210, 214-223.	1.9	29
46	Inhibition by recombinant SLPI and half- $\alpha$ -SLPI (Asn <sup>55</sup> - $\alpha$ -Ala <sup>107</sup> ) of elastase and cathepsin G activities: consequence for neutrophil-platelet cooperation. <i>British Journal of Pharmacology</i> , 1993, 108, 1100-1106.	2.7	28
47	Flagellin/TLR5 signalling activates renal collecting duct cells and facilitates invasion and cellular translocation of uropathogenic <i>Escherichia coli</i> . <i>Cellular Microbiology</i> , 2014, 16, 1503-1517.	1.1	27
48	CHAC1 Is Differentially Expressed in Normal and Cystic Fibrosis Bronchial Epithelial Cells and Regulates the Inflammatory Response Induced by <i>Pseudomonas aeruginosa</i> . <i>Frontiers in Immunology</i> , 2018, 9, 2823.	2.2	25
49	Interference of anti-inflammatory and anti-asthmatic drugs with neutrophil-mediated platelet activation: singularity of azelastine. <i>British Journal of Pharmacology</i> , 1991, 103, 1435-1440.	2.7	22
50	Surfactant Protein A Suppresses Lipopolysaccharide-Induced IL-10 Production by Murine Macrophages. <i>Journal of Immunology</i> , 2001, 166, 6376-6382.	0.4	22
51	TLR 5, but neither TLR2 nor TLR4, is involved in lung epithelial cell response to <i>Burkholderia cenocepacia</i> . <i>FEMS Immunology and Medical Microbiology</i> , 2008, 54, 37-44.	2.7	22
52	Lack of MyD88 Protects the Immunodeficient Host Against Fatal Lung Inflammation Triggered by the Opportunistic Bacteria <i>Burkholderia cenocepacia</i> . <i>Journal of Immunology</i> , 2009, 183, 670-676.	0.4	22
53	Normal and Cystic Fibrosis Human Bronchial Epithelial Cells Infected with <i>Pseudomonas aeruginosa</i> Exhibit Distinct Gene Activation Patterns. <i>PLoS ONE</i> , 2015, 10, e0140979.	1.1	22
54	Bronchial Epithelial Cells on the Front Line to Fight Lung Infection-Causing <i>Aspergillus fumigatus</i> . <i>Frontiers in Immunology</i> , 2020, 11, 1041.	2.2	19

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55	Phosphoinositide 3-kinase inhibition reverses platelet aggregation triggered by the combination of the neutrophil proteinases elastase and cathepsin G without impairing $\alpha$ IIb $\beta$ 3 integrin activation. <i>FEBS Letters</i> , 2000, 484, 184-188.	1.3	14
56	Neutrophil DNA Contributes to the Antielastase Barrier during Acute Lung Inflammation. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2003, 28, 746-753.	1.4	14
57	Flagellin concentrations in expectorations from cystic fibrosis patients. <i>BMC Pulmonary Medicine</i> , 2014, 14, 100.	0.8	9
58	Flagellin From <i>Pseudomonas aeruginosa</i> Modulates SARS-CoV-2 Infectivity in Cystic Fibrosis Airway Epithelial Cells by Increasing TMPRSS2 Expression. <i>Frontiers in Immunology</i> , 2021, 12, 714027.	2.2	9
59	Biochemical and structural studies of target lectin SapL1 from the emerging opportunistic microfungus <i>Scedosporium apiospermum</i> . <i>Scientific Reports</i> , 2021, 11, 16109.	1.6	4
60	Hexavalent thiofucosides to probe the role of the <i>Aspergillus fumigatus</i> lectin FleA in fungal pathogenicity. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 3234-3240.	1.5	3
61	Inhibition by human leukocyte elastase of neutrophil-mediated platelet activation. <i>European Journal of Pharmacology - Environmental Toxicology and Pharmacology Section</i> , 1993, 248, 151-155.	0.8	1
62	A Role Of Host Cytosolic Phospholipase A2 In Acute Lung Infection By <i>Pseudomonas Aeruginosa</i> . , 2011, , .		0