Peter Sebo

List of Publications by Year
in descending order

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159 papers	5,636 citations	71061 41 h-index	102432 66 g-index
167 all docs	167 docs citations	167 times ranked	4034 citing authors

#	Article	IF	Citations
1	RTX proteins: a highly diverse family secreted by a common mechanism. FEMS Microbiology Reviews, 2010, 34, 1076-1112.	3.9	420
2	Inflammasome Activation by Adenylate Cyclase Toxin Directs Th17 Responses and Protection against Bordetella pertussis. Journal of Immunology, 2010, 185, 1711-1719.	0.4	158
3	Bordetella adenylate cyclase toxin: a swift saboteur of host defense. Current Opinion in Microbiology, 2006, 9, 69-75.	2.3	152
4	Interaction of Calcium with Bordetella pertussis Adenylate Cyclase Toxin. Journal of Biological Chemistry, 1995, 270, 26370-26376.	1.6	151
5	Integrin Subunit CD18 Is the T-Lymphocyte Receptor for the Helicobacter pylori Vacuolating Cytotoxin. Cell Host and Microbe, 2008, 3, 20-29.	5.1	112
6	Interaction of Bordetella pertussis Adenylate Cyclase with CD11b/CD18. Journal of Biological Chemistry, 2003, 278, 38514-38521.	1.6	111
7	Calcium-Driven Folding of RTX Domain Î²-Rolls Ratchets Translocation of RTX Proteins through Type I Secretion Ducts. Molecular Cell, 2016, 62, 47-62.	4.5	110
8	CyaC-mediated activation is important not only for toxic but also for protective activities of Bordetella pertussis adenylate cyclase-hemolysin. Infection and Immunity, 1993, 61, 3583-3589.	1.0	102
9	Anti-viral protection conferred by recombinant adenylate cyclase toxins from Bordetella pertussis carrying a CD8+ T cell epitope from lymphocytic choriomeningitis virus. Proceedings of the National Academy of Sciences of the United States of America, 1997, 94, 3314-3319.	3.3	99
10	High-level synthesis of active adenylate cyclase toxin of Bordetella pertussis in a reconstructed Escherichia coli system. Gene, 1991, 104, 19-24.	1.0	96
11	Delivery of CD8⁺T-Cell Epitopes into Major Histocompatibility Complex Class I Antigen Presentation Pathway byBordetella pertussisAdenylate Cyclase: Delineation of Cell Invasive Structures and Permissive Insertion Sites. Infection and Immunity, 2000, 68, 247-256.	1.0	95
12	An Increase in Antimycobacterial Th1-Cell Responses by Prime-Boost Protocols of Immunization Does Not Enhance Protection against Tuberculosis. Infection and Immunity, 2006, 74, 2128-2137.	1.0	93
13	Adenylate Cyclase Toxin Subverts Phagocyte Function by RhoA Inhibition and Unproductive Ruffling. Journal of Immunology, 2008, 181, 5587-5597.	0.4	92
14	RTX cytotoxins recognize Î² ₂ integrin receptors through N-linked oligosaccharides. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 5355-5360.	3.3	90
15	Hemolytic, but Not Cell-invasive Activity, of Adenylate Cyclase Toxin Is Selectively Affected by Differential Fatty-acylation in Escherichia coli. Journal of Biological Chemistry, 1995, 270, 20250-20253.	1.6	86
16	High Frequency of CD4+ T Cells Specific for the TB10.4 Protein Correlates with Protection against Mycobacterium tuberculosis Infection. Infection and Immunity, 2006, 74, 3396-3407.	1.0	86
17	Bordetella Adenylate Cyclase Toxin Mobilizes Its Î²2 Integrin Receptor into Lipid Rafts to Accomplish Translocation across Target Cell Membrane in Two Steps. PLoS Pathogens, 2010, 6, e1000901.	2.1	86
18	Repeat sequences in the Bordetella pertussis adenylate cyclase toxin can be recognized as alternative carboxy-proximal secretion signals by the Escherichia coli ?-haemolysin translocator. Molecular Microbiology, 1993, 9, 999-1009.	1.2	83

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19	An Amphipathic Î±-Helix Including Glutamates 509 and 516 Is Crucial for Membrane Translocation of Adenylate Cyclase Toxin and Modulates Formation and Cation Selectivity of Its Membrane Channels. Journal of Biological Chemistry, 1999, 274, 37644-37650.	1.6	78
20	Identification by in vitro complementation of regions required for cell-invasive activity of Bordetella pertussis adenylate cyclase toxin. Molecular Microbiology, 1995, 17, 1015-1024.	1.2	72
21	Pore-Forming and Enzymatic Activities of Bordetella pertussis Adenylate Cyclase Toxin Synergize in Promoting Lysis of Monocytes. Infection and Immunity, 2006, 74, 2207-2214.	1.0	72
22	Acylation of Lysine 860 Allows Tight Binding and Cytotoxicity of Bordetella Adenylate Cyclase on CD11b-Expressing Cells. Biochemistry, 2005, 44, 12759-12766.	1.2	68
23	Antigen Targeting to CD11b Allows Efficient Presentation of CD4+ and CD8+ T Cell Epitopes and In Vivo Th1-Polarized T Cell Priming. Journal of Immunology, 2004, 173, 6089-6097.	0.4	67
24	PERISCOPE: road towards effective control of pertussis. Lancet Infectious Diseases, The, 2019, 19, e179-e186.	4.6	67
25	Membrane Restructuring by Bordetella pertussis Adenylate Cyclase Toxin, a Member of the RTX Toxin Family. Journal of Bacteriology, 2004, 186, 3760-3765.	1.0	65
26	Bordetella adenylate cyclase toxin is a unique ligand of the integrin complement receptor 3. ELife, 2015, 4, e10766.	2.8	65
27	Segments Crucial for Membrane Translocation and Pore-forming Activity of Bordetella Adenylate Cyclase Toxin. Journal of Biological Chemistry, 2007, 282, 12419-12429.	1.6	63
28	Third Activity of Bordetella Adenylate Cyclase (AC) Toxin-Hemolysin. Journal of Biological Chemistry, 2007, 282, 2808-2820.	1.6	62
29	Delivery of Multiple Epitopes by Recombinant Detoxified Adenylate Cyclase of Bordetella pertussis Induces Protective Antiviral Immunity. Journal of Virology, 2001, 75, 7330-7338.	1.5	61
30	Acylation of Lysine 983 Is Sufficient for Toxin Activity of Bordetella pertussis Adenylate Cyclase. Journal of Biological Chemistry, 2001, 276, 348-354.	1.6	58
31	The Conserved Lysine 860 in the Additional Fatty-acylation Site of Bordetella pertussis Adenylate Cyclase Is Crucial for Toxin Function Independently of Its Acylation Status. Journal of Biological Chemistry, 1999, 274, 10777-10783.	1.6	55
32	A Novel â€œClip-and-linkâ€•Activity of Repeat in Toxin (RTX) Proteins from Gram-negative Pathogens. Journal of Biological Chemistry, 2004, 279, 24944-24956.	1.6	55
33	Occurrence of IgA and IgG Autoantibodies to Calreticulin in Coeliac Disease and Various Autoimmune Diseases. Journal of Autoimmunity, 2000, 15, 441-449.	3.0	52
34	Oligomerization is involved in pore formation byBordetellaadenylate cyclase toxin. FASEB Journal, 2009, 23, 2831-2843.	0.2	51
35	The RNA Chaperone Hfq Is Required for Virulence of Bordetella pertussis. Infection and Immunity, 2013, 81, 4081-4090.	1.0	51
36	Cell-invasive activity of epitope-tagged adenylate cyclase of Bordetella pertussis allows in vitro presentation of a foreign epitope to CD8+ cytotoxic T cells. Infection and Immunity, 1995, 63, 3851-3857.	1.0	51

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37	Intrinsically disordered proteins drive enamel formation via an evolutionarily conserved self-assembly motif. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E1641-E1650.	3.3	49
38	Bordetella pertussis Adenylate Cyclase Toxin Blocks Induction of Bactericidal Nitric Oxide in Macrophages through cAMP-Dependent Activation of the SHP-1 Phosphatase. Journal of Immunology, 2015, 194, 4901-4913.	0.4	48
39	cAMP Signaling of Adenylate Cyclase Toxin Blocks the Oxidative Burst of Neutrophils through Epac-Mediated Inhibition of Phospholipase C Activity. Journal of Immunology, 2017, 198, 1285-1296.	0.4	46
40	Characterization of the flexible genome complement of the commensal Escherichia coli strain A0 34/86 (O83â€Š:â€ŠK24â€Š:â€ŠH31). Microbiology (United Kingdom), 2005, 151, 385-398.	0.7	45
41	Bordetellaadenylate cyclase toxin: a unique combination of a pore-forming moiety with a cell-invading adenylate cyclase enzyme. Pathogens and Disease, 2015, 73, ftv075.	0.8	45
42	Adenylate cyclase toxin translocates across target cell membrane without forming a pore. Molecular Microbiology, 2010, 75, 1550-1562.	1.2	44
43	Induction of a Polarized Th1 Response by Insertion of Multiple Copies of a Viral T-Cell Epitope into Adenylate Cyclase of Bordetella pertussis. Infection and Immunity, 2000, 68, 3867-3872.	1.0	41
44	Bacteria and their Toxins Tamed for Immunotherapy. Current Pharmaceutical Biotechnology, 2012, 13, 1446-1473.	0.9	41
45	Calcium Influx Rescues Adenylate Cyclase-Hemolysin from Rapid Cell Membrane Removal and Enables Phagocyte Permeabilization by Toxin Pores. PLoS Pathogens, 2012, 8, e1002580.	2.1	40
46	Adenylate cyclase toxin-hemolysin relevance for pertussis vaccines. Expert Review of Vaccines, 2014, 13, 1215-1227.	2.0	40
47	Structureâ€“Function Relationships Underlying the Capacity of Bordetella Adenylate Cyclase Toxin to Disarm Host Phagocytes. Toxins, 2017, 9, 300.	1.5	40
48	Invasion of Dendritic Cells, Macrophages and Neutrophils by the Bordetella Adenylate Cyclase Toxin: A Subversive Move to Fool Host Immunity. Toxins, 2017, 9, 293.	1.5	39
49	The C-terminal domain is essential for protective activity of the Bordetella pertussis adenylate cyclase-hemolysin. Infection and Immunity, 1995, 63, 3309-3315.	1.0	39
50	Prime/boost immunotherapy of HPV16-induced tumors with E7 protein delivered by Bordetella adenylate cyclase and modified vaccinia virus Ankara. Cancer Immunology, Immunotherapy, 2006, 55, 39-46.	2.0	38
51	Negatively charged residues of the segment linking the enzyme and cytolysin moieties restrict the membrane-permeabilizing capacity of adenylate cyclase toxin. Scientific Reports, 2016, 6, 29137.	1.6	37
52	Intrinsically Disordered Enamel Matrix Protein Ameloblastin Forms Ribbon-like Supramolecular Structures via an N-terminal Segment Encoded by Exon 5. Journal of Biological Chemistry, 2013, 288, 22333-22345.	1.6	36
53	Bordetella pertussis Adenylate Cyclase Toxin Disrupts Functional Integrity of Bronchial Epithelial Layers. Infection and Immunity, 2018, 86, .	1.0	36
54	Heterologous expression of full-length capsid protein of porcine circovirus 2 in Escherichia coli and its potential use for detection of antibodies. Journal of Virological Methods, 2009, 162, 133-141.	1.0	35

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55	Differences in Purinergic Amplification of Osmotic Cell Lysis by the Pore-Forming RTX Toxins Bordetella pertussis CyaA and Actinobacillus pleuropneumoniae ApxIA: the Role of Pore Size. Infection and Immunity, 2013, 81, 4571-4582.	1.0	35
56	Antigen Targeting to CD11b+ Dendritic Cells in Association with TLR4/TRIF Signaling Promotes Strong CD8+ T Cell Responses. Journal of Immunology, 2014, 193, 1787-1798.	0.4	34
57	A guide to polarized airway epithelial models for studies of hostâ€“pathogen interactions. FEBS Journal, 2018, 285, 4343-4358.	2.2	34
58	Neisseria meningitidis RTX Protein FrpC Induces High Levels of Serum Antibodies during Invasive Disease: Polymorphism of frpC Alleles and Purification of Recombinant FrpC. Infection and Immunity, 2001, 69, 5509-5519.	1.0	33
59	Channel Formation in Model Membranes by the Adenylate Cyclase Toxin of Bordetella pertussis:â€‰ Effect of Calcium. Biochemistry, 2003, 42, 8077-8084.	1.2	33
60	Delivery of a MalE CD4⁺-T-Cell Epitope into the Major Histocompatibility Complex Class II Antigen Presentation Pathway byBordetella pertussisAdenylate Cyclase. Infection and Immunity, 2002, 70, 1002-1005.	1.0	33
61	cAMP signalling ofBordetellaadenylate cyclase toxin through the SHPâ€1 phosphatase activates the BimELâ€Bax proâ€apoptotic cascade in phagocytes. Cellular Microbiology, 2016, 18, 384-398.	1.1	32
62	Transmission ofMycobacterium tuberculosisUndetected by Tuberculin Skin Testing. American Journal of Respiratory and Critical Care Medicine, 2006, 173, 1038-1042.	2.5	31
63	Immunization with a Circumsporozoite Epitope Fused to Bordetella pertussis Adenylate Cyclase in Conjunction with Cytotoxic T-Lymphocyte-Associated Antigen 4 Blockade Confers Protection against Plasmodium berghei Liver-Stage Malaria. Infection and Immunity, 2006, 74, 2277-2285.	1.0	31
64	Singleâ€step affinity purification of recombinant proteins using a selfâ€excising module from Neisseria meningitidis FrpC. Protein Science, 2008, 17, 1834-1843.	3.1	31
65	Quantification of potassium levels in cells treated with Bordetella adenylate cyclase toxin. Analytical Biochemistry, 2014, 450, 57-62.	1.1	31
66	Human interleukinâ€23 receptor antagonists derived from an albuminâ€binding domain scaffold inhibit ILâ€23â€dependent ex vivo expansion of ILâ€17â€producing Tâ€cells. Proteins: Structure, Function and Bioinformatics, 2014, 82, 975-989.	1.5	31
67	Cyclic AMP-Elevating Capacity of Adenylate Cyclase Toxin-Hemolysin Is Sufficient for Lung Infection but Not for Full Virulence of Bordetella pertussis. Infection and Immunity, 2017, 85, .	1.0	31
68	Novel highâ€affinity binders of human interferon gamma derived from albuminâ€binding domain of protein G. Proteins: Structure, Function and Bioinformatics, 2012, 80, 774-789.	1.5	30
69	Heterosubtypic protection against influenza A induced by adenylate cyclase toxoids delivering conserved HA2 subunit of hemagglutinin. Antiviral Research, 2013, 97, 24-35.	1.9	30
70	Mass spectrometric analysis of recombinant adenylate cyclase toxin fromBordetella pertussisstrain 18323/pHSP9. Journal of Mass Spectrometry, 2001, 36, 384-391.	0.7	29
71	The adenylate cyclase toxin from Bordetella pertussis â€“ a novel promising vehicle for antigen delivery to dendritic cells. International Journal of Medical Microbiology, 2004, 293, 571-576.	1.5	29
72	Interaction of Bordetella adenylate cyclase toxin with complement receptor 3 involves multivalent glycan binding. FEBS Letters, 2015, 589, 374-379.	1.3	29

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73	The Neisseria meningitidis Outer Membrane Lipoprotein FrpD Binds the RTX Protein FrpC. Journal of Biological Chemistry, 2005, 280, 3251-3258.	1.6	28
74	The iron-regulated transcriptome and proteome ofNeisseria meningitidis serogroupâ€...C. Proteomics, 2006, 6, 6194-6206.	1.3	27
75	Nematodeâ€induced interference with the antiâ€‹Plasmodium CD8⁺ Tâ€cell response can be overcome by optimizing antigen administration. European Journal of Immunology, 2012, 42, 890-900.	1.6	27
76	Different structural requirements for adenylate cyclase toxin interactions with erythrocyte and liposome membranes. Biochimica Et Biophysica Acta - Biomembranes, 2004, 1660, 144-154.	1.4	26
77	Bordetella adenylate cyclase toxin induces a cascade of morphological changes of sheep erythrocytes and localizes into clusters in erythrocyte membranes. Microscopy Research and Technique, 2006, 69, 119-129.	1.2	26
78	The Bordetella pertussis Type III Secretion System Tip Complex Protein Bsp22 Is Not a Protective Antigen and Fails To Elicit Serum Antibody Responses during Infection of Humans and Mice. Infection and Immunity, 2013, 81, 2761-2767.	1.0	25
79	Filamentous hemagglutinin ofBordetella pertussis: a key adhesin with immunomodulatory properties?. Future Microbiology, 2014, 9, 1339-1360.	1.0	25
80	Acellular Pertussis Vaccine Inhibits Bordetella pertussis Clearance from the Nasal Mucosa of Mice. Vaccines, 2020, 8, 695.	2.1	25
81	Meningococcal adhesion suppresses proapoptotic gene expression and promotes expression of genes supporting early embryonic and cytoprotective signaling of human endothelial cells. FEMS Microbiology Letters, 2006, 263, 109-118.	0.7	24
82	Type IV fimbrial subunit protein ApfA contributes to protection against porcine pleuropneumonia. Veterinary Research, 2012, 43, 2.	1.1	24
83	Expanding the tools for identifying mononuclear phagocyte subsets in swine: Reagents to porcine CD11c and XCR1. Developmental and Comparative Immunology, 2016, 65, 31-40.	1.0	24
84	Delivery of Large Heterologous Polypeptides across the Cytoplasmic Membrane of Antigen-Presenting Cells by the Bordetella RTX Hemolysin Moiety Lacking the Adenylyl Cyclase Domain. Infection and Immunity, 2012, 80, 1181-1192.	1.0	23
85	Neisseria meningitidis RTX Proteins Are Not Required for Virulence in Infant Rats. Infection and Immunity, 2003, 71, 2253-2257.	1.0	22
86	Complete protection against P. berghei malaria upon heterologous prime/boost immunization against circumsporozoite protein employing Salmonella type III secretion system and Bordetella adenylate cyclase toxoid. Vaccine, 2008, 26, 5935-5943.	1.7	22
87	Detection of immune cell response to M. tuberculosisâ€“specific antigens by quantitative polymerase chain reaction. Diagnostic Microbiology and Infectious Disease, 2012, 72, 68-78.	0.8	22
88	Bordetella Adenylate Cyclase Toxin Differentially Modulates Toll-Like Receptor-Stimulated Activation, Migration and T Cell Stimulatory Capacity of Dendritic Cells. PLoS ONE, 2014, 9, e104064.	1.1	22
89	On the respective roles of the two proteins encoded by the Bacillus sphaericus 1593M toxin genes expressed in Escherichia coli and Bacillus subtilis. Biochemical and Biophysical Research Communications, 1989, 164, 1417-1422.	1.0	20
90	Pore formation by the Bordetella adenylate cyclase toxin in lipid bilayer membranes: Role of voltage and pH. Biochimica Et Biophysica Acta - Biomembranes, 2008, 1778, 260-269.	1.4	20

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91	Acyltransferase-mediated selection of the length of the fatty acyl chain and of the acylation site governs activation of bacterial RTX toxins. Journal of Biological Chemistry, 2020, 295, 9268-9280.	1.6	20
92	Induction of protective immunity against Mycobacterium tuberculosis by delivery of ESX antigens into airway dendritic cells. Mucosal Immunology, 2013, 6, 522-534.	2.7	19
93	Proteome analysis of Bordetella pertussis isolated from human macrophages. Journal of Proteomics, 2016, 136, 55-67.	1.2	19
94	Poreâ€formation by adenylate cyclase toxoid activates dendritic cells to prime CD8 + and CD4 + T cells. Immunology and Cell Biology, 2016, 94, 322-333.	1.0	19
95	Bordetella Adenylate Cyclase Toxin Inhibits Monocyte-to-Macrophage Transition and Dedifferentiates Human Alveolar Macrophages into Monocyte-like Cells. MBio, 2019, 10, .	1.8	19
96	Cytotoxicity of the effector protein BteA was attenuated inÂBordetella pertussisÂby insertion of an alanine residue. PLoS Pathogens, 2020, 16, e1008512.	2.1	19
97	The conserved tyrosine residue 940 plays a key structural role in membrane interaction of Bordetella adenylate cyclase toxin. Scientific Reports, 2017, 7, 9330.	1.6	18
98	Residues 529 to 549 participate in membrane penetration and pore-forming activity of the Bordetella adenylate cyclase toxin. Scientific Reports, 2019, 9, 5758.	1.6	17
99	Overcoming Waning Immunity in Pertussis Vaccines: Workshop of the National Institute of Allergy and Infectious Diseases. Journal of Immunology, 2020, 205, 877-882.	0.4	17
100	Recognition of Mycobacterial Antigens Delivered by Genetically Detoxified Bordetella pertussis Adenylate Cyclase by T Cells from Cattle with Bovine Tuberculosis. Infection and Immunity, 2004, 72, 6255-6261.	1.0	16
101	Gliadin fragments promote migration of dendritic cells. Journal of Cellular and Molecular Medicine, 2011, 15, 938-948.	1.6	16
102	Rapid Purification of Endotoxin-Free RTX Toxins. Toxins, 2019, 11, 336.	1.5	16
103	A Universal Influenza Vaccine Can Lead to Disease Exacerbation or Viral Control Depending on Delivery Strategies. Frontiers in Immunology, 2016, 7, 641.	2.2	15
104	Continuous Assembly of Î²-Roll Structures Is Implicated in the Type I-Dependent Secretion of Large Repeat-in-Toxins (RTX) Proteins. Journal of Molecular Biology, 2020, 432, 5696-5710.	2.0	15
105	Delineation of the minimal portion of the Bacillus sphaericus 1593M toxin required for the expression of larvicidal activity. FEBS Journal, 1990, 194, 161-165.	0.2	14
106	Efficient Ex Vivo Stimulation of Mycobacterium tuberculosis-Specific T Cells by Genetically Detoxified Bordetella pertussis Adenylate Cyclase Antigen Toxoids. Infection and Immunity, 2005, 73, 2991-2998.	1.0	14
107	Enhanced Ex Vivo Stimulation of Mycobacterium tuberculosis -Specific T Cells in Human Immunodeficiency Virus-Infected Persons via Antigen Delivery by the Bordetella pertussis Adenylate Cyclase Vector. Vaccine Journal, 2007, 14, 847-854.	3.2	14
108	HlyA knock out yields a saferEscherichia coliA0 34/86 variant with unaffected colonization capacity in piglets. FEMS Immunology and Medical Microbiology, 2006, 48, 257-266.	2.7	12

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109	Increasing Affinity of Interferon-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="M1"><mml:mrow><mml:mi mathvariant="bold">Î³</mml:mi></mml:mrow></mml:math>Receptor 1 to Interferon-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="M2"><mml:mrow><mml:mi mathvariant="bold">Î³</mml:mi></mml:mrow></mml:math>by Computer-Aided Design. BioMed Research International, 2013, 2013, 1-12.	0.9	12
110	Biocompatible Sizeâ€Defined Dendrimerâ€“Albumin Binding Protein Hybrid Materials as a Versatile Platform for Biomedical Applications. Macromolecular Bioscience, 2016, 16, 553-566.	2.1	12
111	Bordetella pertussis filamentous hemagglutinin itself does not trigger anti-inflammatory interleukin-10 production by human dendritic cells. International Journal of Medical Microbiology, 2016, 306, 38-47.	1.5	12
112	Different structural requirements for adenylate cyclase toxin interactions with erythrocyte and liposome membranes. Biochimica Et Biophysica Acta, 2004, 1660, 144-54.	1.3	12
113	Transmembrane segments of complement receptor 3 do not participate in cytotoxic activities but determine receptor structure required for action ofBordetellaadenylate cyclase toxin. Pathogens and Disease, 2016, 74, ftw008.	0.8	11
114	Bordetella pertussis Adenylate Cyclase: A Toxin with Multiple Talents. Zentralblatt Fur Bakteriologie: International Journal of Medical Microbiology, 1993, 278, 326-333.	0.5	10
115	Prophylactic and therapeutic inhibition of allergic airway inflammation by probiotic Escherichia coli O83. Journal of Allergy and Clinical Immunology, 2018, 142, 1987-1990.e7.	1.5	10
116	Distinct Spatiotemporal Distribution of Bacterial Toxin-Produced Cellular cAMP Differentially Inhibits Opsonophagocytic Signaling. Toxins, 2019, 11, 362.	1.5	10
117	Adenylate Cyclase Toxin Tinkering With Monocyte-Macrophage Differentiation. Frontiers in Immunology, 2020, 11, 2181.	2.2	10
118	Retargeting from the CR3 to the LFA-1 receptor uncovers the adenylyl cyclase enzymeâ€“translocating segment of Bordetella adenylate cyclase toxin. Journal of Biological Chemistry, 2020, 295, 9349-9365.	1.6	9
119	The Fim and FhaB adhesins play a crucial role in nasal cavity infection and Bordetella pertussis transmission in a novel mouse catarrhal infection model. PLoS Pathogens, 2022, 18, e1010402.	2.1	9
120	Bordetella pertussis Acetylome is Shaped by Lysine Deacetylase Bkd1. Journal of Proteome Research, 2020, 19, 3680-3696.	1.8	8
121	Bacterial RTX toxins and host immunity. Current Opinion in Infectious Diseases, 2021, 34, 187-196.	1.3	8
122	Specific regions of genome plasticity and genetic diversity of the commensal Escherichia coli A0 34/86. International Journal of Medical Microbiology, 2006, 296, 541-546.	1.5	7
123	In vitro activation of CMV-specific human CD8+ T cells by adenylate cyclase toxoids delivering pp65 epitopes. Bone Marrow Transplantation, 2012, 47, 243-250.	1.3	7
124	Phosphoproteomics of cAMP signaling of Bordetella adenylate cyclase toxin in mouse dendritic cells. Scientific Reports, 2017, 7, 16298.	1.6	7
125	Comparative genomics of Czech vaccine strains of Bordetella pertussis. Pathogens and Disease, 2018, 76, .	0.8	7
126	Negative charge of the AC-to-Hly linking segment modulates calcium-dependent membrane activities of Bordetella adenylate cyclase toxin. Biochimica Et Biophysica Acta - Biomembranes, 2020, 1862, 183310.	1.4	7

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127	Almost half of the RTX domain is dispensable for complement receptor 3 binding and cell-invasive activity of the Bordetella adenylate cyclase toxin. Journal of Biological Chemistry, 2021, 297, 100833.	1.6	7
128	Complexes of Streptavidin-Fused Antigens with Biotinylated Antibodies Targeting Receptors on Dendritic Cell Surface: A Novel Tool for Induction of Specific T-Cell Immune Responses. Molecular Biotechnology, 2012, 51, 221-232.	1.3	6
129	Crystallization and preliminary crystallographic characterization of the iron-regulated outer membrane lipoprotein FrpD fromNeisseria meningitidis. Acta Crystallographica Section F: Structural Biology Communications, 2010, 66, 1119-1123.	0.7	5
130	Sensitive Detection of Interferon-Gamma with Engineered Proteins and Surface Plasmon Resonance Biosensor. Procedia Engineering, 2011, 25, 940-943.	1.2	5
131	Plasmodium berghei sporozoite challenge of vaccinated <scp>BALB</scp>/c mice leads to the induction of humoral immunity and improved function of <scp>CD</scp>8⁺ memory <scp>T</scp>Âcells. European Journal of Immunology, 2013, 43, 693-704.	1.6	5
132	Redesigning Protein Cavities as a Strategy for Increasing Affinity in Protein-Protein Interaction: Interferon-Î³Receptor 1 as a Model. BioMed Research International, 2015, 2015, 1-12.	0.9	5
133	Phospholipase A activity of adenylate cyclase toxin?. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E2489-E2490.	3.3	5
134	Bordetella Pertussis Adenylate Cyclase Toxin Does Not Possess a Phospholipase A Activity; Serine 606 and Aspartate 1079 Residues Are Not Involved in Target Cell Delivery of the Adenylyl Cyclase Enzyme Domain. Toxins, 2018, 10, 245.	1.5	5
135	Structural Basis of Ca 2+ -Dependent Self-Processing Activity of Repeat-in-Toxin Proteins. MBio, 2020, 11, .	1.8	5
136	Pertussis toxin suppresses dendritic cell-mediated delivery of B. pertussis into lung-draining lymph nodes. PLoS Pathogens, 2022, 18, e1010577.	2.1	5
137	Bordetella pertussis and Bordetella bronchiseptica filamentous hemagglutinins are processed at different sites. FEBS Open Bio, 2018, 8, 1256-1266.	1.0	4
138	A Mutation Upstream of the rplN-rpsD Ribosomal Operon Downregulates Bordetella pertussis Virulence Factor Production without Compromising Bacterial Survival within Human Macrophages. MSystems, 2020, 5, .	1.7	4
139	Different roles of conserved tyrosine residues of the acylated domains in folding and activity of RTX toxins. Scientific Reports, 2021, 11, 19814.	1.6	4
140	Modeling the catarrhal stage of Bordetella pertussis upper respiratory tract infections in mice. DMM Disease Models and Mechanisms, 2022, 15, .	1.2	4
141	Molecular properties of elongation factor Tu fromStreptomyces aureofaciens andEscherichia coli. Folia Microbiologica, 1988, 33, 81-87.	1.1	3
142	Bordetella Adenylate Cyclase Toxin Elicits Airway Mucin Secretion through Activation of the cAMP Response Element Binding Protein. International Journal of Molecular Sciences, 2021, 22, 9064.	1.8	3
143	Repeats-in-Toxin (RTX) Toxins: A Review. Toxinology, 2018, , 353-381.	0.2	3
144	RTX Toxins: A Review. , 2015, , 1-29.		3

#	Article	IF	Citations
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