

Marek Basler

List of Publications by Year in descending order

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47
papers

5,233
citations

147801

31
h-index

214800

47
g-index

51
all docs

51
docs citations

51
times ranked

4233
citing authors

#	ARTICLE	IF	CITATIONS
1	Type VI secretion requires a dynamic contractile phage tail-like structure. <i>Nature</i> , 2012, 483, 182-186.	27.8	579
2	Type VI secretion apparatus and phage tail-associated protein complexes share a common evolutionary origin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 4154-4159.	7.1	576
3	Tit-for-Tat: Type VI Secretion System Counterattack during Bacterial Cell-Cell Interactions. <i>Cell</i> , 2013, 152, 884-894.	28.9	486
4	PAAR-repeat proteins sharpen and diversify the type VI secretion system spike. <i>Nature</i> , 2013, 500, 350-353.	27.8	466
5	RTX proteins: a highly diverse family secreted by a common mechanism. <i>FEMS Microbiology Reviews</i> , 2010, 34, 1076-1112.	8.6	420
6	Structure of the Type VI Secretion System Contractile Sheath. <i>Cell</i> , 2015, 160, 952-962.	28.9	216
7	Type 6 Secretion Dynamics Within and Between Bacterial Cells. <i>Science</i> , 2012, 337, 815-815.	12.6	215
8	De novo protein structure determination from near-atomic-resolution cryo-EM maps. <i>Nature Methods</i> , 2015, 12, 335-338.	19.0	172
9	Type VI secretion system: secretion by a contractile nanomachine. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2015, 370, 20150021.	4.0	169
10	Type VI Secretion System Substrates Are Transferred and Reused among Sister Cells. <i>Cell</i> , 2016, 167, 99-110.e12.	28.9	132
11	The Role of Type VI Secretion System Effectors in Target Cell Lysis and Subsequent Horizontal Gene Transfer. <i>Cell Reports</i> , 2017, 21, 3927-3940.	6.4	121
12	Type 6 Secretion Systemâ€“Mediated Immunity to Type 4 Secretion Systemâ€“Mediated Gene Transfer. <i>Science</i> , 2013, 342, 250-253.	12.6	120
13	Cryo-EM structure of the extended type VI secretion system sheathâ€“tube complex. <i>Nature Microbiology</i> , 2017, 2, 1507-1512.	13.3	107
14	Eukaryotic-Type Serine/Threonine Protein Kinase StkP Is a Global Regulator of Gene Expression in <i>Streptococcus pneumoniae</i> . <i>Journal of Bacteriology</i> , 2007, 189, 4168-4179.	2.2	94
15	Assembly and Subcellular Localization of Bacterial Type VI Secretion Systems. <i>Annual Review of Microbiology</i> , 2019, 73, 621-638.	7.3	93
16	Using Force to Punch Holes: Mechanics of Contractile Nanomachines. <i>Trends in Cell Biology</i> , 2017, 27, 623-632.	7.9	76
17	Francisella requires dynamic type VI secretion system and ClpB to deliver effectors for phagosomal escape. <i>Nature Communications</i> , 2017, 8, 15853.	12.8	75
18	Cryo-EM reconstruction of Type VI secretion system baseplate and sheath distal end. <i>EMBO Journal</i> , 2018, 37, .	7.8	74

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19	Pore-Forming and Enzymatic Activities of <i>Bordetella pertussis</i> Adenylate Cyclase Toxin Synergize in Promoting Lysis of Monocytes. <i>Infection and Immunity</i> , 2006, 74, 2207-2214.	2.2	72
20	Acylation of Lysine 860 Allows Tight Binding and Cytotoxicity of <i>Bordetella</i> Adenylate Cyclase on CD11b-Expressing Cells. <i>Biochemistry</i> , 2005, 44, 12759-12766.	2.5	68
21	Biocomputational prediction of small non-coding RNAs in <i>Streptomyces</i> . <i>BMC Genomics</i> , 2008, 9, 217.	2.8	66
22	The evolution of the type VI secretion system as a disintegration weapon. <i>PLoS Biology</i> , 2020, 18, e3000720.	5.6	65
23	Established Microbial Colonies Can Survive Type VI Secretion Assault. <i>PLoS Computational Biology</i> , 2015, 11, e1004520.	3.2	64
24	Segments Crucial for Membrane Translocation and Pore-forming Activity of <i>Bordetella</i> Adenylate Cyclase Toxin. <i>Journal of Biological Chemistry</i> , 2007, 282, 12419-12429.	3.4	63
25	Third Activity of <i>Bordetella</i> Adenylate Cyclase (AC) Toxin-Hemolysin. <i>Journal of Biological Chemistry</i> , 2007, 282, 2808-2820.	3.4	62
26	Transcriptomic Identification of Iron-Regulated and Iron-Independent Gene Copies within the Heavily Duplicated <i>Trichomonas vaginalis</i> Genome. <i>Genome Biology and Evolution</i> , 2012, 4, 1017-1029.	2.5	54
27	Oligomerization is involved in pore formation by <i>Bordetella</i> adenylate cyclase toxin. <i>FASEB Journal</i> , 2009, 23, 2831-2843.	0.5	51
28	The type VI secretion system sheath assembles at the end distal from the membrane anchor. <i>Nature Communications</i> , 2017, 8, 16088.	12.8	49
29	Adenylate cyclase toxin translocates across target cell membrane without forming a pore. <i>Molecular Microbiology</i> , 2010, 75, 1550-1562.	2.5	44
30	Calcium Influx Rescues Adenylate Cyclase-Hemolysin from Rapid Cell Membrane Removal and Enables Phagocyte Permeabilization by Toxin Pores. <i>PLoS Pathogens</i> , 2012, 8, e1002580.	4.7	40
31	Diverse roles of TssA-like proteins in the assembly of bacterial type VI secretion systems. <i>EMBO Journal</i> , 2019, 38, e100825.	7.8	38
32	Abundance of bacterial Type VI secretion system components measured by targeted proteomics. <i>Nature Communications</i> , 2019, 10, 2584.	12.8	35
33	Type VI secretion system sheath inter-subunit interactions modulate its contraction. <i>EMBO Reports</i> , 2018, 19, 225-233.	4.5	33
34	The evolution of tit-for-tat in bacteria via the type VI secretion system. <i>Nature Communications</i> , 2020, 11, 5395.	12.8	32
35	Comparisons of Two Proteomic Analyses of Non-Mucoid and Mucoid <i>Pseudomonas aeruginosa</i> Clinical Isolates from a Cystic Fibrosis Patient. <i>Frontiers in Microbiology</i> , 2011, 2, 162.	3.5	29
36	Shedding light on biology of bacterial cells. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2016, 371, 20150499.	4.0	28

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37	The iron-regulated transcriptome and proteome of <i>Neisseria meningitidis</i> serogroup 4. <i>Proteomics</i> , 2006, 6, 6194-6206.	2.2	27
38	Meningococcal adhesion suppresses proapoptotic gene expression and promotes expression of genes supporting early embryonic and cytoprotective signaling of human endothelial cells. <i>FEMS Microbiology Letters</i> , 2006, 263, 109-118.	1.8	24
39	Nanaerobic growth enables direct visualization of dynamic cellular processes in human gut symbionts. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 24484-24493.	7.1	21
40	Clinical impact of the type VI secretion system on virulence of <i>Campylobacter</i> species during infection. <i>BMC Infectious Diseases</i> , 2019, 19, 237.	2.9	18
41	DNA Uptake upon T6SS-Dependent Prey Cell Lysis Induces SOS Response and Reduces Fitness of <i>Acinetobacter baylyi</i> . <i>Cell Reports</i> , 2019, 29, 1633-1644.e4.	6.4	17
42	Subcellular localization of Type VI secretion system assembly in response to cell-cell contact. <i>EMBO Journal</i> , 2022, 41, .	7.8	14
43	Type VI Secretion System and Its Effectors PdpC, PdpD, and OpiA Contribute to <i>Francisella</i> Virulence in <i>Galleria mellonella</i> Larvae. <i>Infection and Immunity</i> , 2021, 89, e0057920.	2.2	10
44	The Microbial Olympics 2016. <i>Nature Microbiology</i> , 2016, 1, 16122.	13.3	7
45	Special type of pheromone-induced invasive growth in <i>Saccharomyces cerevisiae</i> . <i>Current Genetics</i> , 2007, 52, 87-95.	1.7	5
46	Mobilizable Plasmids for Tunable Gene Expression in <i>Francisella novicida</i> . <i>Frontiers in Cellular and Infection Microbiology</i> , 2018, 8, 284.	3.9	4
47	Bacterial infection and symbiosis. <i>Molecular Biology of the Cell</i> , 2018, 29, 683-684.	2.1	1