Marek Basler

List of Publications by Citations

47 papers	3,781 citations	29 h-index	51 g-index
51 ext. papers	4,772 ext. citations	14.8 avg, IF	5.68 L-index

#	Paper	IF	Citations
47	Type VI secretion apparatus and phage tail-associated protein complexes share a common evolutionary origin. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 4154-9	11.5	458
46	Type VI secretion requires a dynamic contractile phage tail-like structure. *Nature*, **2012**, 483, 182-6	50.4	447
45	PAAR-repeat proteins sharpen and diversify the type VI secretion system spike. *Nature*, **2013**, 500, 350-353	50.4	324
44	RTX proteins: a highly diverse family secreted by a common mechanism. *FEMS Microbiology Reviews* , **2010**, 34, 1076-112	15.1	324
43	Tit-for-tat: type VI secretion system counterattack during bacterial cell-cell interactions. *Cell*, **2013**, 152, 884-94	56.2	320
42	Structure of the type VI secretion system contractile sheath. *Cell*, **2015**, 160, 952-962	56.2	172
41	Type 6 secretion dynamics within and between bacterial cells. *Science*, **2012**, 337, 815	33.3	171
40	De novo protein structure determination from near-atomic-resolution cryo-EM maps. *Nature Methods*, **2015**, 12, 335-8	21.6	131
39	Type VI secretion system: secretion by a contractile nanomachine. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2015**, 370,	5.8	118
38	Type 6 secretion system-mediated immunity to type 4 secretion system-mediated gene transfer. *Science*, **2013**, 342, 250-3	33.3	81
37	Type VI Secretion System Substrates Are Transferred and Reused among Sister Cells. *Cell*, **2016**, 167, 99-110.e12	56.2	80
36	Eukaryotic-type serine/threonine protein kinase StkP is a global regulator of gene expression in Streptococcus pneumoniae. *Journal of Bacteriology*, **2007**, 189, 4168-79	3.5	77
35	Cryo-EM structure of the extended type VI secretion system sheath-tube complex. *Nature Microbiology*, **2017**, 2, 1507-1512	26.6	72
34	Pore-forming and enzymatic activities of Bordetella pertussis adenylate cyclase toxin synergize in promoting lysis of monocytes. *Infection and Immunity*, **2006**, 74, 2207-14	3.7	67
33	The Role of Type VI Secretion System Effectors in Target Cell Lysis and Subsequent Horizontal Gene Transfer. *Cell Reports*, **2017**, 21, 3927-3940	10.6	59
32	Third activity of Bordetella adenylate cyclase (AC) toxin-hemolysin. Membrane translocation of AC domain polypeptide promotes calcium influx into CD11b+ monocytes independently of the catalytic and hemolytic activities. *Journal of Biological Chemistry*, **2007**, 282, 2808-20	5.4	58
31	Acylation of lysine 860 allows tight binding and cytotoxicity of Bordetella adenylate cyclase on CD11b-expressing cells. *Biochemistry*, **2005**, 44, 12759-66	3.2	57

30	Segments crucial for membrane translocation and pore-forming activity of Bordetella adenylate cyclase toxin. *Journal of Biological Chemistry*, **2007**, 282, 12419-29	5.4	56
29	Cryo-EM reconstruction of Type VI secretion system baseplate and sheath distal end. *EMBO Journal* , **2018**, 37,	13	53
28	Biocomputational prediction of small non-coding RNAs in Streptomyces. *BMC Genomics*, **2008**, 9, 217	4.5	52
27	Using Force to Punch Holes: Mechanics of Contractile Nanomachines. *Trends in Cell Biology*, **2017**, 27, 623-632	18.3	50
26	Transcriptomic identification of iron-regulated and iron-independent gene copies within the heavily duplicated Trichomonas vaginalis genome. *Genome Biology and Evolution*, **2012**, 4, 1017-29	3.9	49
25	Francisella requires dynamic type VI secretion system and ClpB to deliver effectors for phagosomal escape. *Nature Communications*, **2017**, 8, 15853	17.4	48
24	Oligomerization is involved in pore formation by Bordetella adenylate cyclase toxin. *FASEB Journal*, **2009**, 23, 2831-43	0.9	47
23	The type VI secretion system sheath assembles at the end distal from the membrane anchor. *Nature Communications*, **2017**, 8, 16088	17.4	43
22	Assembly and Subcellular Localization of Bacterial Type VI Secretion Systems. *Annual Review of Microbiology*, **2019**, 73, 621-638	17.5	38
21	Adenylate cyclase toxin translocates across target cell membrane without forming a pore. *Molecular Microbiology*, **2010**, 75, 1550-62	4.1	38
20	Calcium influx rescues adenylate cyclase-hemolysin from rapid cell membrane removal and enables phagocyte permeabilization by toxin pores. *PLoS Pathogens*, **2012**, 8, e1002580	7.6	38
19	Established Microbial Colonies Can Survive Type VI Secretion Assault. *PLoS Computational Biology*, **2015**, 11, e1004520	5	33
18	The iron-regulated transcriptome and proteome of Neisseria meningitidis serogroup C. *Proteomics*, **2006**, 6, 6194-206	4.8	27
17	Shedding light on biology of bacterial cells. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2016**, 371,	5.8	25
16	The evolution of the type VI secretion system as a disintegration weapon. *PLoS Biology*, **2020**, 18, e3000720	9.7	24
15	Comparisons of Two Proteomic Analyses of Non-Mucoid and Mucoid Pseudomonas aeruginosa Clinical Isolates from a Cystic Fibrosis Patient. *Frontiers in Microbiology*, **2011**, 2, 162	5.7	24
14	Type VI secretion system sheath inter-subunit interactions modulate its contraction. *EMBO Reports*, **2018**, 19, 225-233	6.5	21
13	Diverse roles of TssA-like proteins in the assembly of bacterial type VI secretion systems. *EMBO Journal*, **2019**, 38, e100825	13	20

12	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, 109-18	2.9	17
11	DNA Uptake upon T6SS-Dependent Prey Cell Lysis Induces SOS Response and Reduces Fitness of Acinetobacter baylyi. *Cell Reports*, **2019**, 29, 1633-1644.e4	10.6	13
10	Abundance of bacterial Type VI secretion system components measured by targeted proteomics. *Nature Communications*, **2019**, 10, 2584	17.4	12
9	Clinical impact of the type VI secretion system on virulence of Campylobacter species during infection. *BMC Infectious Diseases*, **2019**, 19, 237	4	12
8	The Microbial Olympics 2016. *Nature Microbiology*, **2016**, 1, 16122	26.6	5
7	The evolution of tit-for-tat in bacteria via the type VI secretion system. *Nature Communications*, **2020**, 11, 5395	17.4	5
6	Nanaerobic growth enables direct visualization of dynamic cellular processes in human gut symbionts. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 24484-24493	11.5	5
5	Special type of pheromone-induced invasive growth in Saccharomyces cerevisiae. *Current Genetics*, **2007**, 52, 87-95	2.9	4
4	Mobilizable Plasmids for Tunable Gene Expression in. *Frontiers in Cellular and Infection Microbiology* , **2018**, 8, 284	5.9	4
3	VipA N-terminal linker and VipB-VipB interaction modulate the contraction of Type VI secretion system sheath		1
2	Type VI Secretion System and Its Effectors PdpC, PdpD, and OpiA Contribute to Virulence in Galleria mellonella Larvae. *Infection and Immunity*, **2021**, 89, e0057920	3.7	1
1	Bacterial infection and symbiosis. *Molecular Biology of the Cell*, **2018**, 29, 683-684	3.5	