Marek Basler

List of Publications by Year
in descending order

47 papers	5,233 citations	147566 31 h-index	214527 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. Nature, 2012, 483, 182-186.	13.7	579
2	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, 4154-4159.	3.3	576
3	Tit-for-Tat: Type VI Secretion System Counterattack during Bacterial Cell-Cell Interactions. Cell, 2013, 152, 884-894.	13.5	486
4	PAAR-repeat proteins sharpen and diversify the type VI secretion system spike. Nature, 2013, 500, 350-353.	13.7	466
5	RTX proteins: a highly diverse family secreted by a common mechanism. FEMS Microbiology Reviews, 2010, 34, 1076-1112.	3.9	420
6	Structure of the Type VI Secretion System Contractile Sheath. Cell, 2015, 160, 952-962.	13.5	216
7	Type 6 Secretion Dynamics Within and Between Bacterial Cells. Science, 2012, 337, 815-815.	6.0	215
8	De novo protein structure determination from near-atomic-resolution cryo-EM maps. Nature Methods, 2015, 12, 335-338.	9.0	172
9	Type VI secretion system: secretion by a contractile nanomachine. Philosophical Transactions of the Royal Society B: Biological Sciences, 2015, 370, 20150021.	1.8	169
10	Type VI Secretion System Substrates Are Transferred and Reused among Sister Cells. Cell, 2016, 167, 99-110.e12.	13.5	132
11	The Role of Type VI Secretion System Effectors in Target Cell Lysis and Subsequent Horizontal Gene Transfer. Cell Reports, 2017, 21, 3927-3940.	2.9	121
12	Type 6 Secretion Systemâ€"Mediated Immunity to Type 4 Secretion Systemâ€"Mediated Gene Transfer. Science, 2013, 342, 250-253.	6.0	120
13	Cryo-EM structure of the extended type VI secretion system sheathâ€"tube complex. Nature Microbiology, 2017, 2, 1507-1512.	5.9	107
14	Eukaryotic-Type Serine/Threonine Protein Kinase StkP Is a Global Regulator of Gene Expression in Streptococcus pneumoniae. Journal of Bacteriology, 2007, 189, 4168-4179.	1.0	94
15	Assembly and Subcellular Localization of Bacterial Type VI Secretion Systems. Annual Review of Microbiology, 2019, 73, 621-638.	2.9	93
16	Using Force to Punch Holes: Mechanics of Contractile Nanomachines. Trends in Cell Biology, 2017, 27, 623-632.	3.6	76
17	Francisella requires dynamic type VI secretion system and ClpB to deliver effectors for phagosomal escape. Nature Communications, 2017, 8, 15853.	5.8	75
18	Cryoâ€•<scp>EM</scp> reconstruction of Type <scp>VI</scp> secretion system baseplate and sheath distal end. EMBO Journal, 2018, 37, .	3.5	74

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19	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
20	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
21	Biocomputational prediction of small non-coding RNAs in Streptomyces. BMC Genomics, 2008, 9, 217.	1.2	66
22	The evolution of the type VI secretion system as a disintegration weapon. PLoS Biology, 2020, 18, e3000720.	2.6	65
23	Established Microbial Colonies Can Survive Type VI Secretion Assault. PLoS Computational Biology, 2015, 11, e1004520.	1.5	64
24	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
25	Third Activity of Bordetella Adenylate Cyclase (AC) Toxin-Hemolysin. Journal of Biological Chemistry, 2007, 282, 2808-2820.	1.6	62
26	Transcriptomic Identification of Iron-Regulated and Iron-Independent Gene Copies within the Heavily Duplicated Trichomonas vaginalis Genome. Genome Biology and Evolution, 2012, 4, 1017-1029.	1.1	54
27	Oligomerization is involved in pore formation by<i>Bordetella</i>adenylate cyclase toxin. FASEB Journal, 2009, 23, 2831-2843.	0.2	51
28	The type VI secretion system sheath assembles at the end distal from the membrane anchor. Nature Communications, 2017, 8, 16088.	5.8	49
29	Adenylate cyclase toxin translocates across target cell membrane without forming a pore. Molecular Microbiology, 2010, 75, 1550-1562.	1.2	44
30	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
31	Diverse roles of TssAâ€like proteins in the assembly of bacterial type VI secretion systems. EMBO Journal, 2019, 38, e100825.	3.5	38
32	Abundance of bacterial Type VI secretion system components measured by targeted proteomics. Nature Communications, 2019, 10, 2584.	5.8	35
33	Type VI secretion system sheath interâ€subunit interactions modulate its contraction. EMBO Reports, 2018, 19, 225-233.	2.0	33
34	The evolution of tit-for-tat in bacteria via the type VI secretion system. Nature Communications, 2020, 11, 5395.	5.8	32
35	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.	1.5	29
36	Shedding light on biology of bacterial cells. Philosophical Transactions of the Royal Society B: Biological Sciences, 2016, 371, 20150499.	1.8	28

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37	The iron-regulated transcriptome and proteome ofNeisseria meningitidis serogroupâ€…C. Proteomics, 2006, 6, 6194-6206.	1.3	27
38	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
39	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.	3.3	21
40	Clinical impact of the type VI secretion system on virulence of Campylobacter species during infection. BMC Infectious Diseases, 2019, 19, 237.	1.3	18
41	DNA Uptake upon T6SS-Dependent Prey Cell Lysis Induces SOS Response and Reduces Fitness of Acinetobacter baylyi. Cell Reports, 2019, 29, 1633-1644.e4.	2.9	17
42	Subcellular localization of Type VI secretion system assembly in response to cellâ€“cell contact. EMBO Journal, 2022, 41, .	3.5	14
43	Type VI Secretion System and Its Effectors PdpC, PdpD, and OpiA Contribute to <i>Francisella</i> Virulence in Galleria mellonella Larvae. Infection and Immunity, 2021, 89, e0057920.	1.0	10
44	The Microbial Olympics 2016. Nature Microbiology, 2016, 1, 16122.	5.9	7
45	Special type of pheromone-induced invasive growth in Saccharomyces cerevisiae. Current Genetics, 2007, 52, 87-95.	0.8	5
46	Mobilizable Plasmids for Tunable Gene Expression in Francisella novicida. Frontiers in Cellular and Infection Microbiology, 2018, 8, 284.	1.8	4
47	Bacterial infection and symbiosis. Molecular Biology of the Cell, 2018, 29, 683-684.	0.9	1