

# Sabine Totemeyer

## List of Publications by Citations

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38  
papers

1,535  
citations

17  
h-index

39  
g-index

43  
ext. papers

1,695  
ext. citations

3.8  
avg, IF

3.73  
L-index

#	Paper	IF	Citations
38	Protection of Escherichia coli cells against extreme turgor by activation of MscS and MscL mechanosensitive channels: identification of genes required for MscS activity. <i>EMBO Journal</i> , <b>1999</b> , 18, 1730-7	13	547
37	Methylglyoxal production in bacteria: suicide or survival?. <i>Archives of Microbiology</i> , <b>1998</b> , 170, 209-18	3	211
36	From famine to feast: the role of methylglyoxal production in Escherichia coli. <i>Molecular Microbiology</i> , <b>1998</b> , 27, 553-62	4.1	106
35	Stimulation of Toll-like receptor 4 by lipopolysaccharide during cellular invasion by live Salmonella typhimurium is a critical but not exclusive event leading to macrophage responses. <i>Journal of Immunology</i> , <b>2003</b> , 170, 5445-54	5.3	74
34	Induction of proinflammatory responses in the human monocytic cell line THP-1 by Campylobacter jejuni. <i>Infection and Immunity</i> , <b>2003</b> , 71, 2626-33	3.7	68
33	IFN-gamma enhances production of nitric oxide from macrophages via a mechanism that depends on nucleotide oligomerization domain-2. <i>Journal of Immunology</i> , <b>2006</b> , 176, 4804-10	5.3	59
32	Toll-like receptor expression in C3H/HeN and C3H/HeJ mice during Salmonella enterica serovar Typhimurium infection. <i>Infection and Immunity</i> , <b>2003</b> , 71, 6653-7	3.7	49
31	Yersinia enterocolitica can deliver Yop proteins into a wide range of cell types: development of a delivery system for heterologous proteins. <i>European Journal of Cell Biology</i> , <b>2000</b> , 79, 659-71	6.1	46
30	Toll-like receptor 4 signalling through MyD88 is essential to control Salmonella enterica serovar typhimurium infection, but not for the initiation of bacterial clearance. <i>Immunology</i> , <b>2009</b> , 128, 472-83	7.8	45
29	Effect of low- and high-virulence Yersinia enterocolitica strains on the inflammatory response of human umbilical vein endothelial cells. <i>Infection and Immunity</i> , <b>2002</b> , 70, 3510-20	3.7	44
28	YscP, a Yersinia protein required for Yop secretion that is surface exposed, and released in low Ca <sup>2+</sup> . <i>Molecular Microbiology</i> , <b>2000</b> , 37, 1005-18	4.1	43
27	Influence of probiotics on gut health in the weaned pig. <i>Livestock Science</i> , <b>2010</b> , 133, 179-181	1.7	36
26	Ovine footrot: new insights into bacterial colonisation. <i>Veterinary Record</i> , <b>2016</b> , 179, 228	0.9	22
25	Sublethal infection of C57BL/6 mice with Salmonella enterica Serovar Typhimurium leads to an increase in levels of Toll-like receptor 1 (TLR1), TLR2, and TLR9 mRNA as well as a decrease in levels of TLR6 mRNA in infected organs. <i>Infection and Immunity</i> , <b>2005</b> , 73, 1873-8	3.7	20
24	A Novel 3D Skin Explant Model to Study Anaerobic Bacterial Infection. <i>Frontiers in Cellular and Infection Microbiology</i> , <b>2017</b> , 7, 404	5.9	19
23	Salmonella-induced SipB-independent cell death requires Toll-like receptor-4 signalling via the adapter proteins Tram and Trif. <i>Immunology</i> , <b>2007</b> , 122, 222-9	7.8	18
22	A distinct bacterial dysbiosis associated skin inflammation in ovine footrot. <i>Scientific Reports</i> , <b>2017</b> , 7, 45220	4.9	17

21	Multiple redundant stress resistance mechanisms are induced in <i>Salmonella enterica</i> serovar Typhimurium in response to alteration of the intracellular environment via TLR4 signalling. <i>Microbiology (United Kingdom)</i> , <b>2009</b> , 155, 2919-2929	2.9	14
20	Differential modulatory effects of annexin 1 on nitric oxide synthase induction by lipopolysaccharide in macrophages. <i>Immunology</i> , <b>2006</b> , 117, 340-9	7.8	11
19	Novel inflammatory cell infiltration scoring system to investigate healthy and footrot affected ovine interdigital skin. <i>PeerJ</i> , <b>2018</b> , 6, e5097	3.1	10
18	A new bovine conjunctiva model shows that <i>Listeria monocytogenes</i> invasion is associated with lysozyme resistance. <i>Veterinary Microbiology</i> , <b>2015</b> , 179, 76-81	3.3	9
17	The Applied Development of a Tiered Multilocus Sequence Typing (MLST) Scheme for. <i>Frontiers in Microbiology</i> , <b>2018</b> , 9, 551	5.7	8
16	Differential expression of Toll-like receptors and inflammatory cytokines in ovine interdigital dermatitis and footrot. <i>Veterinary Immunology and Immunopathology</i> , <b>2014</b> , 161, 90-8	2	7
15	Interferon treatment suppresses enteric adenovirus infection in a model gastrointestinal cell-culture system. <i>Journal of General Virology</i> , <b>2012</b> , 93, 618-623	4.9	7
14	Confidence as a barrier to the use of problem-based learning in veterinary undergraduate students. <i>Journal of Veterinary Medical Education</i> , <b>2011</b> , 38, 305-10	1.3	7
13	Equine hepatocytes: isolation, cryopreservation, and applications to in vitro drug metabolism studies. <i>Pharmacology Research and Perspectives</i> , <b>2016</b> , 4, e00268	3.1	7
12	Dexamethasone modulates <i>Salmonella enterica</i> serovar Typhimurium infection in vivo independently of the glucocorticoid-inducible protein annexin-A1. <i>FEMS Immunology and Medical Microbiology</i> , <b>2008</b> , 54, 339-48		6
11	DirtyGenes: testing for significant changes in gene or bacterial population compositions from a small number of samples. <i>Scientific Reports</i> , <b>2019</b> , 9, 2373	4.9	5
10	Generation of a transient non-culturable state in <i>Pseudomonas putida</i> during detoxification of N-ethylmaleimide. <i>Microbiology (United Kingdom)</i> , <b>1996</b> , 142, 2857-2862	2.9	5
9	RNA expression of TLR10 in normal equine tissues. <i>BMC Research Notes</i> , <b>2016</b> , 9, 353	2.3	5
8	What is it like to be an international student at veterinary school? Perception and performance in first year-a case study at a UK veterinary school. <i>Journal of Veterinary Medical Education</i> , <b>2012</b> , 39, 180-8 <sup>1.3</sup>		4
7	The effects of aging on hepatic microsomal scaling factor and hepatocellularity number in the horse. <i>Xenobiotica</i> , <b>2018</b> , 48, 1237-1244	2	2
6	Characterisation of isolates from cattle using a bovine caruncular epithelial cell model. <i>Heliyon</i> , <b>2020</b> , 6, e04476	3.6	1
5	How Does Student Educational Background Affect Transition into the First Year of Veterinary School? Academic Performance and Support Needs in University Education. <i>Journal of Veterinary Medical Education</i> , <b>2016</b> , 43, 372-381	1.3	1
4	A Trifecta of New Insights into Ovine Footrot for Infection Drivers, Immune Response, and Host-Pathogen Interactions. <i>Infection and Immunity</i> , <b>2021</b> , 89, e0027021	3.7	1

3	Prediction of pharmacokinetic clearance and potential Drug-Drug interactions for omeprazole in the horse using systems. <i>Xenobiotica</i> , <b>2020</b> , 50, 1220-1227	2	0
2	14 Transport and intracellular movement of protein translocation via dedicated secretion systems. <i>Methods in Microbiology</i> , <b>2002</b> , 31, 263-IN12	2.8	
1	The impact of glutaraldehyde based footbaths on <i>Dichelobacter nodosus</i> prevalence and the antimicrobial resistant community of the ovine interdigital skin. <i>Veterinary Microbiology</i> , <b>2022</b> , 109459	3.3	