Nicole Tegtmeyer

List of Publications by Year in descending order

66 papers	4,237 citations	101543 36 h-index	110387 64 g-index
67 all docs	67 docs citations	67 times ranked	3169 citing authors

#	Article	IF	Citations
1	Importance of cortactin for efficient epithelial NF-Ä¸B activation by Helicobacter pylori, Salmonella enterica and Pseudomonas aeruginosa, but not Campylobacter spp.. European Journal of Microbiology and Immunology, 2022, 11, 95-103.	2.8	5
2	Campylobacter jejuni Serine Protease HtrA Induces Paracellular Transmigration of Microbiota across Polarized Intestinal Epithelial Cells. Biomolecules, 2022, 12, 521.	4.0	7
3	Unique TLR9 Activation by Helicobacter pylori Depends on the cag T4SS, But Not on VirD2 Relaxases or VirD4 Coupling Proteins. Current Microbiology, 2022, 79, 121.	2.2	6
4	Cortactin Promotes Effective AGS Cell Scattering by Helicobacter pylori CagA, but Not Cellular Vacuolization and Apoptosis Induced by the Vacuolating Cytotoxin VacA. Pathogens, 2022, 11, 3.	2.8	6
5	Cortactin Is Required for Efficient FAK, Src and Abl Tyrosine Kinase Activation and Phosphorylation of Helicobacter pylori CagA. International Journal of Molecular Sciences, 2021, 22, 6045.	4.1	6
6	TheHelicobacter pyloritype<scp>IV</scp>secretion system upregulates epithelial cortactin expression by a<scp>CagA</scp>â€•and<scp>JNK</scp>â€dependent pathway. Cellular Microbiology, 2021, 23, e13376.	2.1	8
7	Helicobacter pylori CagA Induces Cortactin Y-470 Phosphorylation-Dependent Gastric Epithelial Cell Scattering via Abl, Vav2 and Rac1 Activation. Cancers, 2021, 13, 4241.	3.7	9
8	Cortactin: A Major Cellular Target of the Gastric Carcinogen Helicobacter pylori. Cancers, 2020, 12, 159.	3.7	13
9	Toll-like Receptor 5 Activation by the CagY Repeat Domains of Helicobacter pylori. Cell Reports, 2020, 32, 108159.	6.4	36
10	Different roles of integrin-Î²1Âand integrin-Î±v for type IV secretion of CagA versus cell elongation phenotype and cell lifting by Helicobacter pylori. PLoS Pathogens, 2020, 16, e1008135.	4.7	5
11	Campylobacter jejuni Serine Protease HtrA Cleaves the Tight Junction Component Claudin-8. Frontiers in Cellular and Infection Microbiology, 2020, 10, 590186.	3.9	22
12	Type IV secretion of Helicobacter pylori CagA into oral epithelial cells is prevented by the absence of CEACAM receptor expression. Gut Pathogens, 2020, 12, 25.	3.4	11
13	Peptidase PepP is a novel virulence factor of Campylobacter jejuni contributing to murine campylobacteriosis. Gut Microbes, 2020, 12, 1770017.	9.8	9
14	SHP2-independent tyrosine dephosphorylation of cortactin and vinculin during infection with Helicobacter pylori. European Journal of Microbiology and Immunology, 2020, 10, 20-27.	2.8	6
15	Establishment of serine protease htrA mutants in Helicobacter pylori is associated with secA mutations. Scientific Reports, 2019, 9, 11794.	3.3	19
16	Tailor-Made Detection of Individual Phosphorylated and Non-Phosphorylated EPIYA-Motifs of Helicobacter pylori Oncoprotein CagA. Cancers, 2019, 11, 1163.	3.7	6
17	Specific high affinity interaction of HelicobacterÂpylori CagL with integrin Î±_VÎ²₆ promotes type <scp>IV</scp> secretion of CagA into human cells. FEBS Journal, 2019, 286, 3980-3997.	4.7	16
18	Activity and Functional Importance of Helicobacter pylori Virulence Factors. Advances in Experimental Medicine and Biology, 2019, 1149, 35-56.	1.6	23

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19	Campylobacter jejuni enters gut epithelial cells and impairs intestinal barrier function through cleavage of occludin by serine protease HtrA. Gut Pathogens, 2019, 11, 4.	3.4	61
20	T4SS-dependent TLR5 activation by Helicobacter pylori infection. Nature Communications, 2019, 10, 5717.	12.8	56
21	Expression of CEACAM1 or CEACAM5 in AZ-521 cells restores the type IV secretion deficiency for translocation of CagA byHelicobacter pylori. Cellular Microbiology, 2019, 21, e12965.	2.1	31
22	Function of serine protease HtrA in the lifecycle of the foodborne pathogen Campylobacter jejuni. European Journal of Microbiology and Immunology, 2018, 8, 70-77.	2.8	35
23	Helicobacter pylori adhesin HopQ disrupts trans dimerization in human <scp>CEACAM</scp> s. EMBO Journal, 2018, 37, .	7.8	73
24	Amino-Terminal Processing of Helicobacter pylori Serine Protease HtrA: Role in Oligomerization and Activity Regulation. Frontiers in Microbiology, 2018, 9, 642.	3.5	29
25	Unusual Manifestation of Live Staphylococcus saprophyticus, Corynebacterium urinapleomorphum, and Helicobacter pylori in the Gallbladder with Cholecystitis. International Journal of Molecular Sciences, 2018, 19, 1826.	4.1	9
26	Subversion of host kinases: a key network in cellular signaling hijacked by Helicobacter pylori CagA. Molecular Microbiology, 2017, 105, 358-372.	2.5	88
27	Helicobacter pylori: A Paradigm Pathogen for Subverting Host Cell Signal Transmission. Trends in Microbiology, 2017, 25, 316-328.	7.7	94
28	Helicobacter pylori Employs a Unique Basolateral Type IV Secretion Mechanism for CagA Delivery. Cell Host and Microbe, 2017, 22, 552-560.e5.	11.0	125
29	Helicobacter pylori adhesin HopQ engages in a virulence-enhancing interaction with human CEACAMs. Nature Microbiology, 2017, 2, 16189.	13.3	188
30	Helicobacter pylori infection of AZ-521 cells reveals a type IV secretion defect and VacA-independent CagA phosphorylation. DMM Disease Models and Mechanisms, 2017, 10, 1539-1540.	2.4	2
31	Type IV Secretion and Signal Transduction of Helicobacter pylori CagA through Interactions with Host Cell Receptors. Toxins, 2017, 9, 115.	3.4	74
32	Overexpression of serine protease HtrA enhances disruption of adherens junctions, paracellular transmigration and type IV secretion of CagA by Helicobacter pylori. Gut Pathogens, 2017, 9, 40.	3.4	41
33	Human campylobacteriosis. , 2017, , 1-25.		38
34	Systematic analysis of phosphotyrosine antibodies recognizing single phosphorylated EPIYA-motifs in CagA of East Asian-type Helicobacter pylori strains. BMC Microbiology, 2016, 16, 201.	3.3	29
35	Characterisation of worldwide Helicobacter pylori strains reveals genetic conservation and essentiality of serine protease HtrA. Molecular Microbiology, 2016, 99, 925-944.	2.5	70
36	Identification of E-cadherin signature motifs functioning as cleavage sites for Helicobacter pylori HtrA. Scientific Reports, 2016, 6, 23264.	3.3	77

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37	Campylobacter jejuniserine protease HtrA plays an important role in heat tolerance, oxygen resistance, host cell adhesion, invasion, and transmigration. European Journal of Microbiology and Immunology, 2015, 5, 68-80.	2.8	54
38	Interplay of the Gastric PathogenHelicobacter pyloriwith Toll-Like Receptors. BioMed Research International, 2015, 2015, 1-12.	1.9	70
39	Composition, structure and function of theHelicobacter pylori cagpathogenicity island encoded type IV secretion system. Future Microbiology, 2015, 10, 955-965.	2.0	164
40	A Specific A/T Polymorphism in Western Tyrosine Phosphorylation B-Motifs Regulates Helicobacter pylori CagA Epithelial Cell Interactions. PLoS Pathogens, 2015, 11, e1004621.	4.7	83
41	H.Âpylori -Induced DNA Strand Breaks Are Introduced by Nucleotide Excision Repair Endonucleases and Promote NF-Î°B Target Gene Expression. Cell Reports, 2015, 13, 70-79.	6.4	92
42	Helicobacter pylori CagL Y58/E59 Mutation Turns-Off Type IV Secretion-Dependent Delivery of CagA into Host Cells. PLoS ONE, 2014, 9, e97782.	2.5	29
43	The role of serine protease HtrA in acute ulcerative enterocolitis and extra-intestinal immune responses during Campylobacter jejuni infection of gnotobiotic IL-10 deficient mice. Frontiers in Cellular and Infection Microbiology, 2014, 4, 77.	3.9	99
44	Helicobacter pylori cell translocating kinase (CtkA/JHP0940) is pro-apoptotic in mouse macrophages and acts as auto-phosphorylating tyrosine kinase. International Journal of Medical Microbiology, 2014, 304, 1066-1076.	3.6	28
45	The impact of serine protease HtrA in apoptosis, intestinal immune responses and extra-intestinal histopathology during Campylobacter jejuni infection of infant mice. Gut Pathogens, 2014, 6, 16.	3.4	41
46	Systematic Analysis of Phosphotyrosine Antibodies Recognizing Single Phosphorylated EPIYA-Motifs in CagA of Western-Type Helicobacter pylori Strains. PLoS ONE, 2014, 9, e96488.	2.5	33
47	A Helical RGD Motif Promoting Cell Adhesion: Crystal Structures of the Helicobacter pylori Type IV Secretion System Pilus Protein CagL. Structure, 2013, 21, 1931-1941.	3.3	70
48	Signal transduction ofHelicobacter pyloriduring interaction with host cell protein receptors of epithelial and immune cells. Gut Microbes, 2013, 4, 454-474.	9.8	67
49	Electron Microscopic, Genetic and Protein Expression Analyses of Helicobacter acinonychis Strains from a Bengal Tiger. PLoS ONE, 2013, 8, e71220.	2.5	25
50	An RGD Helper Sequence in CagL of Helicobacter pylori Assists in Interactions with Integrins and Injection of CagA. Frontiers in Cellular and Infection Microbiology, 2012, 2, 70.	3.9	81
51	Live Helicobacter pylori in the root canal of endodontic-infected deciduous teeth. Journal of Gastroenterology, 2012, 47, 936-940.	5.1	45
52	Helicobacter pylori CagA Tertiary Structure Reveals Functional Insights. Cell Host and Microbe, 2012, 12, 3-5.	11.0	11
53	Rapid paracellular transmigration of Campylobacter jejuni across polarized epithelial cells without affecting TER: role of proteolytic-active HtrA cleaving E-cadherin but not fibronectin. Gut Pathogens, 2012, 4, 3.	3.4	130
54	Helicobacter pyloriCagL dependent induction of gastrin expression via a novel Î±vÎ²₅-integrinâ€“integrin linked kinase signalling complex. Gut, 2012, 61, 986-996.	12.1	104

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55	c-Src and c-Abl kinases control hierarchic phosphorylation and function of the CagA effector protein in Western and East Asian Helicobacter pylori strains. Journal of Clinical Investigation, 2012, 122, 1553-1566.	8.2	200
56	Serine Phosphorylation of Cortactin Controls Focal Adhesion Kinase Activity and Cell Scattering Induced by Helicobacter pylori. Cell Host and Microbe, 2011, 9, 520-531.	11.0	74
57	Major Host Factors Involved in Epithelial Cell Invasion of Campylobacter jejuni: Role of Fibronectin, Integrin Beta1, FAK, Tiam-1, and DOCK180 in Activating Rho GTPase Rac1. Frontiers in Cellular and Infection Microbiology, 2011, 1, 17.	3.9	84
58	Role of the cagâ€pathogenicity island encoded type IV secretion system in Helicobacterâ€ƒpylori pathogenesis. FEBS Journal, 2011, 278, 1190-1202.	4.7	211
59	The signaling pathway of Campylobacter jejuni-induced Cdc42 activation: Role of fibronectin, integrin beta1, tyrosine kinases and guanine exchange factor Vav2. Cell Communication and Signaling, 2011, 9, 32.	6.5	75
60	Role of Abl and Src family kinases in actin-cytoskeletal rearrangements induced by the Helicobacter pylori CagA protein. European Journal of Cell Biology, 2011, 90, 880-890.	3.6	41
61	Molecular mechanisms of gastric epithelial cell adhesion and injection of CagA by Helicobacter pylori. Cell Communication and Signaling, 2011, 9, 28.	6.5	127
62	The Versatility of Helicobacter pylori CagA Effector Protein Functions: The Master Key Hypothesis. Helicobacter, 2010, 15, 163-176.	3.5	202
63	Biochemical and functional characterization of Helicobacter pylori vesicles. Molecular Microbiology, 2010, 77, 1539-1555.	2.5	186
64	Helicobacter pylori HtrA is a new secreted virulence factor that cleaves Eâ€cadherin to disrupt intercellular adhesion. EMBO Reports, 2010, 11, 798-804.	4.5	264
65	A Small Fibronectin-mimicking Protein from Bacteria Induces Cell Spreading and Focal Adhesion Formation. Journal of Biological Chemistry, 2010, 285, 23515-23526.	3.4	101
66	Importance of EGF receptor, HER2/Neu and Erk1/2 kinase signalling for host cell elongation and scattering induced by theHelicobacter pyloriCagA protein: antagonistic effects of the vacuolating cytotoxin VacA. Cellular Microbiology, 2009, 11, 488-505.	2.1	92