Markus Gerhard

List of Publications by Year
in descending order

109 papers	8,299 citations	57719 44 h-index	48277 88 g-index
118 all docs	118 docs citations	118 times ranked	10377 citing authors

#	Article	IF	Citations
1	New Rapid Helicobacter Pylori Blood Test Based on Dual Detection of FliD and CagA Antibodies for On-Site Testing. Clinical Gastroenterology and Hepatology, 2023, 21, 229-231.e1.	2.4	6
2	Recruitment of highly cytotoxic CD8+ TÂcell receptors in mild SARS-CoV-2 infection. Cell Reports, 2022, 38, 110214.	2.9	19
3	Dynamics of spike-and nucleocapsid specific immunity during long-term follow-up and vaccination of SARS-CoV-2 convalescents. Nature Communications, 2022, 13, 153.	5.8	45
4	Validation and improvement of a multiplex PCR method to detect murine Helicobacter species in feces samples of mice. Helicobacter, 2022, , e12888.	1.6	1
5	JAK-STAT1 Signaling Pathway Is an Early Response to Helicobacter pylori Infection and Contributes to Immune Escape and Gastric Carcinogenesis. International Journal of Molecular Sciences, 2022, 23, 4147.	1.8	18
6	CMV seropositivity is a potential novel risk factor for severe COVID-19 in non-geriatric patients. PLoS ONE, 2022, 17, e0268530.	1.1	19
7	Microbiota-associated Risk Factors for Clostridioides difficile Acquisition in Hospitalized Patients: A Prospective, Multicentric Study. Clinical Infectious Diseases, 2021, 73, e2625-e2634.	2.9	6
8	Loss of RNF43 Function Contributes to Gastric Carcinogenesis by Impairing DNA Damage Response. Cellular and Molecular Gastroenterology and Hepatology, 2021, 11, 1071-1094.	2.3	21
9	Prolonged norovirus infections correlate to quasispecies evolution resulting in structural changes of surface-exposed epitopes. IScience, 2021, 24, 102802.	1.9	3
10	Engagement of CEACAM1 by Helicobacter pylori HopQ Is Important for the Activation of Non-Canonical NF-ÎºB in Gastric Epithelial Cells. Microorganisms, 2021, 9, 1748.	1.6	5
11	Microbiota alteration at different stages in gastric lesion progression: a population-based study in Linqu, China. American Journal of Cancer Research, 2021, 11, 561-575.	1.4	3
12	Phantosmia, Parosmia, and Dysgeusia Are Prolonged and Late-Onset Symptoms of COVID-19. Journal of Clinical Medicine, 2021, 10, 5266.	1.0	16
13	Proteomic profiling identifies signatures associated with progression of precancerous gastric lesions and risk of early gastric cancer. EBioMedicine, 2021, 74, 103714.	2.7	17
14	Quantitation of norovirus-specific IgG before and after infection in immunocompromised patients. Brazilian Journal of Microbiology, 2020, 51, 183-187.	0.8	2
15	Effect of Helicobacter pylori on gastrointestinal microbiota: a population-based study in Linqu, a high-risk area of gastric cancer. Gut, 2020, 69, 1598-1607.	6.1	179
16	Fluorophore-conjugated Helicobacter pylori recombinant membrane protein (HopQ) labels primary colon cancer and metastases in orthotopic mouse models by binding CEA-related cell adhesion molecules. Translational Oncology, 2020, 13, 100857.	1.7	6
17	Gut Microbiota-Derived Propionate Regulates the Expression of Reg3 Mucosal Lectins and Ameliorates Experimental Colitis in Mice. Journal of Crohn's and Colitis, 2020, 14, 1462-1472.	0.6	63
18	Cysteine Residues in Helicobacter pylori Adhesin HopQ are Required for CEACAMâ€“HopQ Interaction and Subsequent CagA Translocation. Microorganisms, 2020, 8, 465.	1.6	12

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19	Concomitant Infection of S.Âmansoni and H.Âpylori Promotes Promiscuity of Antigen-Experienced Cells and Primes the Liver for a Lower Fibrotic Response. Cell Reports, 2019, 28, 231-244.e5.	2.9	10
20	Helicobacter pylori Exploits the NLRC4 Inflammasome to Dampen Host Defenses. Journal of Immunology, 2019, 203, 2183-2193.	0.4	30
21	Increased LIGHT expression and activation of non-canonical NF-Î°B are observed in gastric lesions of MyD88-deficient mice upon Helicobacter felis infection. Scientific Reports, 2019, 9, 7030.	1.6	11
22	Mutated Rnf43 Aggravates Helicobacter Pylori-Induced Gastric Pathology. Cancers, 2019, 11, 372.	1.7	14
23	The Helicobacter pylori HopQ outermembrane protein inhibits immune cell activities. OncoImmunology, 2019, 8, e1553487.	2.1	37
24	A mass spectrometry guided approach for the identification of novel vaccine candidates in gram-negative pathogens. Scientific Reports, 2019, 9, 17401.	1.6	7
25	Loss of endogenous RNF43 function enhances proliferation and tumour growth of intestinal and gastric cells. Carcinogenesis, 2019, 40, 551-559.	1.3	32
26	Evidence suggests that germline RNF43 mutations are a rare cause of serrated polyposis. Gut, 2018, 67, 2230-2232.	6.1	48
27	Helicobacter pylori adhesin HopQ disrupts trans dimerization in human <scp>CEACAM</scp> s. EMBO Journal, 2018, 37, .	3.5	73
28	BaiCD gene cluster abundance is negatively correlated with Clostridium difficile infection. PLoS ONE, 2018, 13, e0196977.	1.1	34
29	Association Between Gut Microbiota and Helicobacter pylori-Related Gastric Lesions in a High-Risk Population of Gastric Cancer. Frontiers in Cellular and Infection Microbiology, 2018, 8, 202.	1.8	106
30	Immune Evasion Strategies and Persistence of Helicobacter pylori. Current Topics in Microbiology and Immunology, 2017, 400, 53-71.	0.7	44
31	Lymphotoxin Î² receptor signalling executesHelicobacter pylori-driven gastric inflammation in a T4SS-dependent manner. Gut, 2017, 66, 1369-1381.	6.1	33
32	Cut-off optimization for 13C-urea breath test in a community-based trial by mathematic, histology and serology approach. Scientific Reports, 2017, 7, 2072.	1.6	10
33	Helicobacter pylori Î³-glutamyl transferase contributes to colonization and differential recruitment of T cells during persistence. Scientific Reports, 2017, 7, 13636.	1.6	25
34	Helicobacter pylori adhesin HopQ engages in a virulence-enhancing interaction with human CEACAMs. Nature Microbiology, 2017, 2, 16189.	5.9	188
35	Comparison of enzymatic properties and small molecule inhibition of Î³â€“glutamyltranspeptidases from pathogenic and commensal bacteria. Biological Chemistry, 2017, 398, 341-357.	1.2	6
36	The Helicobacter pylori Type IV Secretion System Encoded by the cag Pathogenicity Island: Architecture, Function, and Signaling. Current Topics in Microbiology and Immunology, 2017, 413, 187-220.	0.7	51

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37	Performance of a Multiplex Serological Helicobacter pylori Assay on a Novel Microfluidic Assay Platform. Proteomes, 2017, 5, 24.	1.7	7
38	Development of a Bead-Based Multiplex Assay for the Analysis of the Serological Response against the Six Pathogens HAV, HBV, HCV, CMV, T. gondii, and H. pylori. High-Throughput, 2017, 6, 14.	4.4	6
39	Validation of a Novel Immunoline Assay for Patient Stratification according to Virulence of the InfectingHelicobacter pyloriStrain and Eradication Status. Journal of Immunology Research, 2017, 2017, 1-10.	0.9	9
40	The Lost Friend: H. pylori. Birkhauser Advances in Infectious Diseases, 2017, , 69-97.	0.3	0
41	Helicobacter pylori HP0231 Influences Bacterial Virulence and Is Essential for Gastric Colonization. PLoS ONE, 2016, 11, e0154643.	1.1	21
42	T cell-specific inactivation of mouse CD2 by CRISPR/Cas9. Scientific Reports, 2016, 6, 21377.	1.6	11
43	Characterisation of worldwide Helicobacter pylori strains reveals genetic conservation and essentiality of serine protease HtrA. Molecular Microbiology, 2016, 99, 925-944.	1.2	70
44	Helicobacter pylori Î³-Glutamyltranspeptidase Induces Tolerogenic Human Dendritic Cells by Activation of Glutamate Receptors. Journal of Immunology, 2016, 196, 4246-4252.	0.4	39
45	Inflammation, immunity, and vaccines for Helicobacter pylori infection. Helicobacter, 2016, 21, 26-29.	1.6	33
46	Mitochondrial function controls intestinal epithelial stemness and proliferation. Nature Communications, 2016, 7, 13171.	5.8	134
47	A large randomised controlled intervention trial to prevent gastric cancer by eradication ofHelicobacter pyloriin Linqu County, China: baseline results and factors affecting the eradication. Gut, 2016, 65, 9-18.	6.1	142
48	Diagnosis of Helicobacter pylori: Changes towards the Future. Diseases (Basel, Switzerland), 2015, 3, 122-135.	1.0	25
49	Helicobacter pyloriÎ³-glutamyltranspeptidase impairs T-lymphocyte function by compromising metabolic adaption through inhibition of cMyc and IRF4 expression. Cellular Microbiology, 2015, 17, 51-61.	1.1	28
50	The E3 ligase RNF43 inhibits Wnt signaling downstream of mutated Î²-catenin by sequestering TCF4 to the nuclear membrane. Science Signaling, 2015, 8, ra90.	1.6	67
51	High Frequency of vacA s1m2 Genotypes Among Helicobacter pylori Isolates From Patients With Gastroduodenal Disorders in Kermanshah, Iran. Jundishapur Journal of Microbiology, 2015, 8, e25425.	0.2	19
52	Helicobacter pyloriâ€“Induced IL-1Î² Secretion in Innate Immune Cells Is Regulated by the NLRP3 Inflammasome and Requires the Cag Pathogenicity Island. Journal of Immunology, 2014, 193, 3566-3576.	0.4	113
53	C/EBP homologous protein inhibits tissue repair in response to gut injury and is inversely regulated with chronic inflammation. Mucosal Immunology, 2014, 7, 1452-1466.	2.7	24
54	H. pyloriVirulence Factors: Influence on Immune System and Pathology. Mediators of Inflammation, 2014, 2014, 1-9.	1.4	89

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55	Helicobacter pylori antibody responses and evolution of precancerous gastric lesions in a Chinese population. International Journal of Cancer, 2014, 134, 2118-2125.	2.3	43
56	Helicobacter pylorivaccination: Is there a path to protection?. World Journal of Gastroenterology, 2014, 20, 11939.	1.4	23
57	Helicobacter pylori Cytotoxin-Associated Gene A Impairs Human Dendritic Cell Maturation and Function through IL-10â€"Mediated Activation of STAT3. Journal of Immunology, 2014, 192, 316-323.	0.4	77
58	The stem cell factor SOX2 regulates the tumorigenic potential in human gastric cancer cells. Carcinogenesis, 2014, 35, 942-950.	1.3	84
59	Effective treatment of allergic airway inflammation with Helicobacter pylori immunomodulators requires BATF3-dependent dendritic cells and IL-10. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 11810-11815.	3.3	114
60	Involvement of Toll-Like Receptors on Helicobacter pylori-Induced Immunity. PLoS ONE, 2014, 9, e104804.	1.1	20
61	Helicobacter pylori FliD protein is a highly sensitive and specific marker for serologic diagnosis of H. pylori infection. International Journal of Medical Microbiology, 2013, 303, 618-623.	1.5	40
62	Intestinal Tumorigenesis Initiated by Dedifferentiation and Acquisition of Stem-Cell-like Properties. Cell, 2013, 152, 25-38.	13.5	889
63	A Novel Line Immunoassay Based on Recombinant Virulence Factors Enables Highly Specific and Sensitive Serologic Diagnosis of Helicobacter pylori Infection. Vaccine Journal, 2013, 20, 1703-1710.	3.2	39
64	Caveolin-1 Protects B6129 Mice against Helicobacter pylori Gastritis. PLoS Pathogens, 2013, 9, e1003251.	2.1	21
65	Helicobacter pylori Î³-glutamyl transpeptidase and vacuolating cytotoxin promote gastric persistence and immune tolerance. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 3047-3052.	3.3	200
66	The Sox17^{CreERT2} knockâ€in mouse line displays spatiotemporal activation of Cre recombinase in distinct Sox17 lineage progenitors. Genesis, 2013, 51, 793-802.	0.8	9
67	Helicobacter bilis Gamma-Glutamyltranspeptidase Enhances Inflammatory Stress Response via Oxidative Stress in Colon Epithelial Cells. PLoS ONE, 2013, 8, e73160.	1.1	22
68	A new mouse model for studying EGFR-dependent gastric polyps. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2012, 1822, 1293-1299.	1.8	8
69	Evidence for Conserved Function of Î³â€"Glutamyltranspeptidase in Helicobacter Genus. PLoS ONE, 2012, 7, e30543.	1.1	28
70	A comprehensive analysis of the COL29A1 gene does not support a role in eczema. Journal of Allergy and Clinical Immunology, 2011, 127, 1187-1194.e7.	1.5	15
71	SOX2 expression correlates with lymph-node metastases and distant spread in right-sided colon cancer. BMC Cancer, 2011, 11, 518.	1.1	114
72	A Modular Synthesis of Functionalized Pyridines through Lewisâ€Acidâ€Mediated and Microwaveâ€Assisted Cycloadditions between Azapyrylium Intermediates and Alkynes. European Journal of Organic Chemistry, 2011, 2011, 6070-6077.	1.2	30

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73	Synthesis of 5â€Acetyloxazoles and 1,2â€Diketones from Î²â€Alkoxyâ€Î²â€ketoenamides and Their Subsequent Transformations. Chemistry - A European Journal, 2011, 17, 7480-7491.	1.7	46
74	Carcinogenic bacterial pathogen Helicobacter pylori triggers DNA double-strand breaks and a DNA damage response in its host cells. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 14944-14949.	3.3	262
75	Genetic Variants of Toll-Like Receptor 2 and 5, Helicobacter Pylori Infection, and Risk of Gastric Cancer and Its Precursors in a Chinese Population. Cancer Epidemiology Biomarkers and Prevention, 2011, 20, 2594-2602.	1.1	72
76	Helicobacter pylori Induces miR-155 in T Cells in a cAMP-Foxp3-Dependent Manner. PLoS ONE, 2010, 5, e9500.	1.1	89
77	A Key Role for E-cadherin in Intestinal Homeostasis and Paneth Cell Maturation. PLoS ONE, 2010, 5, e14325.	1.1	171
78	Thymic stromal lymphopoietin induction by polyinosinic:polycytidylic acid in human keratinocytes is preferentially mediated through protein kinase R and retinoid-inducible gene I and not Toll-like receptor 3. Journal of Allergy and Clinical Immunology, 2009, 124, 862-864.	1.5	6
79	ITF-2 Is Disrupted via Allelic Loss of Chromosome 18q21, and ITF-2B Expression Is Lost at the Adenoma-Carcinoma Transition. Gastroenterology, 2009, 137, 639-648.e9.	0.6	27
80	Betacellulin stimulates growth of the mouse intestinal epithelium and increases adenoma multiplicity in Apc^{+/Min} mice. FEBS Letters, 2008, 582, 2911-2915.	1.3	15
81	Inhibition of T-Cell Proliferation by Helicobacter pylori Î³-Glutamyl Transpeptidase. Gastroenterology, 2007, 132, 1820-1833.	0.6	167
82	Lack of RUNX3 regulation in human gastric cancer. Journal of Pathology, 2006, 210, 141-146.	2.1	28
83	VacA-Associated Inhibition of T-cell Function: Reviewed and Reconsidered. Helicobacter, 2006, 11, 144-146.	1.6	11
84	Helicobacter pylori Adhesion to Carbohydrates. Methods in Enzymology, 2006, 417, 293-339.	0.4	46
85	The Cdx4 mutation affects axial development and reveals an essential role of Cdx genes in the ontogenesis of the placental labyrinth in mice. Development (Cambridge), 2006, 133, 419-428.	1.2	92
86	Helicobacter pylori outer membrane proteins and gastric inflammation. Gut, 2006, 55, 1360-1; author reply 1361.	6.1	22
87	Correlation of theHelicobacter pyloriadherence factor BabA with duodenal ulcer disease in four European countries. FEMS Immunology and Medical Microbiology, 2005, 44, 151-156.	2.7	60
88	Expression of Tumor Necrosis Factorâ€“Î±â€“Related Apoptosisâ€Inducing Ligand and Its Proapoptotic Receptors Is Downâ€Regulated during Gastric Infection with VirulentcagA+/vacAs1+Helicobacter pyloriStrains. Journal of Infectious Diseases, 2005, 191, 571-578.	1.9	14
89	A Secreted Low–Molecular-Weight Protein From Helicobacter pylori Induces Cell-Cycle Arrest of T Cells. Gastroenterology, 2005, 128, 1327-1339.	0.6	71
90	Cytokine gene polymorphisms influence mucosal cytokine expression, gastric inflammation, and host specific colonisation during Helicobacter pylori infection. Gut, 2004, 53, 1082-1089.	6.1	267

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91	Functional Analysis of the cag Pathogenicity Island in Helicobacter pylori Isolates from Patients with Gastritis, Peptic Ulcer, and Gastric Cancer. Infection and Immunity, 2004, 72, 1043-1056.	1.0	119
92	Human Dendritic Cells Respond to Helicobacter pylori, Promoting NK Cell and Th1-Effector Responses In Vitro. Journal of Immunology, 2004, 173, 1249-1257.	0.4	117
93	Functional Adaptation of BabA, the H. pylori ABO Blood Group Antigen Binding Adhesin. Science, 2004, 305, 519-522.	6.0	368
94	Isolation and characterization of Rac1 pseudogenes (Ï^1Rac1â€“Ï^4Rac1) in the human genome. Gene, 2004, 341, 189-197.	1.0	2
95	Helicobacter pylori Virulence Genotypes in Portuguese Children and Adults with Gastroduodenal Pathology. European Journal of Clinical Microbiology and Infectious Diseases, 2003, 22, 85-91.	1.3	42
96	Toll-Like Receptor Expression in Human Keratinocytes: Nuclear Factor ÎºB Controlled Gene Activation by Staphylococcus aureus is Toll-Like Receptor 2 But Not Toll-Like Receptor 4 or Platelet Activating Factor Receptor Dependent. Journal of Investigative Dermatology, 2003, 121, 1389-1396.	0.3	223
97	The NudA Protein in the Gastric Pathogen Helicobacter pylori Is an Ubiquitous and Constitutively Expressed Dinucleoside Polyphosphate Hydrolase. Journal of Biological Chemistry, 2003, 278, 12574-12578.	1.6	24
98	Synergistic Effect ofHelicobacter pyloriVirulence Factors and Interleukinâ€1 Polymorphisms for the Development of Severe Histological Changes in the Gastric Mucosa. Journal of Infectious Diseases, 2003, 188, 272-281.	1.9	175
99	TheHelicobacter pyloriBlood Group Antigen-Binding Adhesin Facilitates Bacterial Colonization and Augments a Nonspecific Immune Response. Journal of Immunology, 2002, 168, 3033-3041.	0.4	166
100	Helicobacter pyloriinduces apoptosis of rat gastric parietal cells. American Journal of Physiology - Renal Physiology, 2002, 283, G309-G318.	1.6	56
101	Pathogenesis of Helicobacter pylori infection. Helicobacter, 2002, 7, 17-23.	1.6	54
102	Gastrin Induces Expression and Promoter Activity of the Vesicular Monoamine Transporter Subtype 2. Endocrinology, 2001, 142, 3663-3672.	1.4	32
103	Key importance of the Helicobacter pylori adherence factor blood group antigen binding adhesin during chronic gastric inflammation. Cancer Research, 2001, 61, 1903-9.	0.4	121
104	Rac1 in human breast cancer: overexpression, mutation analysis, and characterization of a new isoform, Rac1b. Oncogene, 2000, 19, 3013-3020.	2.6	348
105	IL-1Î²â€“Induced apoptosis in rat gastric enterochromaffin-like cells is mediated by iNOS, NF-ÎºB, and Bax protein. Gastroenterology, 2000, 118, 515-524.	0.6	45
106	The mechanism of histamine secretion from gastric enterochromaffin-like cells. American Journal of Physiology - Cell Physiology, 1999, 277, C845-C855.	2.1	72
107	Clinical relevance of the Helicobacter pylori gene for blood-group antigen-binding adhesin. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 12778-12783.	3.3	554
108	Diagnosis of micrometastases by the amplification of tissue-specific genes. Gene, 1995, 159, 43-47.	1.0	102

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109	Specific detection of carcinoembryonic antigen-expressing tumor cells in bone marrow aspirates by polymerase chain reaction.. Journal of Clinical Oncology, 1994, 12, 725-729.	0.8	361