

Annemieke Smet

List of Publications by Year in descending order

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106
papers

2,884
citations

186265
28
h-index

214800
47
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111
all docs

111
docs citations

111
times ranked

3392
citing authors

#	ARTICLE	IF	CITATIONS
1	The Role of Microbiota in Gastrointestinal Cancer and Cancer Treatment: Chance or Curse?. Cellular and Molecular Gastroenterology and Hepatology, 2022, 13, 857-874.	4.5	30
2	The role of mucins in gastrointestinal barrier function during health and disease. The Lancet Gastroenterology and Hepatology, 2022, 7, 455-471.	8.1	35
3	The Effect of Serine Protease Inhibitors on Visceral Pain in Different Rodent Models With an Intestinal Insult. Frontiers in Pharmacology, 2022, 13, .	3.5	4
4	Biopsy Sampling in Upper Gastrointestinal Endoscopy: A Survey from 10 Tertiary Referral Centres Across Europe. Digestive Diseases, 2021, 39, 179-189.	1.9	2
5	Comparative genomics of <i>Flavobacterium columnare</i> unveils novel insights in virulence and antimicrobial resistance mechanisms. Veterinary Research, 2021, 52, 18.	3.0	5
6	Differentiation of Gastric <i>Helicobacter</i> Species Using MALDI-TOF Mass Spectrometry. Pathogens, 2021, 10, 366.	2.8	12
7	United European Gastroenterology (UEG) and European Society for Neurogastroenterology and Motility (ESNM) consensus on functional dyspepsia. United European Gastroenterology Journal, 2021, 9, 307-331.	3.8	62
8	Local Colonic Administration of a Serine Protease Inhibitor Improves Post-Inflammatory Visceral Hypersensitivity in Rats. Pharmaceutics, 2021, 13, 811.	4.5	10
9	The Effect of a Novel Serine Protease Inhibitor on Inflammation and Intestinal Permeability in a Murine Colitis Transfer Model. Frontiers in Pharmacology, 2021, 12, 682065.	3.5	5
10	A dynamic mucin mRNA signature associates with COVID-19 disease presentation and severity. JCI Insight, 2021, 6, .	5.0	23
11	United European Gastroenterology (UEG) and European Society for Neurogastroenterology and Motility (ESNM) consensus on functional dyspepsia. Neurogastroenterology and Motility, 2021, 33, e14238.	3.0	21
12	Gastric <i>Helicobacter suis</i> Infection Partially Protects against Neurotoxicity in A 6-OHDA Parkinsonâ€™s Disease Mouse Model. International Journal of Molecular Sciences, 2021, 22, 11328.	4.1	2
13	Effects of intestinal alkaline phosphatase on intestinal barrier function in a cecal ligation and puncture (CLP)-induced mouse model for sepsis. Neurogastroenterology and Motility, 2020, 32, e13754.	3.0	14
14	Mo1571 INTRARECTAL ADMINISTRATION OF A TRPV4 ANTAGONIST IMPROVES POST-INFLAMMATORY VISCERAL HYPERSENSITIVITY IN A RAT MODEL FOR IRRITABLE BOWEL SYNDROME. Gastroenterology, 2020, 158, S-900.	1.3	0
15	Su1367 EXHALED 13C DURING A 13C-UREA BREATH TEST FOR THE PREOPERATIVE DETECTION OF <i>HELICOBACTER PYLORI</i> IS A MARKER FOR POSTOPERATIVE WEIGHT LOSS AFTER BARIATRIC SURGERY.. Gastroenterology, 2020, 158, S-567.	1.3	0
16	P1611PRE-ANALYTICAL CONSIDERATIONS IN STUDYING CIRCULATING MICRORNA EXPRESSION: COMPARISON BETWEEN PAIRED EDTA PLASMA, EDTA WHOLE BLOOD AND PAXGENE BLOOD RNA TUBES. Nephrology Dialysis Transplantation, 2020, 35, .	0.7	0
17	Distinct transcriptome signatures of <i>Helicobacter suis</i> and <i>Helicobacter heilmannii</i> strains upon adherence to human gastric epithelial cells. Veterinary Research, 2020, 51, 62.	3.0	3
18	Rhesus macaques are most likely the ancestral source of <i>Helicobacter suis</i> infection in pigs and not cynomolgus macaques. Helicobacter, 2020, 25, e12689.	3.5	1

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19	394 RESOLVIN D2 REVERSES VISCERAL HYPERSENSITIVITY IN A POSTINFLAMMATORY RAT MODEL FOR IRRITABLE BOWEL SYDNROME. <i>Gastroenterology</i> , 2020, 158, S-71-S-72.	1.3	0
20	895 REDUCTION OF INTRAPERITONEAL ADHESIOGENESIS BY PROTEASE INHIBITORS IN A CECAL LIGATION AND PUNCTURE MODEL OF SEPSIS AND PERITONITIS.. <i>Gastroenterology</i> , 2020, 158, S-1537.	1.3	0
21	Antimicrobial Susceptibility Pattern of <i>Helicobacter heilmannii</i> and <i>Helicobacter ailurogastricus</i> Isolates. <i>Microorganisms</i> , 2020, 8, 957.	3.6	15
22	Su1102 EXPLORING THE MOLECULAR SIGNALING PATHWAYS OF MUC1 AND MUC13 IN INTESTINAL EPITHELIAL CELLS DURING INFLAMMATION IN VITRO: IMPORTANT MEDIATORS OF INTESTINAL BARRIER INTEGRITY?. <i>Gastroenterology</i> , 2020, 158, S-509.	1.3	0
23	Systematic review: gastric microbiota in health and disease. <i>Alimentary Pharmacology and Therapeutics</i> , 2020, 51, 582-602.	3.7	113
24	In-Depth Study of Transmembrane Mucins in Association with Intestinal Barrier Dysfunction During the Course of T Cell Transfer and DSS-Induced Colitis. <i>Journal of Crohn's and Colitis</i> , 2020, 14, 974-994.	1.3	31
25	<i>Helicobacter</i> and the Potential Role in Neurological Disorders: There Is More Than <i>Helicobacter pylori</i> . <i>Frontiers in Immunology</i> , 2020, 11, 584165.	4.8	19
26	Review: Other <i>Helicobacter</i> species. <i>Helicobacter</i> , 2020, 25, e12744.	3.5	22
27	Review: Other <i>Helicobacter</i> species. <i>Helicobacter</i> , 2019, 24, e12645.	3.5	23
28	Su1020 " Nafamostat Mesylate, a Broad Spectrum Serine Protease Inhibitor, Reduces Intraperitoneal Adhesion Formation in a Murine Caecal Ligation and Puncture Model for Sepsis. <i>Gastroenterology</i> , 2019, 156, S-487-S-488.	1.3	0
29	P097 Intestinal barrier dysfunction in association with fibrosis during experimental acute and chronic colitis in mice. <i>Journal of Crohn's and Colitis</i> , 2019, 13, S134-S136.	1.3	1
30	103 " Beneficial Effects of a Locally Administered Serine Protease Inhibitor in a Post-Inflammatory Rat Model for Irritable Bowel Syndrome. <i>Gastroenterology</i> , 2019, 156, S-25-S-26.	1.3	0
31	<i>Helicobacter suis</i> infection alters glycosylation and decreases the pathogen growth inhibiting effect and binding avidity of gastric mucins. <i>Mucosal Immunology</i> , 2019, 12, 784-794.	6.0	22
32	Isolation and Characterization of Clinical RSV Isolates in Belgium during the Winters of 2016"2018. <i>Viruses</i> , 2019, 11, 1031.	3.3	8
33	Presence of <i>Helicobacter</i> and <i>Campylobacter</i> species in faecal samples from zoo mammals. <i>Veterinary Microbiology</i> , 2018, 219, 49-52.	1.9	13
34	<i>Helicobacter suis</i> binding to carbohydrates on human and porcine gastric mucins and glycolipids occurs via two modes. <i>Virulence</i> , 2018, 9, 898-918.	4.4	29
35	The choroid plexus epithelium as a novel player in the stomach-brain axis during <i>Helicobacter</i> infection. <i>Brain, Behavior, and Immunity</i> , 2018, 69, 35-47.	4.1	28
36	Effect of residual doxycycline concentrations on resistance selection and transfer in porcine commensal <i>Escherichia coli</i> . <i>International Journal of Antimicrobial Agents</i> , 2018, 51, 123-127.	2.5	13

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37	Evidence for a primate origin of zoonotic <i>Helicobacter suis</i> colonizing domesticated pigs. ISME Journal, 2018, 12, 77-86.	9.8	26
38	In silico proteomic and phylogenetic analysis of the outer membrane protein repertoire of gastric <i>Helicobacter</i> species. Scientific Reports, 2018, 8, 15453.	3.3	22
39	Macroevolution of gastric <i>Helicobacter</i> species unveils interspecies admixture and time of divergence. ISME Journal, 2018, 12, 2518-2531.	9.8	35
40	Presence of gastric <i>Helicobacter</i> species in children suffering from gastric disorders in Southern Turkey. <i>Helicobacter</i> , 2018, 23, e12511.	3.5	22
41	Sa1172 - Effects of the Non-Selective Protease Inhibitor Nafamostat Mesylate on Intestinal Permeability and Bacterial Translocation in a Murine Model of Sepsis. <i>Gastroenterology</i> , 2018, 154, S-267-S-268.	1.3	0
42	The effect of a commercial competitive exclusion product on the selection of enrofloxacin resistance in commensal <i>E. coli</i> in broilers. <i>Avian Pathology</i> , 2018, 47, 443-454.	2.0	10
43	Nosocomial Intravascular Catheter Infections with Extended-spectrum Beta-lactamase-producing <i>Escherichia coli</i> in Calves after Strain Introduction from a Commercial Herd. <i>Transboundary and Emerging Diseases</i> , 2017, 64, 130-136.	3.0	8
44	Species-specific immunity to <i>Helicobacter suis</i> . <i>Helicobacter</i> , 2017, 22, e12375.	3.5	12
45	Studying the effect of administration route and treatment dose on the selection of enrofloxacin resistance in commensal <i>Escherichia coli</i> in broilers. <i>Journal of Antimicrobial Chemotherapy</i> , 2017, 72, 1991-2001.	3.0	20
46	A novel isolation protocol and probe-based RT-PCR for diagnosis of gastric infections with the zoonotic pathogen <i>Helicobacter suis</i> . <i>Helicobacter</i> , 2017, 22, e12369.	3.5	14
47	Selection and transfer of an Inc11-tet(A) plasmid of <i>Escherichia coli</i> in an ex vivo model of the porcine caecum at doxycycline concentrations caused by crosscontaminated feed. <i>Journal of Applied Microbiology</i> , 2017, 123, 1312-1320.	3.1	5
48	<i>Helicobacter suis</i> induces changes in gastric inflammation and acid secretion markers in pigs of different ages. <i>Veterinary Research</i> , 2017, 48, 34.	3.0	32
49	Detection, isolation and characterization of <i>Fusobacterium gastrois</i> sp. nov. colonizing the stomach of pigs. <i>Systematic and Applied Microbiology</i> , 2017, 40, 42-50.	2.8	40
50	Comparative virulence of in vitro cultured primate and pig-associated <i>Helicobacter suis</i> strains in a BALB/c mouse and a Mongolian gerbil model. <i>Helicobacter</i> , 2017, 22, e12349.	3.5	9
51	A Potential New Human Pathogen Belonging to <i>Helicobacter</i> Genus, Identified in a Bloodstream Infection. <i>Frontiers in Microbiology</i> , 2017, 8, 2533.	3.5	10
52	The <i>Helicobacter heilmannii</i> hofE and hofF Genes are Essential for Colonization of the Gastric Mucosa and Play a Role in IL-1 β -Induced Gastric MUC13 Expression. <i>Helicobacter</i> , 2016, 21, 504-522.	3.5	14
53	Residues of chlortetracycline, doxycycline and sulfadiazine-trimethoprim in intestinal content and feces of pigs due to cross-contamination of feed. <i>BMC Veterinary Research</i> , 2016, 12, 209.	1.9	24
54	Oral glutathione supplementation drastically reduces <i>Helicobacter</i> -induced gastric pathologies. <i>Scientific Reports</i> , 2016, 6, 20169.	3.3	20

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55	Non- <i>Helicobacter pylori</i> <i>Helicobacter</i> Infections in Humans and Animals. , 2016, , 233-269.		10
56	Other <i>Helicobacters</i> and gastric microbiota. <i>Helicobacter</i> , 2016, 21, 62-68.	3.5	24
57	<i>Helicobacter suis</i> affects the health and function of porcine gastric parietal cells. <i>Veterinary Research</i> , 2016, 47, 101.	3.0	11
58	Risk of cross-contamination due to the use of antimicrobial medicated feed throughout the trail of feed from the feed mill to the farm. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2016, 33, 1-12.	2.3	10
59	Presence of antimicrobial resistance in coliform bacteria from hatching broiler eggs with emphasis on ESBL/AmpC-producing bacteria. <i>Avian Pathology</i> , 2016, 45, 493-500.	2.0	25
60	Divergence between the Highly Virulent Zoonotic Pathogen <i>Helicobacter heilmannii</i> and Its Closest Relative, the Low-Virulence <i>Helicobacter ailurogastricus</i> sp. nov. <i>Infection and Immunity</i> , 2016, 84, 293-306.	2.2	37
61	Presence and significance of <i>Helicobacter</i> spp. in the gastric mucosa of Portuguese dogs. <i>Gut Pathogens</i> , 2015, 7, 12.	3.4	35
62	Extended spectrum β -lactamase producing <i>Escherichia coli</i> in broiler breeding roosters: Presence in the reproductive tract and effect on sperm motility. <i>Animal Reproduction Science</i> , 2015, 159, 205-211.	1.5	6
63	Role of β -glutamyltranspeptidase in the pathogenesis of <i>Helicobacter suis</i> and <i>Helicobacter pylori</i> infections. <i>Veterinary Research</i> , 2015, 46, 31.	3.0	21
64	Purification of <i>Helicobacter suis</i> Strains From Biphasic Cultures by Single Colony Isolation: Influence on Strain Characteristics. <i>Helicobacter</i> , 2015, 20, 206-216.	3.5	10
65	Effect of Different Adjuvants on Protection and Side-Effects Induced by <i>Helicobacter suis</i> Whole-Cell Lysate Vaccination. <i>PLoS ONE</i> , 2015, 10, e0131364.	2.5	11
66	Presence of <i>Helicobacter suis</i> on pork carcasses. <i>International Journal of Food Microbiology</i> , 2014, 187, 73-76.	4.7	19
67	Development of New PCR Primers by Comparative Genomics for the Detection of <i>Helicobacter suis</i> in Gastric Biopsy Specimens. <i>Helicobacter</i> , 2014, 19, 260-271.	3.5	19
68	A comparison of <i>Helicobacter pylori</i> and non- <i>Helicobacter pylori</i> <i>Helicobacter</i> spp. Binding to Canine Gastric Mucosa with Defined Gastric Glycophenotype. <i>Helicobacter</i> , 2014, 19, 249-259.	3.5	16
69	<i>Acinetobacter gandensis</i> sp. nov. isolated from horse and cattle. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2014, 64, 4007-4015.	1.7	31
70	Diversity of zoonotic enterohepatic <i>Helicobacter</i> species and detection of a putative novel gastric <i>Helicobacter</i> species in wild and wild-born captive chimpanzees and western lowland gorillas. <i>Veterinary Microbiology</i> , 2014, 174, 186-194.	1.9	14
71	Gastric <i>De Novo</i> Muc13 Expression and Spasmolytic Polypeptide-Expressing Metaplasia during <i>Helicobacter heilmannii</i> Infection. <i>Infection and Immunity</i> , 2014, 82, 3227-3239.	2.2	20
72	Antimicrobial susceptibility of <i>Salmonella</i> isolates from healthy pigs and chickens (2008-2011). <i>Veterinary Microbiology</i> , 2014, 171, 298-306.	1.9	41

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73	New broad-spectrum β -lactamases emerging among Enterobacteriaceae from healthy cats and dogs: A public health concern?. International Journal of Antimicrobial Agents, 2014, 44, 81-82.	2.5	5
74	Diversity in bacterium-host interactions within the species <i>Helicobacter heilmannii</i> sensu stricto. Veterinary Research, 2013, 44, 65.	3.0	20
75	Survival of <i>Helicobacter suis</i> bacteria in retail pig meat. International Journal of Food Microbiology, 2013, 166, 164-167.	4.7	38
76	Methicillin resistant staphylococci and broad-spectrum β -lactamase producing Enterobacteriaceae in horses. Veterinary Microbiology, 2013, 167, 67-77.	1.9	5
77	Genome Sequence of <i>Helicobacter heilmannii</i> Sensu Stricto ASB1 Isolated from the Gastric Mucosa of a Kitten with Severe Gastritis. Genome Announcements, 2013, 1, .	0.8	19
78	Case Report: <i>Helicobacter suis</i> Infection in a Pig Veterinarian. Helicobacter, 2013, 18, 392-396.	3.5	36
79	Significantly higher frequency of <i>Helicobacter suis</i> in patients with idiopathic parkinsonism than in control patients. Alimentary Pharmacology and Therapeutics, 2013, 38, 1347-1353.	3.7	54
80	Gastric and Enterohepatic Non- <i>Helicobacter pylori</i> Helicobacters. Helicobacter, 2013, 18, 66-72.	3.5	28
81	Multilocus Sequence Typing of the Porcine and Human Gastric Pathogen <i>Helicobacter suis</i> . Journal of Clinical Microbiology, 2013, 51, 920-926.	3.9	27
82	Effects of <i>Helicobacter suis</i> β -Glutamyl Transpeptidase on Lymphocytes: Modulation by Glutamine and Glutathione Supplementation and Outer Membrane Vesicles as a Putative Delivery Route of the Enzyme. PLoS ONE, 2013, 8, e77966.	2.5	26
83	OXA-23-producing <i>Acinetobacter</i> species from horses: a public health hazard?. Journal of Antimicrobial Chemotherapy, 2012, 67, 3009-3010.	3.0	58
84	<i>Helicobacter heilmannii</i> sp. nov., isolated from feline gastric mucosa. International Journal of Systematic and Evolutionary Microbiology, 2012, 62, 299-306.	1.7	51
85	Emergence of CTX-M-2-producing <i>Escherichia coli</i> in diseased horses: evidence of genetic exchanges of blaCTX-M-2 linked to ISCR1. Journal of Antimicrobial Chemotherapy, 2012, 67, 1289-1291.	3.0	20
86	Immunization with the immunodominant <i>Helicobacter suis</i> urease subunit B induces partial protection against <i>H. suis</i> infection in a mouse model. Veterinary Research, 2012, 43, 72.	3.0	11
87	The local immune response of mice after <i>Helicobacter suis</i> infection: strain differences and distinction with <i>Helicobacter pylori</i> . Veterinary Research, 2012, 43, 75.	3.0	39
88	Antimicrobial use in Belgian broiler production. Preventive Veterinary Medicine, 2012, 105, 320-325.	1.9	94
89	<i>Helicobacter heilmannii</i> sp. nov., isolated from feline gastric mucosa. International Journal of Systematic and Evolutionary Microbiology, 2012, 62, 1016-1016.	1.7	3
90	The Importance of Sample Size in the Determination of a Flock-Level Antimicrobial Resistance Profile for <i>Escherichia coli</i> in Broilers. Microbial Drug Resistance, 2011, 17, 513-519.	2.0	22

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91	Gastric epithelial cell death caused by <i>Helicobacter suis</i> and <i>Helicobacter pylori</i> β -glutamyl transpeptidase is mainly glutathione degradation-dependent. <i>Cellular Microbiology</i> , 2011, 13, 1933-1955.	2.1	57
92	In situ ESBL conjugation from avian to human <i>Escherichia coli</i> during cefotaxime administration. <i>Journal of Applied Microbiology</i> , 2011, 110, 541-549.	3.1	70
93	Genome sequence of <i>Helicobacter suis</i> supports its role in gastric pathology. <i>Veterinary Research</i> , 2011, 42, 51.	3.0	52
94	Non- <i>Helicobacter pylori</i> <i>Helicobacter</i> Species in the Human Gastric Mucosa: A Proposal to Introduce the Terms <i>H.Âheilmannii</i> Sensu Lato and Sensu Stricto. <i>Helicobacter</i> , 2011, 16, 339-340.	3.5	52
95	The Other <i>Helicobacters</i> . <i>Helicobacter</i> , 2011, 16, 70-75.	3.5	11
96	Risk factors for ceftiofur resistance in <i>Escherichia coli</i> from Belgian broilers. <i>Epidemiology and Infection</i> , 2011, 139, 765-771.	2.1	79
97	Presence of extended-spectrum β -lactamase-producing <i>Escherichia coli</i> in wild geese. <i>Journal of Antimicrobial Chemotherapy</i> , 2011, 66, 1643-1644.	3.0	10
98	Broad-spectrum β -lactamases among <i>Enterobacteriaceae</i> of animal origin: molecular aspects, mobility and impact on public health. <i>FEMS Microbiology Reviews</i> , 2010, 34, 295-316.	8.6	190
99	Complete Nucleotide Sequence of CTX-M-15-Plasmids from Clinical <i>Escherichia coli</i> Isolates: Insertional Events of Transposons and Insertion Sequences. <i>PLoS ONE</i> , 2010, 5, e11202.	2.5	101
100	<i>Helicobacter suis</i> Causes Severe Gastric Pathology in Mouse and Mongolian Gerbil Models of Human Gastric Disease. <i>PLoS ONE</i> , 2010, 5, e14083.	2.5	51
101	Characterization of Extended-Spectrum β -Lactamases Produced by <i>Escherichia coli</i> Isolated from Hospitalized and Nonhospitalized Patients: Emergence of CTX-M-15-Producing Strains Causing Urinary Tract Infections. <i>Microbial Drug Resistance</i> , 2010, 16, 129-134.	2.0	78
102	Prevalence and Persistence of Antimicrobial Resistance in Broiler Indicator Bacteria. <i>Microbial Drug Resistance</i> , 2010, 16, 67-74.	2.0	42
103	Comparative analysis of extended-spectrum- β -lactamase-carrying plasmids from different members of <i>Enterobacteriaceae</i> isolated from poultry, pigs and humans: evidence for a shared β -lactam resistance gene pool?. <i>Journal of Antimicrobial Chemotherapy</i> , 2009, 63, 1286-1288.	3.0	33
104	IncK plasmid-mediated tetracycline resistance in <i>Edwardsiella ictaluri</i> isolates from diseased freshwater catfish in Vietnam. <i>Aquaculture</i> , 2009, 295, 157-159.	3.5	26
105	Diversity of Extended-Spectrum β -Lactamases and Class C β -Lactamases among Cloacal <i>Escherichia coli</i> Isolates in Belgian Broiler Farms. <i>Antimicrobial Agents and Chemotherapy</i> , 2008, 52, 1238-1243.	3.2	197
106	The F18 fimbrial adhesin FedF is highly conserved among F18 isolates. <i>Veterinary Microbiology</i> , 2005, 110, 277-283.	1.9	19