

Christel Neut

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

120 papers	7,333 citations	38 h-index	84 g-index
131 ext. papers	8,376 ext. citations	6.7 avg, IF	5.2 L-index

#	Paper	IF	Citations
120	High prevalence of adherent-invasive Escherichia coli associated with ileal mucosa in Crohn's disease. <i>Gastroenterology</i> , 2004 , 127, 412-21	13.3	1104
119	Presence of adherent Escherichia coli strains in ileal mucosa of patients with Crohn's disease. <i>Gastroenterology</i> , 1998 , 115, 1405-13	13.3	640
118	Lactobacillus acidophilus modulates intestinal pain and induces opioid and cannabinoid receptors. <i>Nature Medicine</i> , 2007 , 13, 35-7	50.5	612
117	Dysbiosis in inflammatory bowel disease. <i>Gut</i> , 2004 , 53, 1-4	19.2	490
116	The capacity of nondigestible carbohydrates to stimulate fecal bifidobacteria in healthy humans: a double-blind, randomized, placebo-controlled, parallel-group, dose-response relation study. <i>American Journal of Clinical Nutrition</i> , 2004 , 80, 1658-64	7	301
115	Changes in the bacterial flora of the neoterminal ileum after ileocolonic resection for Crohn's disease. <i>American Journal of Gastroenterology</i> , 2002 , 97, 939-46	0.7	226
114	Bacteriome and Mycobiome Interactions Underscore Microbial Dysbiosis in Familial Crohn's Disease. <i>MBio</i> , 2016 , 7,	7.8	218
113	Crohn disease--associated adherent-invasive E. coli bacteria target mouse and human Peyer's patches via long polar fimbriae. <i>Journal of Clinical Investigation</i> , 2011 , 121, 966-75	15.9	181
112	Mesenteric fat as a source of C reactive protein and as a target for bacterial translocation in Crohn's disease. <i>Gut</i> , 2012 , 61, 78-85	19.2	171
111	Fecal beta-D-galactosidase production and Bifidobacteria are decreased in Crohn's disease. <i>Digestive Diseases and Sciences</i> , 1997 , 42, 817-22	4	171
110	Mesenteric fat in Crohn's disease: a pathogenetic hallmark or an innocent bystander?. <i>Gut</i> , 2007 , 56, 577-83	19.2	160
109	Candida albicans colonization and ASCA in familial Crohn's disease. <i>American Journal of Gastroenterology</i> , 2009 , 104, 1745-53	0.7	138
108	Complete genome sequence of Crohn's disease-associated adherent-invasive E. coli strain LF82. <i>PLoS ONE</i> , 2010 , 5, e12714	3.7	117
107	Molecular inventory of faecal microflora in patients with Crohn's disease. <i>FEMS Microbiology Ecology</i> , 2004 , 50, 25-36	4.3	113
106	Point mutations in FimH adhesin of Crohn's disease-associated adherent-invasive Escherichia coli enhance intestinal inflammatory response. <i>PLoS Pathogens</i> , 2013 , 9, e1003141	7.6	108
105	Treatment of diversion colitis by short-chain fatty acids. Prospective and double-blind study. <i>Diseases of the Colon and Rectum</i> , 1991 , 34, 861-4	3.1	106
104	Prolonged local antibiotics delivery from hydroxyapatite functionalised with cyclodextrin polymers. <i>Biomaterials</i> , 2009 , 30, 6086-93	15.6	95

103	Phenotypic differentiation of bifidobacteria of human and animal origins. <i>International Journal of Systematic Bacteriology</i> , 1991 , 41, 548-57		83
102	Genetically related <i>Escherichia coli</i> strains associated with Crohn's disease. <i>Gut</i> , 2001 , 48, 320-5	19.2	77
101	Prospective, randomized, parallel-group trial to evaluate the effects of lactulose and polyethylene glycol-4000 on colonic flora in chronic idiopathic constipation. <i>Alimentary Pharmacology and Therapeutics</i> , 2004 , 19, 889-99	6.1	76
100	Bacteriophages Targeting Adherent Invasive <i>Escherichia coli</i> Strains as a Promising New Treatment for Crohn's Disease. <i>Journal of Crohn's and Colitis</i> , 2017 , 11, 840-847	1.5	65
99	Aluminum enhances inflammation and decreases mucosal healing in experimental colitis in mice. <i>Mucosal Immunology</i> , 2014 , 7, 589-601	9.2	63
98	A randomized clinical trial of <i>Saccharomyces cerevisiae</i> versus placebo in the irritable bowel syndrome. <i>Digestive and Liver Disease</i> , 2015 , 47, 119-24	3.3	62
97	Rosmarinic Acid and Its Methyl Ester as Antimicrobial Components of the Hydromethanolic Extract of <i>Hyptis atrorubens</i> Poit. (Lamiaceae). <i>Evidence-based Complementary and Alternative Medicine</i> , 2013 , 2013, 604536	2.3	61
96	Enteric Delivery of Regenerating Family Member 3 alpha Alters the Intestinal Microbiota and Controls Inflammation in Mice With Colitis. <i>Gastroenterology</i> , 2018 , 154, 1009-1023.e14	13.3	60
95	Antibacterial activation of hydroxyapatite (HA) with controlled porosity by different antibiotics. <i>New Biotechnology</i> , 2007 , 24, 510-4		59
94	Cyclodextrin and maltodextrin finishing of a polypropylene abdominal wall implant for the prolonged delivery of ciprofloxacin. <i>Acta Biomaterialia</i> , 2011 , 7, 3141-9	10.8	58
93	Impact of a resistant dextrin on intestinal ecology: how altering the digestive ecosystem with NUTRIOSE [®] , a soluble fibre with prebiotic properties, may be beneficial for health. <i>Journal of International Medical Research</i> , 2012 , 40, 211-24	1.4	49
92	Polyester vascular prostheses coated with a cyclodextrin polymer and activated with antibiotics: cytotoxicity and microbiological evaluation. <i>Acta Biomaterialia</i> , 2008 , 4, 1725-33	10.8	49
91	Bacterial microleakage of Cavit, IRM, and TERM. <i>Oral Surgery, Oral Medicine, and Oral Pathology</i> , 1992 , 74, 634-43		49
90	In situ forming implants for periodontitis treatment with improved adhesive properties. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2014 , 88, 342-50	5.7	45
89	Novel polymeric film coatings for colon targeting: Drug release from coated pellets. <i>European Journal of Pharmaceutical Sciences</i> , 2009 , 37, 427-33	5.1	44
88	Chemical extraction versus direct smear for MALDI-TOF mass spectrometry identification of anaerobic bacteria. <i>Anaerobe</i> , 2012 , 18, 294-7	2.8	41
87	Methyl-β-cyclodextrin modified vascular prosthesis: Influence of the modification level on the drug delivery properties in different media. <i>Acta Biomaterialia</i> , 2011 , 7, 304-14	10.8	39
86	Characterization of human intestinal bifidobacteria using competitive PCR and PCR-TTGE. <i>FEMS Microbiology Ecology</i> , 2006 , 55, 28-37	4.3	39

85	Bacterial enzymes used for colon-specific drug delivery are decreased in active Crohn's disease. <i>Digestive Diseases and Sciences</i> , 1995 , 40, 2641-6	4	39
84	Preparation and characterization of novel chitosan and cyclodextrin polymer sponges for wound dressing applications. <i>Carbohydrate Polymers</i> , 2017 , 173, 535-546	10.3	38
83	Antibiotic susceptibility of probiotic strains: Is it reasonable to combine probiotics with antibiotics?. <i>Médecine Et Maladies Infectieuses</i> , 2017 , 47, 477-483	4	38
82	Bacterial microleakage of Cavit, IRM, TERM, and Fermit: a 21-day in vitro study. <i>Journal of Endodontics</i> , 1999 , 25, 653-9	4.7	34
81	Phenotypic and genomic analyses of human strains belonging or related to <i>Bifidobacterium longum</i> , <i>Bifidobacterium infantis</i> , and <i>Bifidobacterium breve</i> . <i>International Journal of Systematic Bacteriology</i> , 1993 , 43, 565-73		34
80	Comparative study of vascular prostheses coated with polycyclodextrins for controlled ciprofloxacin release. <i>Carbohydrate Polymers</i> , 2012 , 90, 1695-703	10.3	33
79	Delivery of a mucin domain enriched in cysteine residues strengthens the intestinal mucous barrier. <i>Scientific Reports</i> , 2015 , 5, 9577	4.9	32
78	Nitrate-reducing bacteria in diversion colitis: a clue to inflammation?. <i>Digestive Diseases and Sciences</i> , 1997 , 42, 2577-80	4	32
77	Functionalization of PVDF membranes with carbohydrate derivatives for the controlled delivery of chlorhexidin. <i>New Biotechnology</i> , 2007 , 24, 472-6		32
76	Triclosan loaded electrospun nanofibers based on a cyclodextrin polymer and chitosan polyelectrolyte complex. <i>International Journal of Pharmaceutics</i> , 2016 , 513, 483-495	6.5	32
75	In vivo efficacy of microbiota-sensitive coatings for colon targeting: a promising tool for IBD therapy. <i>Journal of Controlled Release</i> , 2015 , 197, 121-30	11.7	31
74	GipA Factor Supports Colonization of Peyer's Patches by Crohn's Disease-associated <i>Escherichia Coli</i> . <i>Inflammatory Bowel Diseases</i> , 2016 , 22, 68-81	4.5	30
73	Antimycobacterial therapy in Crohn's disease: game over?. <i>Gastroenterology</i> , 2007 , 132, 2594-8	13.3	30
72	Role of the high affinity immunoglobulin E receptor in bacterial translocation and intestinal inflammation. <i>Journal of Experimental Medicine</i> , 2001 , 193, 25-34	16.6	30
71	A colony immunoblotting method for quantitative detection of a <i>Bifidobacterium animalis</i> probiotic strain in human faeces. <i>Journal of Applied Microbiology</i> , 2000 , 88, 1019-27	4.7	30
70	Evaluation of antibacterial textile covered by layer-by-layer coating and loaded with chlorhexidine for wound dressing application. <i>Materials Science and Engineering C</i> , 2019 , 100, 554-563	8.3	29
69	In-situ forming composite implants for periodontitis treatment: How the formulation determines system performance. <i>International Journal of Pharmaceutics</i> , 2015 , 486, 38-51	6.5	29
68	AIEC colonization and pathogenicity: influence of previous antibiotic treatment and preexisting inflammation. <i>Inflammatory Bowel Diseases</i> , 2012 , 18, 1923-31	4.5	28

67	Anticoagulant and antimicrobial finishing of non-woven polypropylene textiles. <i>Biomedical Materials (Bristol)</i> , 2012 , 7, 035001	3.5	28
66	Mechanistic analysis of PLGA/HPMC-based in-situ forming implants for periodontitis treatment. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2015 , 94, 273-83	5.7	27
65	Colon targeting with bacteria-sensitive films adapted to the disease state. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2009 , 73, 74-81	5.7	27
64	Chitosan finishing nonwoven textiles loaded with silver and iodide for antibacterial wound dressing applications. <i>Biomedical Materials (Bristol)</i> , 2015 , 10, 015023	3.5	25
63	Safety, healing, and efficacy of vascular prostheses coated with hydroxypropyl-βcyclodextrin polymer: experimental in vitro and animal studies. <i>European Journal of Vascular and Endovascular Surgery</i> , 2012 , 43, 188-97	2.3	25
62	A chlorhexidine-loaded biodegradable cellulosic device for periodontal pockets treatment. <i>Acta Biomaterialia</i> , 2014 , 10, 318-29	10.8	24
61	Colonic inflammation in mice is improved by cigarette smoke through iNKT cells recruitment. <i>PLoS ONE</i> , 2013 , 8, e62208	3.7	24
60	Anti-anaerobic activity of a new βlactamase inhibitor NXL104 in combination with βlactams and metronidazole. <i>International Journal of Antimicrobial Agents</i> , 2012 , 39, 500-4	14.3	23
59	Phenolic Compounds from as Natural Antimicrobial Products: New Weapons in the Fight against Methicillin Resistant , and Strains. <i>Molecules</i> , 2019 , 24,	4.8	22
58	Evaluation of sorption capacity of antibiotics and antibacterial properties of a cyclodextrin-polymer functionalized hydroxyapatite-coated titanium hip prosthesis. <i>International Journal of Pharmaceutics</i> , 2014 , 477, 380-9	6.5	22
57	Antimicrobial activity of selected Iranian medicinal plants against a broad spectrum of pathogenic and drug multiresistant micro-organisms. <i>Letters in Applied Microbiology</i> , 2014 , 59, 412-21	2.9	22
56	Novel polymeric film coatings for colon targeting: how to adjust desired membrane properties. <i>International Journal of Pharmaceutics</i> , 2009 , 371, 64-70	6.5	22
55	Antimicrobial prenylated benzoylphloroglucinol derivatives and xanthenes from the leaves of <i>Garcinia goudotiana</i> . <i>Phytochemistry</i> , 2014 , 102, 162-8	4	21
54	First report of the predominance of clonal complex 398 <i>Staphylococcus aureus</i> strains in osteomyelitis complicating diabetic foot ulcers: a national French study. <i>Clinical Microbiology and Infection</i> , 2014 , 20, O274-7	9.5	21
53	Layer-by-layer coating of textile with two oppositely charged cyclodextrin polyelectrolytes for extended drug delivery. <i>Journal of Biomedical Materials Research - Part A</i> , 2016 , 104, 1408-24	5.4	21
52	In vitro effects of titanium powder on oral bacteria. <i>Biomaterials</i> , 1992 , 13, 25-7	15.6	20
51	Build-up of an antimicrobial multilayer coating on a textile support based on a methylene blue-poly(cyclodextrin) complex. <i>Biomedical Materials (Bristol)</i> , 2013 , 8, 065006	3.5	19
50	In vitro study of a HPEcyclodextrin grafted PET vascular prosthesis for application as anti-infectious drug delivery system. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2007 , 57, 675-681		19

49	In vitro evaluation of drug release and antibacterial activity of a silver-loaded wound dressing coated with a multilayer system. <i>International Journal of Pharmaceutics</i> , 2019 , 556, 301-310	6.5	19
48	Cyclodextrin modified PLLA parietal reinforcement implant with prolonged antibacterial activity. <i>Acta Biomaterialia</i> , 2017 , 53, 222-232	10.8	18
47	Dyeing and antibacterial activation with methylene blue of a cyclodextrin modified polyester vascular graft. <i>Journal of Biomedical Materials Research - Part A</i> , 2014 , 102, 2942-51	5.4	18
46	How to easily provide zero order release of freely soluble drugs from coated pellets. <i>International Journal of Pharmaceutics</i> , 2015 , 478, 31-38	6.5	17
45	Antimicrobial citric acid/poly(vinyl alcohol) crosslinked films: Effect of cyclodextrin and sodium benzoate on the antimicrobial activity. <i>LWT - Food Science and Technology</i> , 2016 , 68, 27-35	5.4	17
44	Impact and consequences of intensive chemotherapy on intestinal barrier and microbiota in acute myeloid leukemia: the role of mucosal strengthening. <i>Gut Microbes</i> , 2020 , 12, 1800897	8.8	17
43	Chemical composition of the essential oil from Algerian <i>Genista quadriflora</i> Munby and determination of its antibacterial and antifungal activities. <i>Industrial Crops and Products</i> , 2016 , 90, 87-93	5.9	16
42	Antibacterial functionalization of an experimental self-etching primer by inorganic agents: microbiological and biocompatibility evaluations. <i>New Biotechnology</i> , 2007 , 24, 483-8		15
41	Enzymatically degraded Eurylon 6 HP-PG: ethylcellulose film coatings for colon targeting in inflammatory bowel disease patients. <i>Journal of Pharmacy and Pharmacology</i> , 2010 , 62, 1676-84	4.8	14
40	<i>Escherichia coli</i> LF82 differentially regulates ROS production and mucin expression in intestinal epithelial T84 cells: implication of NOX1. <i>Inflammatory Bowel Diseases</i> , 2015 , 21, 1018-26	4.5	13
39	Peas starch-based film coatings for site-specific drug delivery to the colon. <i>Journal of Applied Polymer Science</i> , 2011 , 119, 1176-1184	2.9	13
38	An ecological approach to discover new bioactive extracts and products: the case of extremophile plants. <i>Journal of Pharmacy and Pharmacology</i> , 2017 , 69, 1041-1055	4.8	12
37	Evaluation of the anti-infectious properties of polyester vascular prostheses functionalised with cyclodextrin. <i>Journal of Infection</i> , 2014 , 68, 116-24	18.9	12
36	Characterization of ethylcellulose: starch-based film coatings for colon targeting. <i>Drug Development and Industrial Pharmacy</i> , 2009 , 35, 1190-200	3.6	12
35	Effect of Exposure to Air on 84 strains of <i>Bifidobacteria</i> . <i>Anaerobe</i> , 2000 , 6, 65-67	2.8	11
34	Plant therapy in the Peruvian Amazon (Loreto) in case of infectious diseases and its antimicrobial evaluation. <i>Journal of Ethnopharmacology</i> , 2020 , 249, 112411	5	11
33	Controlled delivery of a new broad spectrum antibacterial agent against colitis: In vitro and in vivo performance. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2015 , 96, 152-61	5.7	10
32	Simultaneous immobilization of heparin and gentamicin on polypropylene textiles: a dual therapeutic activity. <i>Journal of Biomedical Materials Research - Part A</i> , 2014 , 102, 3846-54	5.4	10

31	Antiproliferative and Antibacterial Activities of from Tunisia. <i>Evidence-based Complementary and Alternative Medicine</i> , 2017 , 2017, 7247016	2.3	8
30	Infectious agents and Crohn's disease. <i>Clinical Microbiology and Infection</i> , 1999 , 5, 601-4	9.5	8
29	In vitro survival of <i>Bacteroides intermedius</i> in five transport media, alone or in the presence of <i>Streptococcus sanguis</i> . <i>Oral Microbiology and Immunology</i> , 1990 , 5, 320-3		8
28	In vitro Antimicrobial Activity of Traditional Plant Used in Mestizo Shamanism from the Peruvian Amazon in Case of Infectious Diseases. <i>Pharmacognosy Magazine</i> , 2015 , 11, S625-33	0.8	8
27	Assessment of Pb(II), Cd(II), and Al(III) Removal Capacity of Bacteria from Food and Gut Ecological Niches: Insights into Biodiversity to Limit Intestinal Bioavailability of Toxic Metals. <i>Microorganisms</i> , 2021 , 9,	4.9	8
26	Chemical Composition and Antimicrobial Activity of the Essential Oil from Aerial Parts and Roots of <i>Eryngium barrelieri</i> Boiss. and <i>Eryngium glomeratum</i> Lam. from Tunisia. <i>Chemistry and Biodiversity</i> , 2016 , 13, 1720-1729	2.5	7
25	High carriage of adherent invasive in wildlife and healthy individuals. <i>Gut Pathogens</i> , 2018 , 10, 23	5.4	7
24	Local appendiceal dysbiosis: the missing link between the appendix and ulcerative colitis?. <i>Gut</i> , 2012 , 61, 635-6	19.2	7
23	Contribution of the Gut Microbiota in P28GST-Mediated Anti-Inflammatory Effects: Experimental and Clinical Insights. <i>Cells</i> , 2019 , 8,	7.9	6
22	Injection Molded Capsules for Colon Delivery Combining Time-Controlled and Enzyme-Triggered Approaches. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	6
21	Enzymatically activated coated multiparticulates containing theophylline for colon targeting. <i>Journal of Drug Delivery Science and Technology</i> , 2010 , 20, 193-199	4.5	6
20	Differentiation and identification of human faecal anaerobic bacteria producing β -galactosidase (a new methodology). <i>Journal of Microbiological Methods</i> , 1996 , 27, 25-31	2.8	6
19	Contribution à l'étude de la répartition des espèces de <i>Bifidobacterium</i> dans la flore fécale de nourrissons alimentés soit au sein, soit par des laits maternels. <i>Reproduction, Nutrition, Development</i> , 1980 , 20, 1679-1684		4
18	Release-killing properties of a textile modified by a layer-by-layer coating based on two oppositely charged cyclodextrin polyelectrolytes. <i>International Journal of Pharmaceutics</i> , 2020 , 587, 119730	6.5	4
17	Antimicrobial and Light-Enhanced Antimicrobial Activities, Cytotoxicity and Chemical Variability of All Tunisian <i>Eryngium</i> Species. <i>Chemistry and Biodiversity</i> , 2020 , 17, e1900543	2.5	3
16	<i>Saccharomyces Cerevisiae</i> CNCM I-3856 Reduces Digestive Discomfort and Abdominal Pain in Subjects With Irritable Bowel Syndrome: A Randomized Double-Blinded Placebo-Controlled Clinical Trial. <i>Gastroenterology</i> , 2011 , 140, S-50	13.3	3
15	MeJA Elicitation of Chicory Hairy Roots Promotes Efficient Increase of 3,5-diCQA Accumulation, a Potent Antioxidant and Antibacterial Molecule. <i>Antibiotics</i> , 2020 , 9,	4.9	3
14	Antibiotic Susceptibility of Probiotic Strains. Is it Reasonable to Combine Probiotics with Antibiotics?. <i>Gastroenterology</i> , 2017 , 152, S821	13.3	2

13	In vitro activity of gatifloxacin, a new fluoroquinolone, against 204 anaerobes compared to seven other compounds. <i>Clinical Microbiology and Infection</i> , 2003 , 9, 1133-8	9.5	2
12	Adherent invasive Escherichia coli (AIEC) strain LF82, but not Candida albicans, plays a profibrogenic role in the intestine. <i>Gut Pathogens</i> , 2021 , 13, 5	5.4	2
11	Injection-molded capsule bodies and caps based on polymer blends for controlled drug delivery. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2021 , 168, 1-14	5.7	2
10	How to Study Antimicrobial Activities of Plant Extracts: A Critical Point of View. <i>Sustainable Development and Biodiversity</i> , 2018 , 55-71	2.1	1
9	Oral colon delivery platform based on a novel combination approach: Design concept and preliminary evaluation. <i>Journal of Drug Delivery Science and Technology</i> , 2021 , 66, 102919	4.5	1
8	In Vitro Microbiological and Drug Release of Silver/Ibuprofen Loaded Wound Dressing Designed for the Treatment of Chronically Infected Painful Wounds. <i>Antibiotics</i> , 2021 , 10,	4.9	1
7	Adherent-Invasive and Non-Invasive Isolates Differ in Their Effects on Lifespan. <i>Microorganisms</i> , 2021 , 9,	4.9	1
6	Antimicrobial effect and physical properties of an injectable "active oxygen" gel for the treatment of periodontitis. <i>American Journal of Dentistry</i> , 2020 , 33, 305-309	1.3	0
5	Core-Sheath Electrospun Nanofibers Based on Chitosan and Cyclodextrin Polymer for the Prolonged Release of Triclosan. <i>Polymers</i> , 2022 , 14, 1955	4.5	0
4	Antimicrobial Properties of Compounds Isolated from Syzygium malaccense (L.) Merr. and L.M. Perry and Medicinal Plants Used in French Polynesia. <i>Life</i> , 2022 , 12, 733	3	0
3	Simultaneous antibacterial and anticoagulant properties of polypropylene non-woven textiles. <i>MATEC Web of Conferences</i> , 2013 , 7, 04014	0.3	
2	Rapid Detection of Clostridium perfringens: Comparison of Lactose Sulfite Broth with Tryptose-Sulfite-Cycloserine Agar. <i>Journal of the Association of Official Analytical Chemists</i> , 1985 , 68, 881-883		
1	Antibacterial and antioxidant activities of a novel enol ether nor-sesquiterpene isolated from Myrtus nivellei Batt. & Trab. <i>Phytotherapy Research</i> , 2021 , 153, 104987	3.2	