Jan G M Bolscher

List of Publications by Year
in descending order

88 papers	3,312 citations	136950 32 h-index	161849 54 g-index
89 all docs	89 docs citations	89 times ranked	3572 citing authors

#	Article	IF	Citations
1	Identification of VEGFR2 as the Histatin-1 receptor in endothelial cells. Biochemical Pharmacology, 2022, 201, 115079.	4.4	3
2	Bovine lactoferrin and lactoferrin peptides affect endometrial and cervical cancer cell lines. Biochemistry and Cell Biology, 2021, 99, 149-158.	2.0	9
3	Histatinâ€1 is a novel osteogenic factor that promotes bone cell adhesion, migration, and differentiation. Journal of Tissue Engineering and Regenerative Medicine, 2021, 15, 336-346.	2.7	10
4	Human Salivary Histatin-1 Promotes Osteogenic Cell Spreading on Both Bio-Inert Substrates and Titanium SLA Surfaces. Frontiers in Bioengineering and Biotechnology, 2020, 8, 584410.	4.1	8
5	Allâ€trans retinoic acid and human salivary histatinâ€1 promote the spreading and osteogenic activities of preâ€osteoblasts inÂvitro. FEBS Open Bio, 2020, 10, 396-406.	2.3	13
6	Salivary Histatin 1 and 2 Are Targeted to Mitochondria and Endoplasmic Reticulum in Human Cells. Cells, 2020, 9, 795.	4.1	11
7	D-LL-31 enhances biofilm-eradicating effect of currently used antibiotics for chronic rhinosinusitis and its immunomodulatory activity on human lung epithelial cells. PLoS ONE, 2020, 15, e0243315.	2.5	12
8	Title is missing!. , 2020, 15, e0243315.		0
9	Title is missing!. , 2020, 15, e0243315.		0
10	Title is missing!. , 2020, 15, e0243315.		0
11	Title is missing!. , 2020, 15, e0243315.		0
12	DNase-mediated eDNA removal enhances D-LL-31 activity against biofilms of bacteria isolated from chronic rhinosinusitis patients. Biofouling, 2020, 36, 1117-1128.	2.2	6
13	D-LL-31 in combination with ceftazidime synergistically enhances bactericidal activity and biofilm destruction inBurkholderia pseudomallei. Biofouling, 2019, 35, 573-584.	2.2	15
14	Synergistic effects of LFchimera and antibiotic against planktonic and biofilm form of Aggregatibacter actinomycetemcomitans. PLoS ONE, 2019, 14, e0217205.	2.5	5
15	Lactoferrin Disaggregates Pneumococcal Biofilms and Inhibits Acquisition of Resistance Through Its DNase Activity. Frontiers in Microbiology, 2019, 10, 2386.	3.5	17
16	LFchimera protects HeLa cells from invasion by Yersinia spp. in vitro. BioMetals, 2018, 31, 941-950.	4.1	6
17	Salivary peptide histatin 1 mediated cell adhesion: a possible role in mesenchymal-epithelial transition and in pathologies. Biological Chemistry, 2018, 399, 1409-1419.	2.5	8
18	Impact of nutritional stress on drug susceptibility and biofilm structures of Burkholderia pseudomallei and Burkholderia thailandensis grown in static and microfluidic systems. PLoS ONE, 2018, 13, e0194946.	2.5	19

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19	Antibacterial and cell penetrating effects of LFcin17â€“30, LFampin265â€“284, and LF chimera on enteroaggregative Escherichia coli. Biochemistry and Cell Biology, 2017, 95, 76-81.	2.0	20
20	Parasiticidal effect of synthetic bovine lactoferrin peptides on the enteric parasiteGiardia intestinalis. Biochemistry and Cell Biology, 2017, 95, 82-90.	2.0	26
21	Human salivary peptide histatinâ€1 stimulates epithelial and endothelial cell adhesion and barrier function. FASEB Journal, 2017, 31, 3922-3933.	0.5	28
22	Killing activity of LFchimera on periodontopathic bacteria and multispecies oral biofilm formation in vitro. World Journal of Microbiology and Biotechnology, 2017, 33, 167.	3.6	12
23	Discovery of Salivary Gland Tumorsâ€™ Biomarkers via Co-Regularized Sparse-Group Lasso. Lecture Notes in Computer Science, 2017, , 298-305.	1.3	2
24	Lactoferricin Peptides Increase Macrophages' Capacity To Kill Mycobacterium avium. MSphere, 2017, 2, .	2.9	33
25	Mucoepidermoid carcinoma-associated expression of MUC5AC, MUC5B and mucin-type carbohydrate antigen sialyl-Tn in the parotid gland. Archives of Oral Biology, 2017, 82, 121-126.	1.8	5
26	Anticancer activities of bovine and human lactoferricin-derived peptides. Biochemistry and Cell Biology, 2017, 95, 91-98.	2.0	70
27	Effects of lactoferrin derived peptides on simulants of biological warfare agents. World Journal of Microbiology and Biotechnology, 2017, 33, 3.	3.6	17
28	Saliva-Derived Host Defense Peptides Histatin1 and LL-37 Increase Secretion of Antimicrobial Skin and Oral Mucosa Chemokine CCL20 in an IL-1Î±-Independent Manner. Journal of Immunology Research, 2017, 2017, 1-11.	2.2	14
29	Bovine Lactoferrin and Lactoferrin-Derived Peptides Inhibit the Growth of Vibrio cholerae and Other Vibrio species. Frontiers in Microbiology, 2017, 8, 2633.	3.5	27
30	High number of chromosomal copy number aberrations inversely relates to t(11;19)(q21;p13) translocation status in mucoepidermoid carcinoma of the salivary glands. Oncotarget, 2017, 8, 69456-69464.	1.8	4
31	Different wound healing properties of dermis, adipose, and gingiva mesenchymal stromal cells. Wound Repair and Regeneration, 2016, 24, 100-109.	3.0	52
32	Ultrastructural effects and antibiofilm activity of LFchimera against Burkholderia pseudomallei. World Journal of Microbiology and Biotechnology, 2016, 32, 33.	3.6	11
33	The Influence of Chronic Wound Extracts on Inflammatory Cytokine and Histatin Stability. PLoS ONE, 2016, 11, e0152613.	2.5	13
34	Human Salivary Micro-RNA in Patients with Parotid Salivary Gland Neoplasms. PLoS ONE, 2015, 10, e0142264.	2.5	15
35	Histatin-1, a histidine-rich peptide in human saliva, promotes cell-substrate and cell-cell adhesion. FASEB Journal, 2015, 29, 3124-3132.	0.5	30
36	Evaluation of salivary mucins in children with deciduous and mixed dentition: comparative analysis between high and low caries-risk groups. Clinical Oral Investigations, 2015, 19, 1931-1937.	3.0	15

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37	Antimicrobial Peptide LL-37 Is Both a Substrate of Cathepsins S and K and a Selective Inhibitor of Cathepsin L. Biochemistry, 2015, 54, 2785-2798.	2.5	38
38	Sortase-mediated backbone cyclization of proteins and peptides. Biological Chemistry, 2015, 396, 283-293.	2.5	36
39	Killing of Mycobacterium avium by Lactoferricin Peptides: Improved Activity of Arginine- and <scp>d</scp> -Amino-Acid-Containing Molecules. Antimicrobial Agents and Chemotherapy, 2014, 58, 3461-3467.	3.2	37
40	Membrane-active mechanism of LFchimera against Burkholderia pseudomallei and Burkholderia thailandensis. BioMetals, 2014, 27, 949-956.	4.1	9
41	Bactericidal effect of bovine lactoferrin and synthetic peptide lactoferrin chimera in Streptococcus pneumoniae and the decrease in luxS gene expression by lactoferrin. BioMetals, 2014, 27, 969-980.	4.1	24
42	Bovine and human lactoferricin peptides: chimeras and new cyclic analogs. BioMetals, 2014, 27, 935-948.	4.1	25
43	A heterodimer comprised of two bovine lactoferrin antimicrobial peptides exhibits powerful bactericidal activity against Burkholderia pseudomallei. World Journal of Microbiology and Biotechnology, 2013, 29, 1217-1224.	3.6	22
44	Structural diversity and mode of action on lipid membranes of three lactoferrin candidacidal peptides. Biochimica Et Biophysica Acta - Biomembranes, 2013, 1828, 1329-1339.	2.6	29
45	Discovery and Prevalidation of Salivary Extracellular microRNA Biomarkers Panel for the Noninvasive Detection of Benign and Malignant Parotid Gland Tumors. Clinical Cancer Research, 2013, 19, 3032-3038.	7.0	56
46	The Influence of Oral Bacteria on Epithelial Cell MigrationIn Vitro. Mediators of Inflammation, 2013, 2013, 1-6.	3.0	25
47	Chimerization of lactoferricin and lactoferrampin peptides strongly potentiates the killing activity against Candida albicans¹This article is part of a Special Issue entitled Lactoferrin and has undergone the Journal's usual peer review process.. Biochemistry and Cell Biology, 2012, 90, 378-388.	2.0	37
48	Influence of specific amino acid side-chains on the antimicrobial activity and structure of bovine lactoferrampin¹This article is part of Special Issue entitled Lactoferrin and has undergone the Journalâ€™s usual peer review process.. Biochemistry and Cell Biology, 2012, 90, 362-377.	2.0	14
49	Protective effects of lactoferrin chimera and bovine lactoferrin in a mouse model of enterohaemorrhagic Escherichia coli O157:H7 infection¹This article is part of a Special Issue entitled Lactoferrin and has undergone the Journal's usual peer review process.. Biochemistry and Cell Biology, 2012, 90, 405-411.	2.0	22
50	Structural and biophysical characterization of an antimicrobial peptide chimera comprised of lactoferricin and lactoferrampin. Biochimica Et Biophysica Acta - Biomembranes, 2012, 1818, 762-775.	2.6	53
51	Antimicrobial and antibiofilm activity of LL-37 and its truncated variants against Burkholderia pseudomallei. International Journal of Antimicrobial Agents, 2012, 39, 39-44.	2.5	69
52	Lactoferrin and lactoferrin chimera inhibit damage caused by enteropathogenic Escherichia coli in HEp-2 cells. Biochimie, 2012, 94, 1935-1942.	2.6	15
53	Enhanced leishmanicidal activity of cryptopeptide chimeras from the active N1 domain of bovine lactoferrin. Amino Acids, 2012, 43, 2265-2277.	2.7	24
54	Lactoferrin-Derived Antimicrobial Peptide Induces a Micellar Cubic Phase in a Model Membrane System. Biophysical Journal, 2011, 101, L20-L22.	0.5	23

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55	Sortase A as a tool for highâ€yield histatin cyclization. FASEB Journal, 2011, 25, 2650-2658.	0.5	83
56	C- and N-truncated antimicrobial peptides from LFampin 265 - 284: Biophysical versus microbiology results. Journal of Pharmacy and Bioallied Sciences, 2011, 3, 60.	0.6	19
57	Solid-phase synthesis of a pentavalent GalNAc-containing glycopeptide (Tn antigen) representing the nephropathy-associated IgA hinge region. Carbohydrate Research, 2010, 345, 1998-2003.	2.3	13
58	Bactericidal effect of bovine lactoferrin, LFcin, LFampin and LFchimera on antibiotic-resistant Staphylococcus aureus and Escherichia coli. BioMetals, 2010, 23, 569-578.	4.1	94
59	The role of salivary histatin and the human cathelicidin LL-37 in wound healing and innate immunity. Biological Chemistry, 2010, 391, 541-548.	2.5	56
60	Antimicrobial activities of LL-37 and its truncated variants against Burkholderia thailandensis. International Journal of Antimicrobial Agents, 2010, 36, 447-452.	2.5	30
61	LFampin Derived Antimicrobial Peptide: Biophysical Characterization and Biological Implications of Composition and Structure. Biophysical Journal, 2010, 98, 84a.	0.5	0
62	Structureâ€activity analysis of histatin, a potent wound healing peptide from human saliva: cyclization of histatin potentiates molar activity 1000â€fold. FASEB Journal, 2009, 23, 3928-3935.	0.5	83
63	Comparativein vivoandin vitroanalyses of putative virulence factors ofBurkholderia pseudomalleiusing lipopolysaccharide, capsule and flagellin mutants. FEMS Immunology and Medical Microbiology, 2009, 56, 253-259.	2.7	42
64	Novel lactoferrampin antimicrobial peptides derived from human lactoferrin. Biochimie, 2009, 91, 141-154.	2.6	71
65	Bactericidal activity of LFchimera is stronger and less sensitive to ionic strength than its constituent lactoferricin and lactoferrampin peptides. Biochimie, 2009, 91, 123-132.	2.6	88
66	In vitro susceptibility of Burkholderia pseudomallei to antimicrobial peptides. International Journal of Antimicrobial Agents, 2009, 34, 309-314.	2.5	40
67	Histatins are the major woundâ€closure stimulating factors in human saliva as identified in a cell culture assay. FASEB Journal, 2008, 22, 3805-3812.	0.5	183
68	Energy Depletion Protects Candida albicans against Antimicrobial Peptides by Rigidifying Its Cell Membrane. Journal of Biological Chemistry, 2007, 282, 18831-18841.	3.4	75
69	Filling Time of a Lamellar Capillary-Filling Semen Analysis Chamber Is a Rapid, Precise, and Accurate Method to Assess Viscosity of Seminal Plasma. Journal of Andrology, 2007, 28, 461-465.	2.0	19
70	Distinct bactericidal activities of bovine lactoferrin peptides LFampin 268â€“284 and LFampin 265â€“284: Asp-Leu-Ile makes a differenceThis paper is one of a selection of papers published in this Special Issue, entitled 7th International Conference on Lactoferrin: Structure, Function, and Applications, and has undergone the Journal's usual peer review process.. Biochemistry and Cell Biology, 2006, 84, 358-362.	2.0	36
71	A one-enzyme strategy to release an antimicrobial peptide from the LFampin-domain of bovine lactoferrin. Peptides, 2006, 27, 1-9.	2.4	41
72	The human cathelicidin peptide LL-37 and truncated variants induce segregation of lipids and proteins in the plasma membrane of Candida albicans. Biological Chemistry, 2006, 387, 1495-502.	2.5	51

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73	A Membrane-Destabilizing Peptide in Capsid Protein L2 Is Required for Egress of Papillomavirus Genomes from Endosomes. Journal of Virology, 2006, 80, 759-768.	3.4	165
74	Histatin 5-Derived Peptide with Improved Fungicidal Properties Enhances Human Immunodeficiency Virus Type 1 Replication by Promoting Viral Entry. Journal of Virology, 2006, 80, 9236-9243.	3.4	26
75	Candidacidal effects of two antimicrobial peptides: histatin 5 causes small membrane defects, but LL-37 causes massive disruption of the cell membrane. Biochemical Journal, 2005, 388, 689-695.	3.7	154
76	Lactoferrampin, an antimicrobial peptide of bovine lactoferrin, exerts its candidacidal activity by a cluster of positively charged residues at the C-terminus in combination with a helix-facilitating N-terminal part. Biological Chemistry, 2005, 386, 137-142.	2.5	67
77	Ultrastructural effects of antimicrobial peptides from bovine lactoferrin on the membranes of Candida albicans and Escherichia coli. Peptides, 2005, 26, 1537-1542.	2.4	68
78	Effect of amino acid substitutions on the candidacidal activity of LFampin 265â€“284. Peptides, 2005, 26, 2093-2097.	2.4	29
79	Lactoferrampin: a novel antimicrobial peptide in the N1-domain of bovine lactoferrin. Peptides, 2004, 25, 177-183.	2.4	218
80	Interactions of histatin 5 and histatin 5-derived peptides with liposome membranes: surface effects, translocation and permeabilization. Biochemical Journal, 2004, 379, 665-672.	3.7	64
81	Reactive oxygen species play no role in the candidacidal activity of the salivary antimicrobial peptide histatin 5. Biochemical Journal, 2004, 381, 447-452.	3.7	65
82	Identification of the Bacteria-binding Peptide Domain on Salivary Agglutinin (gp-340/DMBT1), a Member of the Scavenger Receptor Cysteine-rich Superfamily. Journal of Biological Chemistry, 2002, 277, 32109-32115.	3.4	139
83	Mucins as key molecules for the classification of intestinal metaplasia of the stomach. Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin, 2002, 440, 311-317.	2.8	60
84	Inhibition of HIV-1 IIIB and clinical isolates by human parotid, submandibular, sublingual and palatine saliva. European Journal of Oral Sciences, 2002, 110, 149-156.	1.5	20
85	In Vivo Binding of the Salivary Glycoprotein EP-GP (Identical to GCDFP-15) to Oral and Non-Oral Bacteria Detection and Identification of EP-GP Binding Species. Biological Chemistry, 1997, 378, 83-88.	2.5	52
86	Introduction of oxygen into the alkyl chain of N-decyl-dNM decreases lipophilicity and results in increased retention of glucose residues on N-linked oligosaccharides. Glycobiology, 1994, 4, 141-149.	2.5	26
87	Decreased fucose incorporation in cell surface carbohydrates is associated with inhibition of invasion. Clinical and Experimental Metastasis, 1989, 7, 557-569.	3.3	16
88	The Electrochemical Proton Gradient Generated by the Fumarate-Reductase System inEscherichia coli and Its Bioenergetic Implications. FEBS Journal, 1981, 113, 369-374.	0.2	24