Lieve Van Mellaert

List of Publications by Year
in descending order

83	2,654	31	48
papers	citations	h-index	g-index
		147566	205818

87	87	87	2552
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Perturbation of Alphavirus and Flavivirus Infectivity by Components of the Bacterial Cell Wall. Journal of Virology, 2022, 96, jvi0006022.	1.5	3
2	Scalable Synthesis, In Vitro cccDNA Reduction, and In Vivo Antihepatitis B Virus Activity of a Phosphonomethoxydeoxythreosyl Adenine Prodrug. Journal of Medicinal Chemistry, 2020, 63, 13851-13860.	2.9	8
3	Family-wide analysis of aminoacyl-sulfamoyl-3-deazaadenosine analogues as inhibitors of aminoacyl-tRNA synthetases. European Journal of Medicinal Chemistry, 2018, 148, 384-396.	2.6	19
4	Monitoring Protein Secretion in Streptomyces Using Fluorescent Proteins. Frontiers in Microbiology, 2018, 9, 3019.	1.5	11
5	Transcriptomic and fluxomic changes in Streptomyces lividans producing heterologous protein. Microbial Cell Factories, 2018, 17, 198.	1.9	18
6	Ses proteins as possible targets for vaccine development against Staphylococcus epidermidis infections. Journal of Infection, 2018, 77, 119-130.	1.7	10
7	Large-scale production of a thermostable Rhodothermus marinus cellulase by heterologous secretion from Streptomyces lividans. Microbial Cell Factories, 2017, 16, 232.	1.9	40
8	The Possible Role of Staphylococcus epidermidis LPxTG Surface Protein SesC in Biofilm Formation. PLoS ONE, 2016, 11, e0146704.	1.1	22
9	sesC as a genetic marker for easy identification of Staphylococcus epidermidis from other isolates. Infection, Genetics and Evolution, 2016, 43, 222-224.	1.0	6
10	Inefficacy of vancomycin and teicoplanin in eradicating and killing Staphylococcus epidermidis biofilms in vitro. International Journal of Antimicrobial Agents, 2015, 45, 368-375.	1.1	36
11	Assessment of an ELISA for serodiagnosis of active pulmonary tuberculosis in a Cuban population. Asian Pacific Journal of Tropical Disease, 2015, 5, 772-778.	0.5	2
12	Staphylococcal biofilm growth on smooth and porous titanium coatings for biomedical applications. Journal of Biomedical Materials Research - Part A, 2014, 102, 215-224.	2.1	95
13	Protein secretion biotechnology in Gram-positive bacteria with special emphasis on Streptomyces lividans. Biochimica Et Biophysica Acta - Molecular Cell Research, 2014, 1843, 1750-1761.	1.9	73
14	Spores of <i>Clostridium</i> engineered for clinical efficacy and safety cause regression and cure of tumors <i>in vivo</i>. Oncotarget, 2014, 5, 1761-1769.	0.8	72
15	Use of Strep-tag II for rapid detection and purification of Mycobacterium tuberculosis recombinant antigens secreted by Streptomyces lividans. Journal of Microbiological Methods, 2013, 94, 192-198.	0.7	16
16	Metabolic impact assessment for heterologous protein production in Streptomyces lividans based on genome-scale metabolic network modeling. Mathematical Biosciences, 2013, 246, 113-121.	0.9	10
17	Bacterial colonisation of porous titanium coatings for orthopaedic implant applications â€“ effect of surface roughness and porosity. Powder Metallurgy, 2013, 56, 267-271.	0.9	18
18	Confocal Microscope Studies of Living Cells Deposited Using Alternating Current Electrophoretic Deposition (AC-EPD). Key Engineering Materials, 2012, 507, 121-126.	0.4	1

#	ARTICLE	IF	CITATIONS
19	Recombinant protein production and streptomycetes. Journal of Biotechnology, 2012, 158, 159-167.	1.9	93
20	On the influence of overexpression of phosphoenolpyruvate carboxykinase in Streptomyces lividans on growth and production of human tumour necrosis factor-alpha. Applied Microbiology and Biotechnology, 2012, 96, 367-372.	1.7	10
21	Immunoprophylaxis and immunotherapy of<i>Staphylococcus epidermidis</i>infections: challenges and prospects. Expert Review of Vaccines, 2012, 11, 319-334.	2.0	31
22	Reduction of Biofilm Infection Risks and Promotion of Osteointegration for Optimized Surfaces of Titanium Implants. Advanced Healthcare Materials, 2012, 1, 117-127.	3.9	43
23	Controlled release of chlorhexidine antiseptic from microporous amorphous silica applied in open porosity of an implant surface. International Journal of Pharmaceutics, 2011, 419, 28-32.	2.6	18
24	Cloning and Expression Vectors for a Gram-Positive Host, Streptomyces lividans. Methods in Molecular Biology, 2010, 668, 97-107.	0.4	6
25	Evaluation of the type I signal peptidase as antibacterial target for biofilm-associated infections of Staphylococcus epidermidis. Microbiology (United Kingdom), 2009, 155, 3719-3729.	0.7	13
26	Electrophoretic deposition of bacterial cells. Electrochemistry Communications, 2009, 11, 1842-1845.	2.3	35
27	Immune Response to Streptomyces lividans in Mice: A Potential Vaccine Vehicle Against TB. The Open Vaccine Journal, 2009, 2, 85-91.	0.6	2
28	Characterization of the <i>Streptomyces lividans</i> PspA Response. Journal of Bacteriology, 2008, 190, 3475-3481.	1.0	36
29	The Tat pathway in Streptomyces lividans: interaction of Tat subunits and their role in translocation. Microbiology (United Kingdom), 2007, 153, 1087-1094.	0.7	16
30	Recombinant production of Streptococcus equisimilis streptokinase by Streptomyces lividans. Microbial Cell Factories, 2007, 6, 20.	1.9	27
31	pspA overexpression in Streptomyces lividans improves both Sec- and Tat-dependent protein secretion. Applied Microbiology and Biotechnology, 2007, 73, 1150-1157.	1.7	49
32	Functional large-scale production of a novel Jonesia sp. xyloglucanase by heterologous secretion from Streptomyces lividans. Journal of Biotechnology, 2006, 121, 498-507.	1.9	54
33	The type II signal peptidase of Legionella pneumophila. Research in Microbiology, 2006, 157, 836-841.	1.0	9
34	Clostridium spores as anti-tumour agents. Trends in Microbiology, 2006, 14, 190-196.	3.5	69
35	The use of clostridial spores for cancer treatment. Journal of Applied Microbiology, 2006, 101, 571-578.	1.4	60
36	Evaluation of TatABC overproduction on Tat- and Sec-dependent protein secretion in Streptomyces lividans. Archives of Microbiology, 2006, 186, 507-512.	1.0	20

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37	Streptomyces as host for recombinant production of Mycobacterium tuberculosis proteins. Tuberculosis, 2006, 86, 198-202.	0.8	18
38	Surface plasmon resonance-based interaction studies reveal competition of Streptomyces lividans type I signal peptidases for binding preproteins. Microbiology (United Kingdom), 2006, 152, 1441-1450.	0.7	9
39	Complete genomic nucleotide sequence and analysis of the temperate bacteriophage VWB. Virology, 2005, 331, 325-337.	1.1	29
40	Secretory production of biologically active rat interleukin-2 byClostridium acetobutylicumDSM792 as a tool for anti-tumor treatment. FEMS Microbiology Letters, 2005, 246, 67-73.	0.7	69
41	Inactivation of the 20S proteasome in Streptomyces lividans and its influence on the production of heterologous proteins. Microbiology (United Kingdom), 2005, 151, 3137-3145.	0.7	16
42	Legionella pneumophila Philadelphia-1 tatB and tatC affect intracellular replication and biofilm formation. Biochemical and Biophysical Research Communications, 2005, 331, 1413-1420.	1.0	70
43	Functional analysis of TatA and TatB in Streptomyces lividans. Biochemical and Biophysical Research Communications, 2005, 335, 973-982.	1.0	31
44	Structural organization of the twin-arginine translocation system inStreptomyces lividans. FEBS Letters, 2005, 579, 797-802.	1.3	26
45	First proteomic analysis of Legionella pneumophila based on its developing genome sequence. Research in Microbiology, 2005, 156, 119-129.	1.0	19
46	Clostridia As Production Systems for Prokaryotic and Eukaryotic Proteins of Therapeutic Value in Tumor Treatment. , 2005, , 877-893.		2
47	The importance of the Tat-dependent protein secretion pathway in Streptomyces as revealed by phenotypic changes in tat deletion mutants and genome analysis. Microbiology (United Kingdom), 2004, 150, 21-31.	0.7	64
48	Molecular and functional characterization of type I signal peptidase from Legionella pneumophila. Microbiology (United Kingdom), 2004, 150, 1475-1483.	0.7	22
49	Novel transcriptional regulators of Legionella pneumophila that affect replication in Acanthamoeba castellanii. Archives of Microbiology, 2004, 181, 362-370.	1.0	14
50	Analysis of type I signal peptidase affinity and specificity for preprotein substrates. Biochemical and Biophysical Research Communications, 2004, 314, 459-467.	1.0	17
51	A putative twin-arginine translocation pathway in Legionella pneumophila. Biochemical and Biophysical Research Communications, 2004, 317, 654-661.	1.0	41
52	Isolation of high quality RNA from Streptomyces. Journal of Microbiological Methods, 2004, 58, 135-137.	0.7	22
53	The use of the cMyc epitope tag can be problematic for protein detection in Legionella pneumophila. Journal of Microbiological Methods, 2004, 59, 131-134.	0.7	1
54	Comparison of the Sec and Tat secretion pathways for heterologous protein production by Streptomyces lividans. Journal of Biotechnology, 2004, 112, 279-288.	1.9	43

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55	Improved PCR-based method for the direct screening of Streptomyces transformants. Journal of Microbiological Methods, 2003, 53, 401-403.	0.7	15
56	Real-time quantitative RTâ€"PCR and detection of tumour cell dissemination in breast cancer patients: plasmid versus cell line dilutions. Annals of Oncology, 2003, 14, 1241-1245.	0.6	6
57	Tumor-Specific Gene Delivery Using Genetically Engineered Bacteria. Current Gene Therapy, 2003, 3, 207-221.	0.9	48
58	Clostridium-Mediated Transfer of Therapeutic Proteins to Solid Tumors. , 2003, , 527-546.		1
59	Clostridium spores for tumor-specific drug delivery. Anti-Cancer Drugs, 2002, 13, 115-125.	0.7	47
60	Physical requirements for in vitro processing of the Streptomyces lividans signal peptidases. Journal of Biotechnology, 2002, 96, 79-91.	1.9	9
61	Gram-Positive Bacteria as Host Cells for Heterologous Production of Biopharmaceuticals. Focus on Biotechnology, 2001, , 277-300.	0.4	7
62	Efficient isolation of total RNA from Clostridium without DNA contamination. Journal of Microbiological Methods, 2001, 44, 235-238.	0.7	41
63	Increasing specificity of Clostridium mediated protein transfer via radiotherapy: the use of bacterial radio-induced promoters. European Journal of Cancer, 2001, 37, S274.	1.3	0
64	Specific targeting of cytosine deaminase to solid tumors by engineered Clostridium acetobutylicum. Cancer Gene Therapy, 2001, 8, 294-297.	2.2	97
65	Radio-responsive recA promoter significantly increases TNFÎ± production in recombinant clostridia after 2 Gy irradiation. Gene Therapy, 2001, 8, 1197-1201.	2.3	97
66	Insertion or Deletion of the Cheo Box Modifies Radiation Inducibility of Clostridium Promoters. Applied and Environmental Microbiology, 2001, 67, 4464-4470.	1.4	26
67	Membrane Topology of the Streptomyces lividans Type I Signal Peptidases. Journal of Bacteriology, 2001, 183, 4752-4760.	1.0	17
68	Twin-Arginine Translocation Pathway in Streptomyces lividans. Journal of Bacteriology, 2001, 183, 6727-6732.	1.0	83
69	The Use of Radiation-Induced Bacterial Promoters in Anaerobic Conditions: A Means to Control Gene Expression inClostridium-Mediated Therapy for Cancer. Radiation Research, 2001, 155, 716-723.	0.7	64
70	Stable<i>Escherichia coli-Clostridium acetobutylicum</i>Shuttle Vector for Secretion of Murine Tumor Necrosis Factor Alpha. Applied and Environmental Microbiology, 1999, 65, 4295-4300.	1.4	63
71	Colonisation ofClostridiumin the body is restricted to hypoxic and necrotic areas of tumours. Anaerobe, 1998, 4, 183-188.	1.0	85
72	Influence of charge variation in the Streptomyces venezuelae a-amylase signal peptide on heterologous protein production by Streptomyces lividans. Applied Microbiology and Biotechnology, 1998, 49, 424-430.	1.7	26

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73	TheSip(Sli)Gene ofStreptomyces LividansTK24 Specifies an Unusual Signal Peptidase with a Putative C-Terminal Transmembrane Anchor. DNA Sequence, 1998, 9, 79-88.	0.7	11
74	Molecular Characterization of a Novel Subtilisin Inhibitor Protein Produced by Streptomyces venezuelae CBS762.70. DNA Sequence, 1998, 9, 19-30.	0.7	24
75	Site-specific integration of bacteriophage VWB genome into Streptomyces venezuelae and construction of a VWB-based integrative vector. Microbiology (United Kingdom), 1998, 144, 3351-3358.	0.7	51
76	Preclinical studies on thiocarboxanilide UC-781 as a virucidal agent. Aids, 1998, 12, 1129-1138.	1.0	83
77	Evaluation of a novel subtilisin inhibitor gene and mutant derivatives for the expression and secretion of mouse tumor necrosis factor alpha by Streptomyces lividans. Applied and Environmental Microbiology, 1997, 63, 1808-1813.	1.4	49
78	Codon adjustment to maximise heterologous gene expression inStreptomyces lividans can lead to decreased mRNA stability and protein yield. Molecular Genetics and Genomics, 1996, 250, 223-229.	2.4	11
79	Codon adjustment to maximise heterologous gene expression in. Molecular Genetics and Genomics, 1996, 250, 223.	2.4	0
80	Analysis of the open reading frames of the main capsid proteins of actinophage VWB. Archives of Virology, 1995, 140, 1033-1047.	0.9	6
81	Efficient secretion of biologically active mouse tumor necrosis factor Î± by Streptomyces lividans. Gene, 1994, 150, 153-158.	1.0	32
82	Streptomyces lividansas host for heterologous protein production. FEMS Microbiology Letters, 1993, 114, 121-128.	0.7	59
83	Optimum conditions for efficient transformation ofStreptomyces venezuelae protoplasts. Applied Microbiology and Biotechnology, 1990, 32, 431-435.	1.7	30