

# Gerlinde R Van De Walle

## List of Publications by Year in descending order

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Version: 2024-02-01

93  
papers

2,653  
citations

196777

29  
h-index

263392

45  
g-index

97  
all docs

97  
docs citations

97  
times ranked

2898  
citing authors

#	ARTICLE	IF	CITATIONS
1	Establishment and characterization of equine mammary organoids using a method translatable to other non-traditional model species. <i>Development (Cambridge)</i> , 2022, 149, .	1.2	4
2	AIÿ¿ TMPRSS2 inhibitor acts as a pan-SARS-CoV-2 prophylactic and therapeutic. <i>Nature</i> , 2022, 605, 340-348.	13.7	108
3	Comparative Efficacy of Topical Ophthalmic Ganciclovir and Oral Famciclovir in Cats with Experimental Ocular Feline Herpesvirus-1 Epithelial Infection. <i>Journal of Ocular Pharmacology and Therapeutics</i> , 2022, 38, 339-347.	0.6	6
4	The Horse as a Model for the Study of Cutaneous Wound Healing. <i>Advances in Wound Care</i> , 2021, 10, 381-399.	2.6	11
5	Beyond tradition and convention: benefits of non-traditional model organisms in cancer research. <i>Cancer and Metastasis Reviews</i> , 2021, 40, 47-69.	2.7	11
6	Translational Animal Models Provide Insight Into Mesenchymal Stromal Cell (MSC) Secretome Therapy. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 654885.	1.8	20
7	The Lack of a Representative Tendinopathy Model Hampers Fundamental Mesenchymal Stem Cell Research. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 651164.	1.8	9
8	Pathogenesis, MicroRNAâ€22 Geneâ€Regulation, and Protective Immune Responses After Acute Equine Hepacivirus Infection. <i>Hepatology</i> , 2021, 74, 1148-1163.	3.6	14
9	Mesenchymal stromal cellâ€secreted CCL2 promotes antibacterial defense mechanisms through increased antimicrobial peptide expression in keratinocytes. <i>Stem Cells Translational Medicine</i> , 2021, 10, 1666-1679.	1.6	20
10	Single-cell resolution landscape of equine peripheral blood mononuclear cells reveals diverse cell types including T-bet+ B cells. <i>BMC Biology</i> , 2021, 19, 13.	1.7	25
11	Small but mighty: old and new parvoviruses of veterinary significance. <i>Virology Journal</i> , 2021, 18, 210.	1.4	30
12	The equine mesenchymal stromal cell secretome inhibits equid herpesvirus type 1 strain Ab4 in epithelial cells. <i>Research in Veterinary Science</i> , 2021, 141, 76-80.	0.9	1
13	Equine pegiviruses cause persistent infection of bone marrow and are not associated with hepatitis. <i>PLoS Pathogens</i> , 2020, 16, e1008677.	2.1	17
14	Single-cell RNA sequencing of equine mesenchymal stromal cells from primary donor-matched tissue sources reveals functional heterogeneity in immune modulation and cell motility. <i>Stem Cell Research and Therapy</i> , 2020, 11, 524.	2.4	27
15	One health in regenerative medicine: report on the second Havemeyer symposium on regenerative medicine in horses. <i>Regenerative Medicine</i> , 2020, 15, 1775-1787.	0.8	4
16	Secreted sphingomyelins modulate low mammary cancer incidence observed in certain mammals. <i>Scientific Reports</i> , 2020, 10, 20580.	1.6	8
17	First report of equine parvovirusâ€hepatitisâ€associated Theilerâ€TM's disease in Europe. <i>Equine Veterinary Journal</i> , 2020, 52, 841-847.	0.9	19
18	Tropism, pathology, and transmission of equine parvovirus-hepatitis. <i>Emerging Microbes and Infections</i> , 2020, 9, 651-663.	3.0	32

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19	The mesenchymal stromal cell secretome impairs methicillin-resistant <i>Staphylococcus aureus</i> biofilms via cysteine protease activity in the equine model. <i>Stem Cells Translational Medicine</i> , 2020, 9, 746-757.	1.6	39
20	What Do We Know About Hepatitis Viruses in Horses?. <i>Veterinary Clinics of North America Equine Practice</i> , 2019, 35, 351-362.	0.3	17
21	Effects of orally administered raltegravir in cats with experimentally induced ocular and respiratory feline herpesvirus-1 infection. <i>American Journal of Veterinary Research</i> , 2019, 80, 490-497.	0.3	5
22	Viral testing of 18 consecutive cases of equine serum hepatitis: A prospective study (2014-2018). <i>Journal of Veterinary Internal Medicine</i> , 2019, 33, 251-257.	0.6	46
23	Viral testing of 10 cases of Theiler's disease and 37 in-contact horses in the absence of equine biologic product administration: A prospective study (2014-2018). <i>Journal of Veterinary Internal Medicine</i> , 2019, 33, 258-265.	0.6	40
24	The secretome of adipose-derived mesenchymal stem cells protects SH-SY5Y cells from arsenic-induced toxicity, independent of a neuron-like differentiation mechanism. <i>NeuroToxicology</i> , 2018, 67, 54-64.	1.4	10
25	BB-CI-Amidine as a novel therapeutic for canine and feline mammary cancer via activation of the endoplasmic reticulum stress pathway. <i>BMC Cancer</i> , 2018, 18, 412.	1.1	21
26	The secretome from bovine mammosphere-derived cells (MDC) promotes angiogenesis, epithelial cell migration, and contains factors associated with defense and immunity. <i>Scientific Reports</i> , 2018, 8, 5378.	1.6	13
27	Multispectral fluorescence-activated cell sorting of B and T cell subpopulations from equine peripheral blood. <i>Veterinary Immunology and Immunopathology</i> , 2018, 199, 22-31.	0.5	16
28	Conserved and variable: Understanding mammary stem cells across species. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2018, 93, 125-136.	1.1	19
29	In vitro efficacy of povidone iodine and hydroxyethyl cellulose, alone and in combination, against common feline ocular pathogens. <i>Veterinary Journal</i> , 2018, 241, 38-41.	0.6	5
30	Evaluation of topical ophthalmic ganciclovir gel for the treatment of dogs with experimentally induced ocular canine herpesvirus-1 infection. <i>American Journal of Veterinary Research</i> , 2018, 79, 762-769.	0.3	11
31	Plasminogen activator inhibitor-1 and tenascin-C secreted by equine mesenchymal stromal cells stimulate dermal fibroblast migration in vitro and contribute to wound healing in vivo. <i>Cytotherapy</i> , 2018, 20, 1061-1076.	0.3	27
32	Effect of a Histone Demethylase Inhibitor on Equine Herpesvirus-1 Activity In Vitro. <i>Frontiers in Veterinary Science</i> , 2018, 5, 34.	0.9	5
33	The HIV Integrase Inhibitor Raltegravir Inhibits Felid Alphaherpesvirus 1 Replication by Targeting both DNA Replication and Late Gene Expression. <i>Journal of Virology</i> , 2018, 92, .	1.5	1
34	Equine mesenchymal stromal cells from different tissue sources display comparable immune-related gene expression profiles in response to interferon gamma (IFN)- $\gamma$ . <i>Veterinary Immunology and Immunopathology</i> , 2018, 202, 25-30.	0.5	20
35	Transcriptome profiling of alphaherpesvirus-infected cells treated with the HIV-integrase inhibitor raltegravir reveals profound and specific alterations in host transcription. <i>Journal of General Virology</i> , 2018, 99, 1115-1128.	1.3	1
36	Differential signaling pathway activation in 7,12-dimethylbenz[a] anthracene (DMBA)-treated mammary stem/progenitor cells from species with varying mammary cancer incidence. <i>Oncotarget</i> , 2018, 9, 32761-32774.	0.8	10

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37	Carcinoma of the mammary gland in a mare. <i>Equine Veterinary Education</i> , 2017, 29, 370-375.	0.3	5
38	Electric Cell-Substrate Impedance Sensing To Monitor Viral Growth and Study Cellular Responses to Infection with Alpha herpesviruses in Real Time. <i>MSphere</i> , 2017, 2, .	1.3	29
39	Secreted factors from equine mesenchymal stromal cells diminish the effects of TGF $\beta$ 1 on equine dermal fibroblasts and alter the phenotype of dermal fibroblasts isolated from cutaneous fibroproliferative wounds. <i>Wound Repair and Regeneration</i> , 2017, 25, 234-247.	1.5	14
40	First demonstration of equid gamma herpesviruses within the gastric mucosal epithelium of horses. <i>Virus Research</i> , 2017, 242, 30-36.	1.1	10
41	Antimicrobial peptides secreted by equine mesenchymal stromal cells inhibit the growth of bacteria commonly found in skin wounds. <i>Stem Cell Research and Therapy</i> , 2017, 8, 157.	2.4	92
42	Equine Mesenchymal Stromal Cells from Different Sources Efficiently Differentiate into Hepatocyte-Like Cells. <i>Tissue Engineering - Part C: Methods</i> , 2016, 22, 596-607.	1.1	12
43	A Comparative Study on the In Vitro Effects of the DNA Methyltransferase Inhibitor 5-Azacytidine (5-AzaC) in Breast/Mammary Cancer of Different Mammalian Species. <i>Journal of Mammary Gland Biology and Neoplasia</i> , 2016, 21, 51-66.	1.0	21
44	Microvesicle-mediated Wnt/ $\beta$ -Catenin Signaling Promotes Interspecies Mammary Stem/Progenitor Cell Growth. <i>Journal of Biological Chemistry</i> , 2016, 291, 24390-24405.	1.6	16
45	Equine herpesvirus type 1 (EHV1) induces alterations in the immunophenotypic profile of equine monocyte-derived dendritic cells. <i>Veterinary Journal</i> , 2016, 210, 85-88.	0.6	1
46	A novel corneal explant model system to evaluate antiviral drugs against feline herpesvirus type 1 (FHV-1). <i>Journal of General Virology</i> , 2016, 97, 1414-1425.	1.3	15
47	Microencapsulated equine mesenchymal stromal cells promote cutaneous wound healing in vitro. <i>Stem Cell Research and Therapy</i> , 2015, 6, 66.	2.4	60
48	<i>In Vitro</i> and <i>In Vivo</i> Evaluation of Cidofovir as a Topical Ophthalmic Antiviral for Ocular Canine Herpesvirus-1 Infections in Dogs. <i>Journal of Ocular Pharmacology and Therapeutics</i> , 2015, 31, 642-649.	0.6	12
49	Equid herpesvirus 1 (EHV1) infection of equine mesenchymal stem cells induces a pUL56-dependent downregulation of select cell surface markers. <i>Veterinary Microbiology</i> , 2015, 176, 32-39.	0.8	12
50	Characterization of nonprimate hepacivirus and construction of a functional molecular clone. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 2192-2197.	3.3	84
51	Characterization and profiling of immunomodulatory genes of equine mesenchymal stromal cells from non-invasive sources. <i>Stem Cell Research and Therapy</i> , 2014, 5, 6.	2.4	47
52	Establishment and Characterization of an Air-Liquid Canine Corneal Organ Culture Model To Study Acute Herpes Keratitis. <i>Journal of Virology</i> , 2014, 88, 13669-13677.	1.5	15
53	Peripheral Blood-Derived Mesenchymal Stromal Cells Promote Angiogenesis via Paracrine Stimulation of Vascular Endothelial Growth Factor Secretion in the Equine Model. <i>Stem Cells Translational Medicine</i> , 2014, 3, 1514-1525.	1.6	56
54	Equine herpesvirus type 1 pUL56 modulates innate responses of airway epithelial cells. <i>Virology</i> , 2014, 464-465, 76-86.	1.1	23

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55	Mesenchymal stem cell therapy in horses: useful beyond orthopedic injuries?. <i>Veterinary Quarterly</i> , 2013, 33, 234-241.	3.0	48
56	Culture and characterisation of equine peripheral blood mesenchymal stromal cells. <i>Veterinary Journal</i> , 2013, 195, 107-113.	0.6	85
57	Mammary Stem Cell Research in Veterinary Science: An Update. <i>Stem Cells and Development</i> , 2013, 22, 1743-1751.	1.1	23
58	The role of BRCA1 in DNA double-strand repair: Past and present. <i>Experimental Cell Research</i> , 2013, 319, 575-587.	1.2	83
59	Evaluation of metaphylactic RNA interference to prevent equine herpesvirus type 1 infection in experimental herpesvirus myeloencephalopathy in horses. <i>American Journal of Veterinary Research</i> , 2013, 74, 248-256.	0.3	6
60	Identification and Characterization of Equine Herpesvirus Type 1 pUL56 and Its Role in Virus-Induced Downregulation of Major Histocompatibility Complex Class I. <i>Journal of Virology</i> , 2012, 86, 3554-3563.	1.5	45
61	Profiling chemokine-glycoprotein G interactions: implications for alphaherpesviral immune evasion. <i>Future Virology</i> , 2012, 7, 441-444.	0.9	0
62	The role of secreted glycoprotein G of equine herpesvirus type 1 and type 4 (EHV-1 and EHV-4) in immune modulation and virulence. <i>Virus Research</i> , 2012, 169, 203-211.	1.1	8
63	Stem/Progenitor Cells in Non-Lactating Versus Lactating Equine Mammary Gland. <i>Stem Cells and Development</i> , 2012, 21, 3055-3067.	1.1	17
64	Tendon Regeneration in Human and Equine Athletes. <i>Sports Medicine</i> , 2012, 42, 871-890.	3.1	44
65	In search for cross-reactivity to immunophenotype equine mesenchymal stromal cells by multicolor flow cytometry. <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2012, 81A, 312-323.	1.1	85
66	Evaluation of the antiviral activity of (1S,2R)-9-[[1-bis(hydroxymethyl)cycloprop-1-yl]methyl]guanine (A-5021) against equine herpesvirus type 1 in cell monolayers and equine nasal mucosal explants. <i>Antiviral Research</i> , 2012, 93, 234-238.	1.9	10
67	Histone modifications in herpesvirus infections. <i>Biology of the Cell</i> , 2012, 104, 139-164.	0.7	11
68	Differential gene expression of the toll-like receptor-4 cascade and neutrophil function in early- and mid-lactating dairy cows. <i>Journal of Dairy Science</i> , 2011, 94, 1277-1288.	1.4	34
69	Markers of stemness in equine mesenchymal stem cells: a plea for uniformity. <i>Theriogenology</i> , 2011, 75, 1431-1443.	0.9	137
70	Anaphylatoxin C5a-induced toll-like receptor 4 signaling in bovine neutrophils. <i>Journal of Dairy Science</i> , 2011, 94, 152-164.	1.4	22
71	Equine alphaherpesviruses (EHV-1 and EHV-4) differ in their efficiency to infect mononuclear cells during early steps of infection in nasal mucosal explants. <i>Veterinary Microbiology</i> , 2011, 152, 21-28.	0.8	32
72	Differences in replication kinetics and cell tropism between neurovirulent and non-neurovirulent EHV1 strains during the acute phase of infection in horses. <i>Veterinary Microbiology</i> , 2010, 142, 242-253.	0.8	55

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73	Pathogenic potential of equine alphaherpesviruses: The importance of the mononuclear cell compartment in disease outcome. <i>Veterinary Microbiology</i> , 2010, 143, 21-28.	0.8	35
74	A vectored equine herpesvirus type 1 (EHV-1) vaccine elicits protective immune responses against EHV-1 and H3N8 equine influenza virus. <i>Vaccine</i> , 2010, 28, 1048-1055.	1.7	24
75	The effect of siRNA treatment on experimental equine herpesvirus type 1 (EHV-1) infection in horses. <i>Virus Research</i> , 2010, 147, 176-181.	1.1	16
76	Analysis of the Herpesvirus Chemokine-binding Glycoprotein G Residues Essential for Chemokine Binding and Biological Activity. <i>Journal of Biological Chemistry</i> , 2009, 284, 5968-5976.	1.6	14
77	A Single Nucleotide Polymorphism in a Herpesvirus DNA Polymerase Is Sufficient to Cause Lethal Neurological Disease. <i>Journal of Infectious Diseases</i> , 2009, 200, 20-25.	1.9	67
78	Investigation of the prevalence of neurologic equine herpes virus type 1 (EHV-1) in a 23-year retrospective analysis (1984-2007). <i>Veterinary Microbiology</i> , 2009, 139, 375-378.	0.8	87
79	The role of dendritic cells in alphaherpesvirus infections: archetypes and paradigms. <i>Reviews in Medical Virology</i> , 2009, 19, 338-358.	3.9	2
80	Effective Treatment of Respiratory Alphaherpesvirus Infection Using RNA Interference. <i>PLoS ONE</i> , 2009, 4, e4118.	1.1	29
81	CCL3 and Viral Chemokine-Binding Protein gG Modulate Pulmonary Inflammation and Virus Replication during Equine Herpesvirus 1 Infection. <i>Journal of Virology</i> , 2008, 82, 1714-1722.	1.5	31
82	Equine Herpesvirus 1 Entry via Endocytosis Is Facilitated by $\alpha 5 \beta 1$ Integrins and an RSD Motif in Glycoprotein D. <i>Journal of Virology</i> , 2008, 82, 11859-11868.	1.5	45
83	Alphaherpesviruses and Chemokines: Pas de Deux Not Yet Brought to Perfection. <i>Journal of Virology</i> , 2008, 82, 6090-6097.	1.5	21
84	Herpesvirus Chemokine-Binding Glycoprotein G (gG) Efficiently Inhibits Neutrophil Chemotaxis In Vitro and In Vivo. <i>Journal of Immunology</i> , 2007, 179, 4161-4169.	0.4	49
85	Activation of $\alpha 5 \beta 1$ is a sufficient but also an imperative prerequisite for activation of $\alpha 2 \beta 1$ on platelets. <i>Blood</i> , 2007, 109, 595-602.	0.6	43
86	Herpesvirus interference with virus-specific antibodies: Bridging antibodies, internalizing antibodies, and hiding from antibodies. <i>Veterinary Microbiology</i> , 2006, 113, 257-263.	0.8	17
87	Two Functional Active Conformations of the Integrin $\alpha 2 \beta 1$ , Depending on Activation Condition and Cell Type. <i>Journal of Biological Chemistry</i> , 2005, 280, 36873-36882.	1.6	38
88	Virus complement evasion strategies. <i>Journal of General Virology</i> , 2003, 84, 1-15.	1.3	115
89	Antibody-induced internalization of viral glycoproteins and gE gI Fc receptor activity protect pseudorabies virus-infected monocytes from efficient complement-mediated lysis. <i>Journal of General Virology</i> , 2003, 84, 939-947.	1.3	38
90	Pseudorabies virus (PRV)-specific antibodies suppress intracellular viral protein levels in PRV-infected monocytes. <i>Journal of General Virology</i> , 2003, 84, 2969-2973.	1.3	6

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91	Transmission of pseudorabies virus from immune-masked blood monocytes to endothelial cells. <i>Journal of General Virology</i> , 2003, 84, 629-637.	1.3	11
92	Antibody-induced internalization of viral glycoproteins in pseudorabies virus-infected monocytes and role of the cytoskeleton: a confocal study. <i>Veterinary Microbiology</i> , 2002, 86, 51-57.	0.8	7
93	Temporary disturbance of actin stress fibers in swine kidney cells during pseudorabies virus infection. <i>Veterinary Microbiology</i> , 2002, 86, 89-94.	0.8	8