

Ward De Spiegelaere

List of Publications by Citations

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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.

83
papers

1,802
citations

22
h-index

40
g-index

95
ext. papers

2,229
ext. citations

3.9
avg, IF

4.57
L-index

#	Paper	IF	Citations
83	The need for transparency and good practices in the qPCR literature. <i>Nature Methods</i> , 2013 , 10, 1063-7	21.6	197
82	Reference gene validation for RT-qPCR, a note on different available software packages. <i>PLoS ONE</i> , 2015 , 10, e0122515	3.7	140
81	Intussusceptive angiogenesis: a biologically relevant form of angiogenesis. <i>Journal of Vascular Research</i> , 2012 , 49, 390-404	1.9	119
80	Comparison of droplet digital PCR and seminested real-time PCR for quantification of cell-associated HIV-1 RNA. <i>PLoS ONE</i> , 2014 , 9, e85999	3.7	116
79	The Digital MIQE Guidelines Update: Minimum Information for Publication of Quantitative Digital PCR Experiments for 2020. <i>Clinical Chemistry</i> , 2020 , 66, 1012-1029	5.5	85
78	Short-Course Toll-Like Receptor 9 Agonist Treatment Impacts Innate Immunity and Plasma Viremia in Individuals With Human Immunodeficiency Virus Infection. <i>Clinical Infectious Diseases</i> , 2017 , 64, 1686-1695	11.6	82
77	ddpcRquant: threshold determination for single channel droplet digital PCR experiments. <i>Analytical and Bioanalytical Chemistry</i> , 2015 , 407, 5827-34	4.4	74
76	Integrated and Total HIV-1 DNA Predict Ex Vivo Viral Outgrowth. <i>PLoS Pathogens</i> , 2016 , 12, e1005472	7.6	63
75	Simple and quick method for whole-liver decellularization: a novel in vitro three-dimensional bioengineering tool?. <i>Archives of Toxicology</i> , 2011 , 85, 607-12	5.8	53
74	Modeling HIV-1 Latency in Primary T Cells Using a Replication-Competent Virus. <i>AIDS Research and Human Retroviruses</i> , 2016 , 32, 187-93	1.6	43
73	Comparison of digital PCR platforms and semi-nested qPCR as a tool to determine the size of the HIV reservoir. <i>Scientific Reports</i> , 2015 , 5, 13811	4.9	43
72	Evaluation of bisulfite kits for DNA methylation profiling in terms of DNA fragmentation and DNA recovery using digital PCR. <i>PLoS ONE</i> , 2018 , 13, e0199091	3.7	40
71	HIV integration sites in latently infected cell lines: evidence of ongoing replication. <i>Retrovirology</i> , 2017 , 14, 2	3.6	37
70	Quantification of integrated HIV DNA by repetitive-sampling Alu-HIV PCR on the basis of poisson statistics. <i>Clinical Chemistry</i> , 2014 , 60, 886-95	5.5	32
69	Angiogenesis and collagen type IV expression in different endothelial cell culture systems. <i>Journal of Veterinary Medicine Series C: Anatomia Histologia Embryologia</i> , 2014 , 43, 103-15	1.1	31
68	During Stably Suppressive Antiretroviral Therapy Integrated HIV-1 DNA Load in Peripheral Blood is Associated with the Frequency of CD8 Cells Expressing HLA-DR/DP/DQ. <i>EBioMedicine</i> , 2015 , 2, 1153-9	8.8	29
67	Impact of a decade of successful antiretroviral therapy initiated at HIV-1 seroconversion on blood and rectal reservoirs. <i>ELife</i> , 2015 , 4, e09115	8.9	28

66	The Future of Digital Polymerase Chain Reaction in Virology. <i>Molecular Diagnosis and Therapy</i> , 2016 , 20, 437-47	4.5	27
65	Critical selection of reliable reference genes for gene expression study in the HepaRG cell line. <i>Biochemical Pharmacology</i> , 2011 , 81, 1255-61	6	25
64	Detection of hypoxia inducible factors and angiogenic growth factors during foetal endochondral and intramembranous ossification. <i>Journal of Veterinary Medicine Series C: Anatomia Histologia Embryologia</i> , 2010 , 39, 376-84	1.1	25
63	Diagnostic utility of droplet digital PCR for HIV reservoir quantification. <i>Journal of Virus Eradication</i> , 2016 , 2, 162-9	2.8	22
62	Differential expression of lncRNAs during the HIV replication cycle: an underestimated layer in the HIV-host interplay. <i>Scientific Reports</i> , 2016 , 6, 36111	4.9	20
61	Accurate quantification of episomal HIV-1 two-long terminal repeat circles by use of optimized DNA isolation and droplet digital PCR. <i>Journal of Clinical Microbiology</i> , 2015 , 53, 699-701	9.7	19
60	Electron microscopic study of the porcine choroid plexus epithelium. <i>Journal of Veterinary Medicine Series C: Anatomia Histologia Embryologia</i> , 2008 , 37, 458-63	1.1	19
59	Quantitative mRNA expression analysis in kidney glomeruli using microdissection techniques. <i>Histology and Histopathology</i> , 2011 , 26, 267-75	1.4	18
58	Evaluation of normalization strategies used in real-time quantitative PCR experiments in HepaRG cell line studies. <i>Clinical Chemistry</i> , 2014 , 60, 451-4	5.5	17
57	Porcine reproductive and respiratory syndrome virus infection is associated with an increased number of Sn-positive and CD8-positive cells in the maternal-fetal interface. <i>Virus Research</i> , 2013 , 176, 285-91	6.4	17
56	In-depth validation of total HIV-1 DNA assays for quantification of various HIV-1 subtypes. <i>Scientific Reports</i> , 2018 , 8, 17274	4.9	17
55	Chorioallantoic Membrane Assay as Model for Angiogenesis in Tissue Engineering: Focus on Stem Cells. <i>Tissue Engineering - Part B: Reviews</i> , 2020 , 26, 519-539	7.9	15
54	The complex TIE between macrophages and angiogenesis. <i>Journal of Veterinary Medicine Series C: Anatomia Histologia Embryologia</i> , 2020 , 49, 585-596	1.1	15
53	HIV-1 RNA and HIV-1 DNA persistence during suppressive ART with PI-based or nevirapine-based regimens. <i>Journal of Antimicrobial Chemotherapy</i> , 2015 , 70, 3311-6	5.1	14
52	Quantitation of angiogenesis in vitro induced by VEGF-A and FGF-2 in two different human endothelial cultures - an all-in-one assay. <i>Clinical Hemorheology and Microcirculation</i> , 2010 , 46, 189-202	2.5	14
51	Fluoxetine suppresses calcium signaling in human T lymphocytes through depletion of intracellular calcium stores. <i>Cell Calcium</i> , 2015 , 58, 254-63	4	13
50	Rapid viral rebound after analytical treatment interruption in patients with very small HIV reservoir and minimal on-going viral transcription. <i>Journal of the International AIDS Society</i> , 2020 , 23, e25453	5.4	13
49	Touchdown digital polymerase chain reaction for quantification of highly conserved sequences in the HIV-1 genome. <i>Analytical Biochemistry</i> , 2013 , 439, 201-3	3.1	12

48	Expression and localization of angiogenic growth factors in developing porcine mesonephric glomeruli. <i>Journal of Histochemistry and Cytochemistry</i> , 2010 , 58, 1045-56	3.4	12
47	Elimination of amplification artifacts in real-time reverse transcription PCR using laser capture microdissected samples. <i>Analytical Biochemistry</i> , 2008 , 382, 72-4	3.1	12
46	Power Doppler ultrasound and contrast-enhanced ultrasound demonstrate non-invasive tumour vascular response to anti-vascular therapy in canine cancer patients. <i>Scientific Reports</i> , 2019 , 9, 9262	4.9	11
45	Long non-coding RNAs and latent HIV - A search for novel targets for latency reversal. <i>PLoS ONE</i> , 2019 , 14, e0224879	3.7	11
44	Angiopietins differentially influence in vitro angiogenesis by endothelial cells of different origin. <i>Clinical Hemorheology and Microcirculation</i> , 2011 , 48, 15-27	2.5	11
43	Underestimated effect of intragenic HIV-1 DNA methylation on viral transcription in infected individuals. <i>Clinical Epigenetics</i> , 2020 , 12, 36	7.7	10
42	Differential microRNA expression analysis in blastocysts by whole mount in situ hybridization and reverse transcription quantitative polymerase chain reaction on laser capture microdissection samples. <i>Analytical Biochemistry</i> , 2012 , 423, 93-101	3.1	10
41	Laser capture microdissection for gene expression analysis of inner cell mass and trophectoderm from blastocysts. <i>Analytical Biochemistry</i> , 2011 , 408, 169-71	3.1	10
40	Characterization of LEDGF/p75 genetic variants and association with HIV-1 disease progression. <i>PLoS ONE</i> , 2012 , 7, e50204	3.7	10
39	Comparison of methods for in-house screening of HLA-B*57:01 to prevent abacavir hypersensitivity in HIV-1 care. <i>PLoS ONE</i> , 2015 , 10, e0123525	3.7	9
38	Localization of erythropoietin in and around growing cartilage. <i>Molecular and Cellular Biochemistry</i> , 2010 , 337, 287-91	4.2	9
37	Evaluation of HIV-1 reservoir levels as possible markers for virological failure during boosted darunavir monotherapy. <i>Journal of Antimicrobial Chemotherapy</i> , 2019 , 74, 3030-3034	5.1	7
36	Replication competent virus as an important source of bias in HIV latency models utilizing single round viral constructs. <i>Retrovirology</i> , 2014 , 11, 70	3.6	7
35	Differences between the ovine tonsils based on an immunohistochemical quantification of the lymphocyte subpopulations. <i>Comparative Immunology, Microbiology and Infectious Diseases</i> , 2011 , 34, 217-25	2.6	6
34	Early treated HIV-1 positive individuals demonstrate similar restriction factor expression profile as long-term non-progressors. <i>EBioMedicine</i> , 2019 , 41, 443-454	8.8	5
33	Stereology and computer assisted three-dimensional reconstruction as tools to study probiotic effects of <i>Aeromonas hydrophila</i> on the digestive tract of germ-free <i>Artemia franciscana</i> nauplii. <i>Journal of Applied Microbiology</i> , 2011 , 110, 98-105	4.7	5
32	Immunohistochemical detection of the angiopietins during porcine metanephric kidney development. <i>Acta Histochemica</i> , 2011 , 113, 585-90	2	5
31	In-vitro viral suppressive capacity correlates with immune checkpoint marker expression on peripheral CD8+ T cells in treated HIV-positive patients. <i>Aids</i> , 2019 , 33, 387-398	3.5	5

30	Robust regression methods for real-time polymerase chain reaction. <i>Analytical Biochemistry</i> , 2015 , 480, 34-6	3.1	4
29	Laser capture microdissection of intestinal tissue from sea bass larvae using an optimized RNA integrity assay and validated reference genes. <i>Scientific Reports</i> , 2016 , 6, 21092	4.9	4
28	Laser capture microdissection for gene expression analysis of specific cell populations in single blastocysts. <i>Methods in Molecular Biology</i> , 2012 , 853, 29-37	1.4	4
27	Triplex digital PCR assays for the quantification of intact proviral HIV-1 DNA. <i>Methods</i> , 2021 ,	4.6	4
26	Protein expression from unintegrated HIV-1 DNA introduces bias in primary in vitro post-integration latency models. <i>Scientific Reports</i> , 2016 , 6, 38329	4.9	4
25	Intussusceptive Pillar Formation in Developing Porcine Glomeruli. <i>Journal of Vascular Research</i> , 2018 , 55, 278-286	1.9	4
24	A single dose of intravenous combretastatin A4-phosphate is reasonably well tolerated and significantly reduces tumour vascularization in canine spontaneous cancers. <i>Veterinary and Comparative Oncology</i> , 2018 , 16, 467-477	2.5	4
23	Stereological and immunogold studies on TIE1 and TIE2 localization in glomeruli indicate angiotensin signaling in podocytes. <i>Micron</i> , 2017 , 97, 6-10	2.3	3
22	Utility of integrated HIV-1 DNA quantification in cure studies. <i>Future Virology</i> , 2017 , 12, 215-225	2.4	3
21	Accurate episomal HIV 2-LTR circles quantification using optimized DNA isolation and droplet digital PCR. <i>Journal of the International AIDS Society</i> , 2014 , 17, 19674	5.4	3
20	The impact of nevirapine- versus protease inhibitor-based regimens on virological markers of HIV-1 persistence during seemingly suppressive ART. <i>Journal of the International AIDS Society</i> , 2014 , 17, 19823-5.4	5.4	3
19	Aviremia 10 Years Postdiscontinuation of Antiretroviral Therapy Initiated During Primary Human Immunodeficiency Virus-1 Infection and Association With Gag-Specific T-Cell Responses. <i>Open Forum Infectious Diseases</i> , 2015 , 2, ofv144	1	3
18	Distribution of the Shadoo protein in the ovine brain assessed by immunohistochemistry. <i>Research in Veterinary Science</i> , 2011 , 90, 372-8	2.5	3
17	<i>Zelotes balcanicus</i> sp. n., a new and widespread species from the Balkan Peninsula (Araneae, Gnaphosidae). A new <i>Zelotes</i> species. <i>Revue Suisse De Zoologie</i> , 2006 , 113, 711-716	0.3	3
16	Minimal Requirements for Primary HIV Latency Models Based on a Systematic Review. <i>AIDS Reviews</i> , 2016 , 18, 171-183	1.5	3
15	HIV Reservoir Characterization Symposium. <i>Journal of Virus Eradication</i> , 2017 , 3, 66-68	2.8	2
14	Paternally expressed retrotransposon Gag-like 1 gene, RTL1, is one of the crucial elements for placental angiogenesis in horses. <i>Biology of Reproduction</i> , 2021 , 104, 1386-1399	3.9	2
13	Flexibility of equine bioenergetics and muscle plasticity in response to different types of training: An integrative approach, questioning existing paradigms. <i>PLoS ONE</i> , 2021 , 16, e0249922	3.7	2

12	Viral markers for HIV cure trials: are we getting any closer?. <i>Journal of Virus Eradication</i> , 2016 , 2, 55-56	2.8	1
11	Corrosion casting of the cardiovascular structure in adult zebrafish for analysis by scanning electron microscopy and X-ray microtomography. <i>Journal of Veterinary Medicine Series C: Anatomia Histologia Embryologia</i> , 2020 , 49, 635-642	1.1	1
10	Antiretrovirals for HIV prevention: when should they be recommended?. <i>Expert Review of Anti-Infective Therapy</i> , 2014 , 12, 431-45	5.5	1
9	Viral markers for HIV cure trials: are we getting any closer?. <i>Journal of Virus Eradication</i> , 2016 , 2, 55-6	2.8	1
8	The use of HIV-1 integration site analysis information in clinical studies aiming at HIV cure. <i>Journal of Virus Eradication</i> , 2016 , 2, 175-6	2.8	1
7	Quantitation of Tumor Angiogenesis In Vitro: An All-In-One Angiogenesis Assay. <i>Methods in Molecular Biology</i> , 2016 , 1464, 185-191	1.4	1
6	Digital Polymerase Chain Reaction for Assessment of Mutant Mitochondrial Carry-over after Nuclear Transfer for In Vitro Fertilization. <i>Clinical Chemistry</i> , 2021 , 67, 968-976	5.5	1
5	Techniques used to assess intussusceptive angiogenesis: A systematic review. <i>Developmental Dynamics</i> , 2021 , 250, 1704-1716	2.9	1
4	Equine Tenocyte Seeding on Gelatin Hydrogels Improves Elongated Morphology. <i>Polymers</i> , 2021 , 13,	4.5	1
3	The granulation (t)issue: A narrative and scoping review of basic and clinical research of the equine distal limb exuberant wound healing disorder.. <i>Veterinary Journal</i> , 2022 , 105790	2.5	0
2	Comparison of Shifts in Skeletal Muscle Plasticity Parameters in Horses in Three Different Muscles, in Answer to 8 Weeks of Harness Training. <i>Frontiers in Veterinary Science</i> , 2021 , 8, 718866	3.1	
1	Development of a 3S5Sdigital PCR assay to determine horse mRNA integrity. <i>Analytical Biochemistry</i> , 2021 , 626, 114217	3.1	