

Dieter Deforce

List of Publications by Citations

Source: <https://exaly.com/author-pdf/2698983/dieter-deforce-publications-by-citations.pdf>

Version: 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

362
papers

8,806
citations

48
h-index

70
g-index

388
ext. papers

10,491
ext. citations

4.9
avg, IF

5.9
L-index

#	Paper	IF	Citations
362	Genome-wide association study of obsessive-compulsive disorder. <i>Molecular Psychiatry</i> , 2013 , 18, 788-98	15.1	244
361	The Chara Genome: Secondary Complexity and Implications for Plant Terrestrialization. <i>Cell</i> , 2018 , 174, 448-464.e24	56.2	213
360	Reduced amounts and abnormal forms of phospholipase C zeta (PLCzeta) in spermatozoa from infertile men. <i>Human Reproduction</i> , 2009 , 24, 2417-28	5.7	208
359	Partitioning the heritability of Tourette syndrome and obsessive compulsive disorder reveals differences in genetic architecture. <i>PLoS Genetics</i> , 2013 , 9, e1003864	6	189
358	Dissection of the phytohormonal regulation of trichome formation and biosynthesis of the antimalarial compound artemisinin in <i>Artemisia annua</i> plants. <i>New Phytologist</i> , 2011 , 189, 176-89	9.8	143
357	Development and validation of an LC-MS/MS method for the simultaneous determination of deoxynivalenol, zearalenone, T-2-toxin and some masked metabolites in different cereals and cereal-derived food. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2012 , 29, 819-35	3.2	111
356	A plant-derived ligand favoring monomeric glucocorticoid receptor conformation with impaired transactivation potential attenuates collagen-induced arthritis. <i>Journal of Immunology</i> , 2008 , 180, 2608-15	5.3	110
355	Joint GC-MS and LC-MS platforms for comprehensive plant metabolomics: repeatability and sample pre-treatment. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2009 , 877, 3572-80	3.2	102
354	Real-time PCR expression profiling of genes encoding potential virulence factors in <i>Candida albicans</i> biofilms: identification of model-dependent and -independent gene expression. <i>BMC Microbiology</i> , 2010 , 10, 114	4.5	102
353	Ancient dispersal of the human fungal pathogen <i>Cryptococcus gattii</i> from the Amazon rainforest. <i>PLoS ONE</i> , 2013 , 8, e71148	3.7	100
352	Development and evaluation of different normalization strategies for gene expression studies in <i>Candida albicans</i> biofilms by real-time PCR. <i>BMC Molecular Biology</i> , 2006 , 7, 25	4.5	100
351	Tracking the progression of the human inner cell mass during embryonic stem cell derivation. <i>Nature Biotechnology</i> , 2012 , 30, 278-82	44.5	99
350	Alternative Routes to Induce Naïve Pluripotency in Human Embryonic Stem Cells. <i>Stem Cells</i> , 2015 , 33, 2686-98	5.8	91
349	TRAPID: an efficient online tool for the functional and comparative analysis of de novo RNA-Seq transcriptomes. <i>Genome Biology</i> , 2013 , 14, R134	18.3	89
348	Simultaneous, quantitative determination of opiates, amphetamines, cocaine and benzoylecgonine in oral fluid by liquid chromatography quadrupole-time-of-flight mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2002 , 779, 321-30	3.2	89
347	Complete nucleotide sequence of CTX-M-15-plasmids from clinical <i>Escherichia coli</i> isolates: insertional events of transposons and insertion sequences. <i>PLoS ONE</i> , 2010 , 5, e11202	3.7	87
346	Forensic STR analysis using massive parallel sequencing. <i>Forensic Science International: Genetics</i> , 2012 , 6, 810-8	4.3	80

345	Analysis of DNA adducts in DNA hydrolysates by capillary zone electrophoresis and capillary zone electrophoresis-electrospray mass spectrometry. <i>Analytical Chemistry</i> , 1996 , 68, 3575-84	7.8	80
344	Current and new approaches in GMO detection: challenges and solutions. <i>BioMed Research International</i> , 2015 , 2015, 392872	3	77
343	Latent sensitivity to Fas-mediated apoptosis after CD40 ligation may explain activity of CD154 gene therapy in chronic lymphocytic leukemia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 3854-9	11.5	75
342	Citrullinated vimentin as an important antigen in immune complexes from synovial fluid of rheumatoid arthritis patients with antibodies against citrullinated proteins. <i>Arthritis Research and Therapy</i> , 2010 , 12, R132	5.7	73
341	Chronically inflamed synovium from spondyloarthritis and rheumatoid arthritis investigated by protein expression profiling followed by tandem mass spectrometry. <i>Proteomics</i> , 2005 , 5, 2247-57	4.8	72
340	Mass spectrometry-based proteomics as a tool to identify biological matrices in forensic science. <i>International Journal of Legal Medicine</i> , 2013 , 127, 287-98	3.1	70
339	Differential transcriptome analysis of glandular and filamentous trichomes in <i>Artemisia annua</i> . <i>BMC Plant Biology</i> , 2013 , 13, 220	5.3	69
338	Diagnostic value of anti-human citrullinated fibrinogen ELISA and comparison with four other anti-citrullinated protein assays. <i>Arthritis Research and Therapy</i> , 2006 , 8, R122	5.7	69
337	Association between serotonergic candidate genes and specific phenotypes of obsessive compulsive disorder. <i>Journal of Affective Disorders</i> , 2006 , 91, 39-44	6.6	67
336	Quantitation of artemisinin and its biosynthetic precursors in <i>Artemisia annua</i> L. by high performance liquid chromatography-electrospray quadrupole time-of-flight tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2006 , 1118, 180-7	4.5	65
335	OSC2 and CYP716A14v2 catalyze the biosynthesis of triterpenoids for the cuticle of aerial organs of <i>Artemisia annua</i> . <i>Plant Cell</i> , 2015 , 27, 286-301	11.6	64
334	Progranulin expression correlates with dense-core amyloid plaque burden in Alzheimer disease mouse models. <i>Journal of Pathology</i> , 2009 , 219, 173-81	9.4	63
333	Synovial detection and autoantibody reactivity of processed citrullinated isoforms of vimentin in inflammatory arthritides. <i>Rheumatology</i> , 2008 , 47, 597-604	3.9	63
332	Chromosomal mosaicism in human blastocysts: the ultimate challenge of preimplantation genetic testing?. <i>Human Reproduction</i> , 2018 , 33, 1342-1354	5.7	63
331	My-Forensic-Loci-queries (MyFLq) framework for analysis of forensic STR data generated by massive parallel sequencing. <i>Forensic Science International: Genetics</i> , 2014 , 9, 1-8	4.3	59
330	The HCV serum proteome: a search for fibrosis protein markers. <i>Journal of Viral Hepatitis</i> , 2009 , 16, 418-39	3.9	59
329	Differential proteome analysis of normal and osteoarthritic chondrocytes reveals distortion of vimentin network in osteoarthritis. <i>Osteoarthritis and Cartilage</i> , 2008 , 16, 163-73	6.2	59
328	Association between the dopamine D2 receptor TaqI A2 allele and low activity COMT allele with obsessive-compulsive disorder in males. <i>European Neuropsychopharmacology</i> , 2006 , 16, 446-50	1.2	58

327	Laser capture microdissection in forensic research: a review. <i>International Journal of Legal Medicine</i> , 2010 , 124, 513-21	3.1	57
326	Presence and potential of cell free DNA in different types of forensic samples. <i>Forensic Science International: Genetics</i> , 2013 , 7, 316-20	4.3	54
325	Assessment of microbial diversity in biofilms recovered from endotracheal tubes using culture dependent and independent approaches. <i>PLoS ONE</i> , 2012 , 7, e38401	3.7	54
324	Selective serotonin reuptake inhibitors as a novel class of immunosuppressants. <i>International Immunopharmacology</i> , 2014 , 20, 148-56	5.8	53
323	The relevance of citrullinated vimentin in the production of antibodies against citrullinated proteins and the pathogenesis of rheumatoid arthritis. <i>Rheumatology</i> , 2011 , 50, 830-7	3.9	53
322	A single early activation of invariant NK T cells confers long-term protection against collagen-induced arthritis in a ligand-specific manner. <i>Journal of Immunology</i> , 2007 , 179, 2300-9	5.3	51
321	Prediction of response to paroxetine and venlafaxine by serotonin-related genes in obsessive-compulsive disorder in a randomized, double-blind trial. <i>Journal of Clinical Psychiatry</i> , 2007 , 68, 747-53	4.6	51
320	Integrative Proteomic Profiling Reveals PRC2-Dependent Epigenetic Crosstalk Maintains Ground-State Pluripotency. <i>Cell Stem Cell</i> , 2019 , 24, 123-137.e8	18	50
319	Application of a new anti-zearalenone monoclonal antibody in different immunoassay formats. <i>Analytical and Bioanalytical Chemistry</i> , 2009 , 395, 1301-7	4.4	49
318	Tryptic peptide analysis of protein binders in works of art by liquid chromatography-tandem mass spectrometry. <i>Analytica Chimica Acta</i> , 2010 , 658, 156-62	6.6	49
317	Unbreakable codes in electrospun fibers: digitally encoded polymers to stop medicine counterfeiting. <i>Advanced Materials</i> , 2010 , 22, 2657-62	24	49
316	Analysis of nucleic acid constituents by on-line capillary electrophoresis-mass spectrometry. <i>Electrophoresis</i> , 2005 , 26, 1221-53	3.6	49
315	Quantitative bias in Illumina TruSeq and a novel post amplification barcoding strategy for multiplexed DNA and small RNA deep sequencing. <i>PLoS ONE</i> , 2011 , 6, e26969	3.7	49
314	In vitro inhibition of the transcription factor NF- κ B and cyclooxygenase by bamboo extracts. <i>Phytotherapy Research</i> , 2014 , 28, 224-30	6.7	47
313	Illumina mate-paired DNA sequencing-library preparation using Cre-Lox recombination. <i>Nucleic Acids Research</i> , 2012 , 40, e24	20.1	47
312	Molecular diagnostics for congenital hearing loss including 15 deafness genes using a next generation sequencing platform. <i>BMC Medical Genomics</i> , 2012 , 5, 17	3.7	46
311	Proteomic analysis of the excretory-secretory products from larval stages of <i>Ascaris suum</i> reveals high abundance of glycosyl hydrolases. <i>PLoS Neglected Tropical Diseases</i> , 2013 , 7, e2467	4.8	46
310	Histone proteolysis: a proposal for categorization into 'clipping' and 'degradation'. <i>BioEssays</i> , 2015 , 37, 70-9	4.1	45

309	CRISPR/Cas9 mediated knockout of rb1 and rbl1 leads to rapid and penetrant retinoblastoma development in <i>Xenopus tropicalis</i> . <i>Scientific Reports</i> , 2016 , 6, 35264	4.9	45
308	Suboptimal culture conditions induce more deviations in gene expression in male than female bovine blastocysts. <i>BMC Genomics</i> , 2016 , 17, 72	4.5	45
307	Direct comparison of distinct naive pluripotent states in human embryonic stem cells. <i>Nature Communications</i> , 2017 , 8, 15055	17.4	44
306	DNA typing of fingerprints using capillary electrophoresis: effect of dactyloscopic powders. <i>Electrophoresis</i> , 1999 , 20, 2870-6	3.6	44
305	Automatic detection of spermatozoa for laser capture microdissection. <i>International Journal of Legal Medicine</i> , 2009 , 123, 169-75	3.1	43
304	<i>Batrachochytrium dendrobatidis</i> zoospore secretions rapidly disturb intercellular junctions in frog skin. <i>Fungal Genetics and Biology</i> , 2012 , 49, 830-7	3.9	42
303	TBX2 is a neuroblastoma core regulatory circuitry component enhancing MYCN/FOXM1 reactivation of DREAM targets. <i>Nature Communications</i> , 2018 , 9, 4866	17.4	42
302	Statistical framework for detection of genetically modified organisms based on Next Generation Sequencing. <i>Food Chemistry</i> , 2016 , 192, 788-98	8.5	40
301	The determination of cocaine, benzoylecgonine, and cocaethylene in small-volume oral fluid samples by liquid chromatography-quadrupole-time-of-flight mass spectrometry. <i>Journal of Analytical Toxicology</i> , 2004 , 28, 655-9	2.9	40
300	Transcriptome analysis of <i>Bombyx mori</i> larval midgut during persistent and pathogenic cytoplasmic polyhedrosis virus infection. <i>PLoS ONE</i> , 2015 , 10, e0121447	3.7	40
299	Invariant natural killer T cells are natural regulators of murine spondylarthritis. <i>Arthritis and Rheumatism</i> , 2010 , 62, 988-99		39
298	In vivo study of Dicer-2-mediated immune response of the small interfering RNA pathway upon systemic infections of virulent and avirulent viruses in <i>Bombus terrestris</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2016 , 70, 127-37	4.5	38
297	Laser capture microdissection: should an ultraviolet or infrared laser be used?. <i>Analytical Biochemistry</i> , 2013 , 439, 88-98	3.1	38
296	Monitoring ALS1 and ALS3 gene expression during in vitro <i>Candida albicans</i> biofilm formation under continuous flow conditions. <i>Mycopathologia</i> , 2009 , 167, 9-17	2.9	38
295	Identification of histone H3 clipping activity in human embryonic stem cells. <i>Stem Cell Research</i> , 2014 , 13, 123-34	1.6	37
294	Growth differentiation factor 15, a marker of lung involvement in systemic sclerosis, is involved in fibrosis development but is not indispensable for fibrosis development. <i>Arthritis and Rheumatology</i> , 2014 , 66, 418-27	9.5	37
293	Passive immunization to reduce <i>Campylobacter jejuni</i> colonization and transmission in broiler chickens. <i>Veterinary Research</i> , 2014 , 45, 27	3.8	37
292	Dendritic cells from spondylarthritis-prone HLA-B27-transgenic rats display altered cytoskeletal dynamics, class II major histocompatibility complex expression, and viability. <i>Arthritis and Rheumatism</i> , 2009 , 60, 2622-32		37

291	LC-MS metabolic profiling of <i>Arabidopsis thaliana</i> plant leaves and cell cultures: optimization of pre-LC-MS procedure parameters. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2008 , 871, 37-43	3.2	37
290	Autocrine embryotropins revisited: how do embryos communicate with each other in vitro when cultured in groups?. <i>Biological Reviews</i> , 2017 , 92, 505-520	13.5	36
289	Forensic SNP Genotyping using Nanopore MinION Sequencing. <i>Scientific Reports</i> , 2017 , 7, 41759	4.9	36
288	Minimizing technical variation during sample preparation prior to label-free quantitative mass spectrometry. <i>Analytical Biochemistry</i> , 2015 , 490, 14-9	3.1	36
287	Genetically Modified Micro-Organisms for Industrial Food Enzyme Production: An Overview. <i>Foods</i> , 2020 , 9,	4.9	36
286	Transgenerational Inheritance of DNA Hypomethylation in <i>Daphnia magna</i> in Response to Salinity Stress. <i>Environmental Science & Technology</i> , 2018 , 52, 10114-10123	10.3	36
285	Perfrin, a novel bacteriocin associated with netB positive <i>Clostridium perfringens</i> strains from broilers with necrotic enteritis. <i>Veterinary Research</i> , 2014 , 45, 40	3.8	36
284	Viral Small-RNA Analysis of <i>Bombyx mori</i> Larval Midgut during Persistent and Pathogenic Cytoplasmic Polyhedrosis Virus Infection. <i>Journal of Virology</i> , 2015 , 89, 11473-86	6.6	35
283	Comparative analysis of naive, primed and ground state pluripotency in mouse embryonic stem cells originating from the same genetic background. <i>Scientific Reports</i> , 2018 , 8, 5884	4.9	35
282	Whole genome amplification with SurePlex results in better copy number alteration detection using sequencing data compared to the MALBAC method. <i>Scientific Reports</i> , 2015 , 5, 11711	4.9	35
281	Cutting edge: the chemokine receptor CXCR3 retains invariant NK T cells in the thymus. <i>Journal of Immunology</i> , 2009 , 183, 2213-6	5.3	35
280	Shorter CAG repeats in the androgen receptor gene may enhance hyperandrogenicity in polycystic ovary syndrome. <i>Gynecological Endocrinology</i> , 2008 , 24, 669-73	2.4	35
279	Practical tools to implement massive parallel pyrosequencing of PCR products in next generation molecular diagnostics. <i>PLoS ONE</i> , 2011 , 6, e25531	3.7	35
278	Transcriptional response to fluconazole and amphotericin B in <i>Candida albicans</i> biofilms. <i>Research in Microbiology</i> , 2010 , 161, 284-92	4	34
277	Antioxidant flavone glycosides from the leaves of <i>Fargesia robusta</i> . <i>Journal of Natural Products</i> , 2010 , 73, 1573-7	4.9	34
276	Targeting aminopeptidase N, a newly identified receptor for F4ac fimbriae, enhances the intestinal mucosal immune response. <i>Mucosal Immunology</i> , 2012 , 5, 635-45	9.2	34
275	Shallow whole genome sequencing is well suited for the detection of chromosomal aberrations in human blastocysts. <i>Fertility and Sterility</i> , 2015 , 104, 1276-85.e1	4.8	33
274	Proteins involved in embryo-maternal interaction around the signalling of maternal recognition of pregnancy in the horse. <i>Scientific Reports</i> , 2018 , 8, 5249	4.9	33

273	An innovative and integrated approach based on DNA walking to identify unauthorised GMOs. <i>Food Chemistry</i> , 2014 , 147, 60-9	8.5	33
272	Do all anti-citrullinated protein/peptide antibody tests measure the same? Evaluation of discrepancy between anti-citrullinated protein/peptide antibody tests in patients with and without rheumatoid arthritis. <i>Annals of the Rheumatic Diseases</i> , 2008 , 67, 542-6	2.4	33
271	Performance of four modern whole genome amplification methods for copy number variant detection in single cells. <i>Scientific Reports</i> , 2017 , 7, 3422	4.9	32
270	Transport of hop bitter acids across intestinal Caco-2 cell monolayers. <i>Journal of Agricultural and Food Chemistry</i> , 2010 , 58, 4132-40	5.7	32
269	16S rRNA Amplicon Sequencing Demonstrates that Indoor-Reared Bumblebees (<i>Bombus terrestris</i>) Harbor a Core Subset of Bacteria Normally Associated with the Wild Host. <i>PLoS ONE</i> , 2015 , 10, e0125152	3.7	31
268	Fetal microchimeric cells in blood of women with an autoimmune thyroid disease. <i>PLoS ONE</i> , 2011 , 6, e29646	3.7	31
267	Improved canine exome designs, featuring ncRNAs and increased coverage of protein coding genes. <i>Scientific Reports</i> , 2015 , 5, 12810	4.9	30
266	Caspase-14-deficient mice are more prone to the development of parakeratosis. <i>Journal of Investigative Dermatology</i> , 2013 , 133, 742-750	4.3	30
265	A unique lymphotoxin α -dependent pathway regulates thymic emigration of α 14 invariant natural killer T cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 9160-5	11.5	29
264	Validation of a sensitive DNA walking strategy to characterise unauthorised GMOs using model food matrices mimicking common rice products. <i>Food Chemistry</i> , 2015 , 173, 1259-65	8.5	28
263	Pitfalls in histone propionylation during bottom-up mass spectrometry analysis. <i>Proteomics</i> , 2015 , 15, 2966-71	4.8	28
262	Modification of citrulline residues with 2,3-butanedione facilitates their detection by liquid chromatography/mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2011 , 25, 1536-42	2.2	28
261	Synthesis and in vitro cytotoxicity of aminocoumarin platinum(II) complexes. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1997 , 7, 2165-2168	2.9	28
260	Comparison of slab gel electrophoresis and capillary electrophoresis for the detection of the fluorescently labeled polymerase chain reaction products of short tandem repeat fragments. <i>Journal of Chromatography A</i> , 1998 , 806, 149-55	4.5	28
259	Characterization of DNA Oligonucleotides by Coupling of Capillary Zone Electrophoresis to Electrospray Ionization Q-TOF Mass Spectrometry. <i>Analytical Chemistry</i> , 1998 , 70, 3060-3068	7.8	28
258	The Equine Embryo Influences Immune-Related Gene Expression in the Oviduct. <i>Biology of Reproduction</i> , 2016 , 94, 36	3.9	27
257	Optimization and diagnostic performance of a single multiparameter lineblot in the serological workup of systemic sclerosis. <i>Journal of Immunological Methods</i> , 2012 , 379, 53-60	2.5	27
256	Reference loci for RT-qPCR analysis of differentiating human embryonic stem cells. <i>BMC Molecular Biology</i> , 2013 , 14, 21	4.5	27

255	In vivo relevance of citrullinated proteins and the challenges in their detection. <i>Proteomics</i> , 2012 , 12, 752-60	4.8	27
254	Suspension fluorescence in situ hybridization (S-FISH) combined with automatic detection and laser microdissection for STR profiling of male cells in male/female mixtures. <i>International Journal of Legal Medicine</i> , 2009 , 123, 441-7	3.1	27
253	Optimization of solid-phase extraction for a liquid chromatographic-tandem mass spectrometric general unknown screening procedure by means of computational techniques. <i>Journal of Chromatography A</i> , 2004 , 1056, 57-65	4.5	27
252	A multi-omics analysis of the grapevine pathogen <i>Lasiodiplodia theobromae</i> reveals that temperature affects the expression of virulence- and pathogenicity-related genes. <i>Scientific Reports</i> , 2019 , 9, 13144	4.9	26
251	The Ontogeny of Cytochrome P450 Enzyme Activity and Protein Abundance in Conventional Pigs in Support of Preclinical Pediatric Drug Research. <i>Frontiers in Pharmacology</i> , 2018 , 9, 470	5.6	26
250	Evaluation of hydrophilic interaction chromatography versus reversed-phase chromatography in a plant metabolomics perspective. <i>Journal of Separation Science</i> , 2008 , 31, 1609-14	3.4	26
249	An integrated strategy combining DNA walking and NGS to detect GMOs. <i>Food Chemistry</i> , 2017 , 232, 351-358	8.5	25
248	NKT cells: manipulable managers of joint inflammation. <i>Rheumatology</i> , 2007 , 46, 565-71	3.9	25
247	X linked agammaglobulinaemia and rheumatoid arthritis. <i>Annals of the Rheumatic Diseases</i> , 2005 , 64, 1075-8	2.4	25
246	Unique long non-coding RNA expression signature in ETV6/RUNX1-driven B-cell precursor acute lymphoblastic leukemia. <i>Oncotarget</i> , 2016 , 7, 73769-73780	3.3	25
245	Colony contact contributes to the diversity of gut bacteria in bumblebees (<i>Bombus terrestris</i>). <i>Insect Science</i> , 2017 , 24, 270-277	3.6	24
244	Proteome of equine oviducal fluid: effects of ovulation and pregnancy. <i>Reproduction, Fertility and Development</i> , 2017 , 29, 1085-1095	1.8	24
243	Genome-wide transcription start site profiling in biofilm-grown <i>Burkholderia cenocepacia</i> J2315. <i>BMC Genomics</i> , 2015 , 16, 775	4.5	24
242	Forensic massively parallel sequencing data analysis tool: Implementation of MyFLq as a standalone web- and Illumina BaseSpace(™)-application. <i>Forensic Science International: Genetics</i> , 2015 , 15, 2-7	4.3	24
241	T-2 toxin induced <i>Salmonella</i> Typhimurium intoxication results in decreased <i>Salmonella</i> numbers in the cecum contents of pigs, despite marked effects on <i>Salmonella</i> -host cell interactions. <i>Veterinary Research</i> , 2012 , 43, 22	3.8	24
240	The combination of inhibitors of FGF/MEK/Erk and GSK3β signaling increases the number of OCT3/4- and NANOG-positive cells in the human inner cell mass, but does not improve stem cell derivation. <i>Stem Cells and Development</i> , 2013 , 22, 296-306	4.4	24
239	Galectin-3-binding protein: a serological and histological assessment in accordance with hepatitis C-related liver fibrosis. <i>European Journal of Gastroenterology and Hepatology</i> , 2010 , 22, 1066-73	2.2	24
238	Proteome characterization of human articular chondrocytes leads to novel insights in the function of small heat-shock proteins in chondrocyte homeostasis. <i>Osteoarthritis and Cartilage</i> , 2010 , 18, 440-6	6.2	24

237	Analysis of melphalan adducts of 2'-deoxynucleotides in calf thymus DNA hydrolysates by capillary high-performance liquid chromatography-electrospray tandem mass spectrometry. <i>Biomedical Applications</i> , 1999 , 736, 43-59		24
236	Deguelin inhibits expression of IkappaBalpha protein and induces apoptosis of B-CLL cells in vitro. <i>Leukemia</i> , 2007 , 21, 1610-8	10.7	23
235	Removing the Hidden Data Dependency of DIA with Predicted Spectral Libraries. <i>Proteomics</i> , 2020 , 20, e1900306	4.8	23
234	Plasma Functionalization of Polycaprolactone Nanofibers Changes Protein Interactions with Cells, Resulting in Increased Cell Viability. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 41962-41977	9.5	23
233	Metabolism of hop-derived bitter acids. <i>Journal of Agricultural and Food Chemistry</i> , 2013 , 61, 7916-24	5.7	22
232	Evaluation of three DNA extraction protocols for forensic STR typing after laser capture microdissection. <i>Forensic Science International: Genetics</i> , 2012 , 6, 258-62	4.3	22
231	Biotech rice: Current developments and future detection challenges in food and feed chain. <i>Trends in Food Science and Technology</i> , 2016 , 52, 66-79	15.3	21
230	Safety assessment of the butyrate-producing <i>Butyricoccus pullicaecorum</i> strain 25-3(T), a potential probiotic for patients with inflammatory bowel disease, based on oral toxicity tests and whole genome sequencing. <i>Food and Chemical Toxicology</i> , 2014 , 72, 129-37	4.7	21
229	Exogenous supplementation of Activin A enhances germ cell differentiation of human embryonic stem cells. <i>Molecular Human Reproduction</i> , 2015 , 21, 410-23	4.4	21
228	The influence of early embryo traits on human embryonic stem cell derivation efficiency. <i>Stem Cells and Development</i> , 2011 , 20, 785-93	4.4	21
227	Analysis of the DNA damage induced by phenyl glycidyl ether using capillary zone electrophoresis-electrospray mass spectrometry. <i>Analytical Biochemistry</i> , 1998 , 258, 331-8	3.1	21
226	A doubling of microphytobenthos biomass coincides with a tenfold increase in denitrifier and total bacterial abundances in intertidal sediments of a temperate estuary. <i>PLoS ONE</i> , 2015 , 10, e0126583	3.7	21
225	Host metabolites stimulate the bacterial proton motive force to enhance the activity of aminoglycoside antibiotics. <i>PLoS Pathogens</i> , 2019 , 15, e1007697	7.6	20
224	Bovine Embryo-Secreted microRNA-30c Is a Potential Non-invasive Biomarker for Hampered Preimplantation Developmental Competence. <i>Frontiers in Genetics</i> , 2019 , 10, 315	4.5	20
223	Efficiency of exome sequencing for the molecular diagnosis of pseudoxanthoma elasticum. <i>Journal of Investigative Dermatology</i> , 2015 , 135, 992-998	4.3	20
222	BMP-SMAD Signaling Regulates Lineage Priming, but Is Dispensable for Self-Renewal in Mouse Embryonic Stem Cells. <i>Stem Cell Reports</i> , 2016 , 6, 85-94	8	20
221	Divergence between the Highly Virulent Zoonotic Pathogen <i>Helicobacter heilmannii</i> and Its Closest Relative, the Low-Virulence " <i>Helicobacter ailurogastricus</i> " sp. nov. <i>Infection and Immunity</i> , 2016 , 84, 293-306	3.7	20
220	Development and performance of a targeted whole exome sequencing enrichment kit for the dog (<i>Canis Familiaris</i> Build 3.1). <i>Scientific Reports</i> , 2014 , 4, 5597	4.9	20

219	Influence of activin A supplementation during human embryonic stem cell derivation on germ cell differentiation potential. <i>Stem Cells and Development</i> , 2013 , 22, 3141-55	4.4	20
218	The transcriptome of <i>Mycobacterium tuberculosis</i> in a lipid-rich dormancy model through RNAseq analysis. <i>Scientific Reports</i> , 2017 , 7, 17665	4.9	20
217	Comparative proteome analysis of porcine follicular fluid and serum reveals that excessive alpha(2)-macroglobulin in serum hampers successful expansion of cumulus-oocyte complexes. <i>Proteomics</i> , 2009 , 9, 4554-65	4.8	20
216	First draft genome assembly of the desert locust, <i>Schistocerca gregaria</i> . <i>F1000Research</i> , 2020 , 9, 775	3.6	20
215	Presence and analysis of plasmids in human and animal associated arcobacter species. <i>PLoS ONE</i> , 2014 , 9, e85487	3.7	20
214	Characterization of Porcine Hepatic and Intestinal Drug Metabolizing CYP450: Comparison with Human Orthologues from A Quantitative, Activity and Selectivity Perspective. <i>Scientific Reports</i> , 2019 , 9, 9233	4.9	19
213	Impact of sugar syrup and pollen diet on the bacterial diversity in the gut of indoor-reared bumblebees (<i>Bombus terrestris</i>). <i>Apidologie</i> , 2016 , 47, 548-560	2.3	19
212	Refined candidate region for F4ab/ac enterotoxigenic <i>Escherichia coli</i> susceptibility situated proximal to MUC13 in pigs. <i>PLoS ONE</i> , 2014 , 9, e105013	3.7	19
211	iTRAQ as a method for optimization: enhancing peptide recovery after gel fractionation. <i>Proteomics</i> , 2014 , 14, 680-4	4.8	19
210	Phenolic compounds and anti-oxidant capacity of twelve morphologically heterogeneous bamboo species. <i>Phytochemical Analysis</i> , 2012 , 23, 433-43	3.4	19
209	Differential expression of alphaB-crystallin and evidence of its role as a mediator of matrix gene expression in osteoarthritis. <i>Arthritis and Rheumatism</i> , 2009 , 60, 179-88		19
208	Analysis of the DNA adducts of phenyl glycidyl ether in a calf thymus DNA hydrolysate by capillary zone electrophoresis-electrospray mass spectrometry: evidence for phosphate alkylation. <i>Carcinogenesis</i> , 1998 , 19, 1077-86	4.6	19
207	Forensic tri-allelic SNP genotyping using nanopore sequencing. <i>Forensic Science International: Genetics</i> , 2019 , 38, 204-210	4.3	19
206	The transcriptome of the marine calanoid copepod <i>Temora longicornis</i> under heat stress and recovery. <i>Marine Environmental Research</i> , 2019 , 143, 10-23	3.3	19
205	Nanopore sequencing technology: a new route for the fast detection of unauthorized GMO. <i>Scientific Reports</i> , 2018 , 8, 7903	4.9	19
204	Assessment of nuclear transfer techniques to prevent the transmission of heritable mitochondrial disorders without compromising embryonic development competence in mice. <i>Mitochondrion</i> , 2014 , 18, 27-33	4.9	18
203	Differentiation of F4 receptor profiles in pigs based on their mucin 4 polymorphism, responsiveness to oral F4 immunization and in vitro binding of F4 to villi. <i>Veterinary Immunology and Immunopathology</i> , 2013 , 152, 93-100	2	18
202	Variations in the exome of the LNCaP prostate cancer cell line. <i>Prostate</i> , 2012 , 72, 1317-27	4.2	18

201	Exact mass measurement of product ions for the structural confirmation and identification of unknown compounds using a quadrupole time-of-flight spectrometer: a simplified approach using combined tandem mass spectrometric functions. <i>Rapid Communications in Mass Spectrometry</i> , 2003 , 17, 1443-8	2.2	18
200	Integrated DNA walking system to characterize a broad spectrum of GMOs in food/feed matrices. <i>BMC Biotechnology</i> , 2015 , 15, 76	3.5	17
199	Mutation-free baby born from a mitochondrial encephalopathy, lactic acidosis and stroke-like syndrome carrier after blastocyst trophectoderm preimplantation genetic diagnosis. <i>Mitochondrion</i> , 2014 , 18, 12-7	4.9	17
198	Treatment of human embryos with the TGF β inhibitor SB431542 increases epiblast proliferation and permits successful human embryonic stem cell derivation. <i>Human Reproduction</i> , 2014 , 29, 41-8	5.7	17
197	Genome Sequence of Helicobacter heilmannii Sensu Stricto ASB1 Isolated from the Gastric Mucosa of a Kitten with Severe Gastritis. <i>Genome Announcements</i> , 2013 , 1,		17
196	Analysis of benzo[a]pyrene diol epoxide-DNA adducts by capillary zone electrophoresis-electrospray ionization-mass spectrometry in conjunction with sample stacking. <i>Electrophoresis</i> , 2002 , 23, 4092-103	3.6	17
195	Tackling aspecific side reactions during histone propionylation: The promise of reversing overpropionylation. <i>Proteomics</i> , 2016 , 16, 1970-4	4.8	17
194	The novel 'Candidatus Amphibiichlamydia ranarum' is highly prevalent in invasive exotic bullfrogs (Lithobates catesbeianus). <i>Environmental Microbiology Reports</i> , 2013 , 5, 105-8	3.7	16
193	Bioavailability of hop-derived iso- α -acids and reduced derivatives. <i>Food and Function</i> , 2011 , 2, 412-22	6.1	16
192	Response to serotonin reuptake inhibitors in OCD is not influenced by common CYP2D6 polymorphisms. <i>International Journal of Psychiatry in Clinical Practice</i> , 2009 , 13, 345-348	2.4	16
191	Impact of allelic dropout on evidential value of forensic DNA profiles using RMNE. <i>Bioinformatics</i> , 2009 , 25, 225-9	7.2	16
190	Oncogenic ZEB2 activation drives sensitivity toward KDM1A inhibition in T-cell acute lymphoblastic leukemia. <i>Blood</i> , 2017 , 129, 981-990	2.2	15
189	Metabolic activity, urease production, antibiotic resistance and virulence in dual species biofilms of Staphylococcus epidermidis and Staphylococcus aureus. <i>PLoS ONE</i> , 2017 , 12, e0172700	3.7	15
188	Skin mucosome activity as an indicator of Batrachochytrium salamandrivorans susceptibility in salamanders. <i>PLoS ONE</i> , 2018 , 13, e0199295	3.7	15
187	Fluoxetine reduces murine graft-versus-host disease by induction of T cell immunosuppression. <i>Journal of NeuroImmune Pharmacology</i> , 2013 , 8, 934-43	6.9	15
186	Phospho-iTRAQ: assessing isobaric labels for the large-scale study of phosphopeptide stoichiometry. <i>Journal of Proteome Research</i> , 2015 , 14, 839-49	5.6	15
185	Fast nuclear staining of head hair roots as a screening method for successful STR analysis in forensics. <i>Forensic Science International: Genetics</i> , 2014 , 13, 191-4	4.3	15
184	Poor correlation between polar bodies and blastomere mutation load in a patient with m.3243A>G tRNA ^{Leu} (UUR) point mutation. <i>Mitochondrion</i> , 2012 , 12, 477-9	4.9	15

183	Immunizing pigs with <i>Ascaris suum</i> haemoglobin increases the inflammatory response in the liver but fails to induce a protective immunity. <i>Parasite Immunology</i> , 2011 , 33, 250-4	2.2	15
182	Rapid characterization of oligonucleotides by capillary liquid chromatography-nano electrospray quadrupole time-of-flight mass spectrometry. <i>Journal of Chromatography A</i> , 2004 , 1052, 93-101	4.5	15
181	Development of a quality control method for the characterization of oligonucleotides by capillary zone electrophoresis-electrospray ionization-quadrupole time of flight-mass spectrometry. <i>Electrophoresis</i> , 2005 , 26, 1412-23	3.6	15
180	Host intestinal biomarker identification in a gut leakage model in broilers. <i>Veterinary Research</i> , 2019 , 50, 46	3.8	14
179	Differential transcriptome analysis of the common shrimp <i>Crangon crangon</i> : special focus on the nuclear receptors and RNAi-related genes. <i>General and Comparative Endocrinology</i> , 2015 , 212, 163-77	3	14
178	Nanopore Sequencing of a Forensic STR Multiplex Reveals Loci Suitable for Single-Contributor STR Profiling. <i>Genes</i> , 2020 , 11,	4.2	14
177	Comparison of Three Methods to Quantify Laxity in the Canine Hip Joint. <i>Veterinary and Comparative Orthopaedics and Traumatology</i> , 2018 , 31, 23-29	1.2	14
176	Extracting histones for the specific purpose of label-free MS. <i>Proteomics</i> , 2016 , 16, 2937-2944	4.8	14
175	Host Stress Drives Salmonella Recrudescence. <i>Scientific Reports</i> , 2016 , 6, 20849	4.9	14
174	Heterologous screening of hybridomas for the development of broad-specific monoclonal antibodies against deoxynivalenol and its analogues. <i>World Mycotoxin Journal</i> , 2014 , 7, 257-265	2.5	14
173	Tailoring Cellular Uptake of Gold Nanoparticles Via the Hydrophilic-to-Hydrophobic Ratio of their (Co)polymer Coating. <i>Advanced Functional Materials</i> , 2015 , 25, 3433-3439	15.6	14
172	A systematic analysis of the suitability of preimplantation genetic diagnosis for mitochondrial diseases in a heteroplasmic mitochondrial mouse model. <i>Human Reproduction</i> , 2014 , 29, 852-9	5.7	14
171	Catechol-O-methyltransferase gene expression is associated with response to citalopram in obsessive-compulsive disorder. <i>International Journal of Psychiatry in Clinical Practice</i> , 2012 , 16, 277-83	2.4	14
170	Influence of reaction medium during synthesis of Gantrez AN 119 nanoparticles for oral vaccination. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2010 , 74, 202-8	5.7	14
169	The role of the COMT Val(158)Met polymorphism in the phenotypic expression of obsessive-compulsive disorder. <i>American Journal of Medical Genetics Part B: Neuropsychiatric Genetics</i> , 2010 , 153B, 167-76	3.5	14
168	Analysing 454 amplicon resequencing experiments using the modular and database oriented Variant Identification Pipeline. <i>BMC Bioinformatics</i> , 2010 , 11, 269	3.6	14
167	Proteomics in liver fibrosis is more than meets the eye. <i>European Journal of Gastroenterology and Hepatology</i> , 2008 , 20, 450-64	2.2	14
166	Rheumatology: a close encounter with proteomics. <i>Rheumatology</i> , 2005 , 44, 1217-26	3.9	14

165	Honey bee predisposition of resistance to ubiquitous mite infestations. <i>Scientific Reports</i> , 2019 , 9, 7794	4.9	13
164	Fluoxetine suppresses calcium signaling in human T lymphocytes through depletion of intracellular calcium stores. <i>Cell Calcium</i> , 2015 , 58, 254-63	4	13
163	A different gut microbial community between larvae and adults of a wild bumblebee nest (<i>Bombus pascuorum</i>). <i>Insect Science</i> , 2018 , 25, 66-74	3.6	13
162	Pre-clinical evaluation of second generation PIM inhibitors for the treatment of T-cell acute lymphoblastic leukemia and lymphoma. <i>Haematologica</i> , 2019 , 104, e17-e20	6.6	13
161	Sesquiterpene lactones from the extracts of two Balkan endemic <i>Laserpitium</i> species and their cytotoxic activity. <i>Phytochemistry</i> , 2013 , 87, 102-11	4	13
160	Comparison of fractionation proteomics for local SWATH library building. <i>Proteomics</i> , 2017 , 17, 17000524.8	4.8	13
159	Application Of Small Molecules Favoring Naïve Pluripotency during Human Embryonic Stem Cell Derivation. <i>Cellular Reprogramming</i> , 2015 , 17, 170-80	2.1	13
158	Fluorescence imaging of mitochondria in cultured skin fibroblasts: a useful method for the detection of oxidative phosphorylation defects. <i>Pediatric Research</i> , 2012 , 72, 232-40	3.2	13
157	Population genetic study of four short tandem repeat loci in the Belgian population, using capillary electrophoresis. <i>Electrophoresis</i> , 1998 , 19, 719-22	3.6	13
156	Dynamic epigenetic changes to VHL occur with sunitinib in metastatic clear cell renal cancer. <i>Oncotarget</i> , 2016 , 7, 25241-50	3.3	13
155	Endometrial stromal cell proteome mapping in repeated implantation failure and recurrent pregnancy loss cases and fertile women. <i>Reproductive BioMedicine Online</i> , 2019 , 38, 442-454	4	13
154	Strategy for the identification of micro-organisms producing food and feed products: Bacteria producing food enzymes as study case. <i>Food Chemistry</i> , 2020 , 305, 125431	8.5	13
153	Cellular Heterogeneity in the Level of mtDNA Heteroplasmy in Mouse Embryonic Stem Cells. <i>Cell Reports</i> , 2015 , 13, 1304-1309	10.6	12
152	Prenylated chalcone xanthohumol associates with histones in breast cancer cells—a novel target identified by a monoclonal antibody. <i>Molecular Nutrition and Food Research</i> , 2012 , 56, 1688-96	5.9	12
151	Fetal microchimeric cells in autoimmune thyroid diseases: harmful, beneficial or innocent for the thyroid gland?. <i>Chimerism</i> , 2013 , 4, 111-8		12
150	Polar body mutation load analysis in a patient with A3243G tRNA ^{Leu} (UUR) point mutation. <i>Mitochondrion</i> , 2011 , 11, 626-9	4.9	12
149	Antihypertensive effect of insect cells: in vitro and in vivo evaluation. <i>Peptides</i> , 2011 , 32, 526-30	3.8	12
148	First draft genome assembly of the desert locust,. <i>F1000Research</i> , 2020 , 9, 775	3.6	12

147	Evaluation of a visualization assay for blood on forensic evidence. <i>Journal of Forensic Sciences</i> , 2015 , 60, 707-11	1.8	11
146	The Small RNA ncS35 Regulates Growth in J2315. <i>MSphere</i> , 2018 , 3,	5	11
145	Retrospective study of the impact of miniSTRs on forensic DNA profiling of touch DNA samples. <i>Science and Justice - Journal of the Forensic Science Society</i> , 2014 , 54, 369-72	2	11
144	Production of monoclonal antibodies against hop-derived (<i>Humulus lupulus</i> L.) prenylflavonoids and the development of immunoassays. <i>Talanta</i> , 2011 , 85, 197-205	6.2	11
143	Specific anti-nuclear antibodies in systemic sclerosis patients with and without skin involvement: an extended methodological approach. <i>Rheumatology</i> , 2011 , 50, 1302-9	3.9	11
142	The European Medicines Agency experience with biomarker qualification. <i>Methods in Molecular Biology</i> , 2015 , 1243, 255-72	1.4	11
141	Cov-MS: A Community-Based Template Assay for Mass-Spectrometry-Based Protein Detection in SARS-CoV-2 Patients. <i>Jacs Au</i> , 2021 , 1, 750-765		11
140	Dual RNA Sequencing of during Infection Unveils Host-Pathogen Interactions. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	11
139	Influence of microbiota in the susceptibility of parasitic wasps to abamectin insecticide: deep sequencing, esterase and toxicity tests. <i>Pest Management Science</i> , 2019 , 75, 79-86	4.6	11
138	Preimplantation genetic diagnosis for chromosomal rearrangements with the use of array comparative genomic hybridization at the blastocyst stage. <i>Fertility and Sterility</i> , 2017 , 107, 212-219.e3	4.8	10
137	An immunogen synthesis strategy for the development of specific anti-deoxynivalenol monoclonal antibodies. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2014 , 31, 1751-9	3.2	10
136	The prevalence of nine genetic disorders in a dog population from Belgium, the Netherlands and Germany. <i>PLoS ONE</i> , 2013 , 8, e74811	3.7	10
135	Quality analysis of salmon calcitonin in a polymeric bioadhesive pharmaceutical formulation: sample preparation optimization by DOE. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2010 , 53, 939-45	3.5	10
134	Tyrosine phosphorylation and lipid raft association of pseudorabies virus glycoprotein E during antibody-mediated capping. <i>Virology</i> , 2007 , 362, 60-6	3.6	10
133	Lymphotoxin alpha 1 beta 2: a critical mediator in V alpha 14i NKT cell differentiation. <i>Molecular Immunology</i> , 2005 , 42, 413-7	4.3	10
132	Ly49 and CD94/NKG2 receptor acquisition by NK cells does not require lymphotoxin-beta receptor expression. <i>Blood</i> , 2005 , 106, 956-62	2.2	10
131	Accurate detection and quantification of epigenetic and genetic second hits in BRCA1 and BRCA2-associated hereditary breast and ovarian cancer reveals multiple co-acting second hits. <i>Cancer Letters</i> , 2018 , 425, 125-133	9.9	9
130	Biohistorical materials and contemporary privacy concerns-the forensic case of King Albert I. <i>Forensic Science International: Genetics</i> , 2016 , 24, 202-210	4.3	9

129	Performance of a TthPrimPol-based whole genome amplification kit for copy number alteration detection using massively parallel sequencing. <i>Scientific Reports</i> , 2016 , 6, 31825	4.9	9
128	Comparative analysis of different nuclear transfer techniques to prevent the transmission of mitochondrial DNA variants. <i>Molecular Human Reproduction</i> , 2019 , 25, 797-810	4.4	9
127	Neutrophil Elastase in the capacity of the "H2A-specific protease". <i>International Journal of Biochemistry and Cell Biology</i> , 2014 , 51, 39-44	5.6	9
126	An exome sequencing based approach for genome-wide association studies in the dog. <i>Scientific Reports</i> , 2017 , 7, 15680	4.9	9
125	Quantification of citrullination by means of skewed isotope distribution pattern. <i>Journal of Proteome Research</i> , 2012 , 11, 5245-51	5.6	9
124	Development of a dedicated peptide tandem mass spectral library for conservation science. <i>Analytica Chimica Acta</i> , 2012 , 728, 39-48	6.6	9
123	Immunization with the immunodominant <i>Helicobacter suis</i> urease subunit B induces partial protection against <i>H. suis</i> infection in a mouse model. <i>Veterinary Research</i> , 2012 , 43, 72	3.8	9
122	The integration of the detection of systemic sclerosis-associated antibodies in a routine laboratory setting: comparison of different strategies. <i>Clinical Chemistry and Laboratory Medicine</i> , 2013 , 51, 2151-60	5.9	9
121	Preparative capillary zone electrophoresis in combination with off-line graphite furnace atomic absorption for the analysis of DNA complexes formed by a new aminocoumarine platinum (II) compound. <i>Electrophoresis</i> , 1998 , 19, 2454-8	3.6	9
120	Phenobarbital or potassium bromide as an add-on antiepileptic drug for the management of canine idiopathic epilepsy refractory to imepitoin. <i>Veterinary Journal</i> , 2017 , 220, 51-54	2.5	8
119	Short Tandem Repeat analysis after Whole Genome Amplification of single B-lymphoblastoid cells. <i>Scientific Reports</i> , 2018 , 8, 1255	4.9	8
118	hSWATH: Unlocking SWATH's Full Potential for an Untargeted Histone Perspective. <i>Journal of Proteome Research</i> , 2019 , 18, 3840-3849	5.6	8
117	The BCESM genomic region contains a regulator involved in quorum sensing and persistence in <i>Burkholderia cenocepacia</i> J2315. <i>Future Microbiology</i> , 2014 , 9, 845-60	2.9	8
116	The effects of positioning, reason for screening and the referring veterinarian on prevalence estimates of canine hip dysplasia. <i>Veterinary Journal</i> , 2014 , 201, 378-84	2.5	8
115	Quantification of IFN β and IL17-producing cells after stimulation with citrullinated proteins in healthy subjects and RA patients. <i>Rheumatology International</i> , 2013 , 33, 2661-4	3.6	8
114	Flagging False Positives Following Untargeted LC-MS Characterization of Histone Post-Translational Modification Combinations. <i>Journal of Proteome Research</i> , 2017 , 16, 655-664	5.6	8
113	Quantitative proteomics to characterize specific histone H2A proteolysis in chronic lymphocytic leukemia and the myeloid THP-1 cell line. <i>International Journal of Molecular Sciences</i> , 2014 , 15, 9407-21	6.3	8
112	Usefulness of a novel serum proteome-derived index FI-PRO (fibrosis-protein) in the prediction of fibrosis in chronic hepatitis C. <i>European Journal of Gastroenterology and Hepatology</i> , 2011 , 23, 701-10	2.2	8

111	Broad-spectrum separations in metabolomics using enhanced polar LC stationary phases: a dedicated evaluation using plant metabolites. <i>Journal of Separation Science</i> , 2007 , 30, 2002-11	3.4	8
110	Aging of preleukemic thymocytes drives CpG island hypermethylation in T-cell acute lymphoblastic leukemia. <i>Blood Cancer Discovery</i> , 2020 , 1, 274-289	7	8
109	Autovaccination confers protection against <i>Devriesea agamarum</i> associated septicemia but not dermatitis in bearded dragons (<i>Pogona vitticeps</i>). <i>PLoS ONE</i> , 2014 , 9, e113084	3.7	8
108	Untargeted histone profiling during naive conversion uncovers conserved modification markers between mouse and human. <i>Scientific Reports</i> , 2019 , 9, 17240	4.9	8
107	COMPUTED TOMOGRAPHIC FINDINGS IN CANINE ELBOWS ARTHROSCOPICALLY DIAGNOSED WITH EROSION OF THE MEDIAL COMPARTMENT: AN ANALYTICAL METHOD COMPARISON STUDY. <i>Veterinary Radiology and Ultrasound</i> , 2016 , 57, 572-581	1.2	7
106	Massively parallel sequencing of micro-manipulated cells targeting a comprehensive panel of disease-causing genes: A comparative evaluation of upstream whole-genome amplification methods. <i>PLoS ONE</i> , 2018 , 13, e0196334	3.7	7
105	Absorption, translocation and metabolism of metamitron in <i>Chenopodium album</i> . <i>Pest Management Science</i> , 2012 , 68, 209-16	4.6	7
104	Laser microdissection for the assessment of the clonal relationship between chronic lymphocytic leukemia/small lymphocytic lymphoma and proliferating B cells within lymph node pseudofollicles. <i>Leukemia</i> , 2011 , 25, 883-8	10.7	7
103	Fetal microchimeric cells in blood and thyroid glands of women with an autoimmune thyroid disease. <i>Chimerism</i> , 2012 , 3, 21-3		7
102	Forensic STR profiling using Oxford Nanopore Technologies MinION sequencer		7
101	Genome-Wide Stress Responses to Copper and Arsenic in a Field Population of <i>Daphnia</i> . <i>Environmental Science & Technology</i> , 2019 , 53, 3850-3859	10.3	7
100	Candidate <i>Treponema pallidum</i> biomarkers uncovered in urine from individuals with syphilis using mass spectrometry. <i>Future Microbiology</i> , 2018 , 13, 1497-1510	2.9	7
99	Forensic Loci Allele Database (FLAD): Automatically generated, permanent identifiers for sequenced forensic alleles. <i>Forensic Science International: Genetics</i> , 2016 , 20, e1-e3	4.3	6
98	Bta-miR-10b Secreted by Bovine Embryos Negatively Impacts Preimplantation Embryo Quality. <i>Frontiers in Genetics</i> , 2019 , 10, 757	4.5	6
97	WNT Inhibition and Increased FGF Signaling Promotes Derivation of Less Heterogeneous Primed Human Embryonic Stem Cells, Compatible with Differentiation. <i>Stem Cells and Development</i> , 2019 , 28, 579-592	4.4	6
96	Genetic characterization and therapeutic targeting of MYC-rearranged T cell acute lymphoblastic leukaemia. <i>British Journal of Haematology</i> , 2019 , 185, 169-174	4.5	6
95	F4-related mutation and expression analysis of the aminopeptidase N gene in pigs. <i>Journal of Animal Science</i> , 2014 , 92, 1866-73	0.7	6
94	Isolation of disseminated neuroblastoma cells from bone marrow aspirates for pretreatment risk assessment by array comparative genomic hybridization. <i>International Journal of Cancer</i> , 2012 , 130, 1098-1108	7.5	6

93	RMNE probability of forensic DNA profiles with allelic drop-out. <i>Forensic Science International: Genetics Supplement Series</i> , 2009 , 2, 462-463	0.5	6
92	In pursuit of B-cell synovial autoantigens in rheumatoid arthritis: Confirmation of citrullinated fibrinogen, detection of vimentin, and introducing carbonic anhydrase as a possible new synovial autoantigen. <i>Proteomics - Clinical Applications</i> , 2007 , 1, 32-46	3.1	6
91	An application of mass spectrometry for quality control of biologicals: Highly sensitive profiling of plasma residuals in human plasma-derived immunoglobulin. <i>Journal of Proteomics</i> , 2017 , 152, 312-320	3.9	5
90	Germline nuclear transfer in mice may rescue poor embryo development associated with advanced maternal age and early embryo arrest. <i>Human Reproduction</i> , 2020 , 35, 1562-1577	5.7	5
89	Using variant databases for variant prioritization and to detect erroneous genotype-phenotype associations. <i>BMC Bioinformatics</i> , 2017 , 18, 535	3.6	5
88	Platelet-activating factor acetylhydrolase 1B3 (PAFAH1B3) is required for the formation of the meiotic spindle during in vitro oocyte maturation. <i>Reproduction, Fertility and Development</i> , 2018 , 30, 1739-1750	1.8	5
87	Intra- and Inter-observer Variability of Measurements of the Laxity Index on Stress Radiographs Performed with the Vezzoni-Modified Badertscher Hip Distension Device. <i>Veterinary and Comparative Orthopaedics and Traumatology</i> , 2018 , 31, 246-251	1.2	5
86	Effect of Adrenergic receptor agents on cardiac structure and function and whole-body gene expression in <i>Daphnia magna</i> . <i>Environmental Pollution</i> , 2018 , 241, 869-878	9.3	5
85	Compulsivity in mouse strains homologous with chromosomes 7p and 15q linked to obsessive-compulsive disorder. <i>American Journal of Medical Genetics Part B: Neuropsychiatric Genetics</i> , 2010 , 153B, 252-9	3.5	5
84	Proteomics in rheumatology: The beginning of a fairy tale?. <i>Proteomics - Clinical Applications</i> , 2008 , 2, 411-9	3.1	5
83	Predominant mucosal expression of 5-HT ₄ receptor splice variants in pig stomach and colon. <i>World Journal of Gastroenterology</i> , 2013 , 19, 3747-60	5.6	5
82	Hepatic Cytochrome P450 Abundance and Activity in the Developing and Adult Göttingen Minipig: Pivotal Data for PBPK Modeling. <i>Frontiers in Pharmacology</i> , 2021 , 12, 665644	5.6	5
81	The CD147 Protein Complex Is Involved in Entry of Chikungunya Virus and Related Alphaviruses in Human Cells. <i>Frontiers in Microbiology</i> , 2021 , 12, 615165	5.7	5
80	Long non-coding RNAs as novel therapeutic targets in juvenile myelomonocytic leukemia. <i>Scientific Reports</i> , 2021 , 11, 2801	4.9	5
79	Multiplex STR amplification sensitivity in a silicon microchip. <i>Scientific Reports</i> , 2018 , 8, 9853	4.9	5
78	Infections of virulent and avirulent viruses differentially influenced the expression of dicer-1, ago-1, and microRNAs in <i>Bombus terrestris</i> . <i>Scientific Reports</i> , 2017 , 7, 45620	4.9	4
77	Contemporary pharmacogenetic assays in view of the PharmGKB database. <i>Pharmacogenomics</i> , 2019 , 20, 261-272	2.6	4
76	Screening strategy targeting the presence of food enzyme-producing fungi in food enzyme preparations. <i>Food Control</i> , 2020 , 117, 107295	6.2	4

75	RBL1 (p107) functions as tumor suppressor in glioblastoma and small-cell pancreatic neuroendocrine carcinoma in <i>Xenopus tropicalis</i> . <i>Oncogene</i> , 2020 , 39, 2692-2706	9.2	4
74	Microfluidics-based LC-MS MRM approach for the relative quantification of <i>Burkholderia cenocepacia</i> secreted virulence factors. <i>Rapid Communications in Mass Spectrometry</i> , 2018 , 32, 469	2.2	4
73	A prokaryotic-eukaryotic relation in the fat body of <i>Bombus terrestris</i> . <i>Environmental Microbiology Reports</i> , 2018 , 10, 644-650	3.7	4
72	The role of small proteins in J2315 biofilm formation, persistence and intracellular growth. <i>Biofilm</i> , 2019 , 1, 100001	5.9	4
71	Deletion of Mucosa-Associated Lymphoid Tissue Lymphoma Translocation Protein 1 in Mouse T Cells Protects Against Development of Autoimmune Arthritis but Leads to Spontaneous Osteoporosis. <i>Arthritis and Rheumatology</i> , 2019 , 71, 2005-2015	9.5	4
70	STR profiling and Copy Number Variation analysis on single, preserved cells using current Whole Genome Amplification methods. <i>Scientific Reports</i> , 2017 , 7, 17189	4.9	4
69	Combined prevalence of inherited skeletal disorders in dog breeds in Belgium. <i>Veterinary and Comparative Orthopaedics and Traumatology</i> , 2014 , 27, 395-7	1.2	4
68	Draft Genome Sequence of Methicillin-Resistant <i>Staphylococcus epidermidis</i> Strain ET-024, Isolated from an Endotracheal Tube Biofilm of a Mechanically Ventilated Patient. <i>Genome Announcements</i> , 2014 , 2,		4
67	Kinship analysis on single cells after whole genome amplification. <i>Scientific Reports</i> , 2020 , 10, 14647	4.9	4
66	Transcriptional landscape changes during human embryonic stem cell derivation. <i>Molecular Human Reproduction</i> , 2018 , 24, 543-555	4.4	4
65	Fluoroenzymeimmunoassay to detect systemic sclerosis-associated antibodies: diagnostic performance and correlation with conventional techniques. <i>Clinical and Experimental Rheumatology</i> , 2012 , 30, 748-55	2.2	4
64	Hatching is modulated by microRNA-378a-3p derived from extracellular vesicles secreted by blastocysts.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022 , 119, e2122708119	11.5	4
63	Truncating SLC12A6 variants cause different clinical phenotypes in humans and dogs. <i>European Journal of Human Genetics</i> , 2019 , 27, 1561-1568	5.3	3
62	Maternal Recognition of Pregnancy in the Horse: Are MicroRNAs the Secret Messengers?. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	3
61	Detailed method description for noninvasive monitoring of differentiation status of human embryonic stem cells. <i>Analytical Biochemistry</i> , 2014 , 461, 60-6	3.1	3
60	An heuristic filtering tool to identify phenotype-associated genetic variants applied to human intellectual disability and canine coat colors. <i>BMC Bioinformatics</i> , 2015 , 16, 391	3.6	3
59	Genome Sequence of <i>Devriesea agamarum</i> , Isolated from Agamid Lizards with Dermatitis. <i>Genome Announcements</i> , 2015 , 3,		3
58	A novel dictionary based computer vision method for the detection of cell nuclei. <i>PLoS ONE</i> , 2013 , 8, e54068	3.7	3

57	Laser capture microdissection for forensic DNA analysis. <i>Forensic Science International: Genetics Supplement Series</i> , 2011 , 3, e117-e118	0.5	3
56	Ion-networks: a sparse data format capturing full data integrity of data independent acquisition mass spectrometry		3
55	Ecological divergence of wild strawberry DNA methylation patterns at distinct spatial scales. <i>Molecular Ecology</i> , 2020 , 29, 4871-4881	5.7	3
54	Spatio-temporal patterns in the gene expression of the calanoid copepod <i>Temora longicornis</i> in the Belgian part of the North Sea. <i>Marine Environmental Research</i> , 2020 , 160, 105037	3.3	3
53	Toward the most ideal case-control design with related and unrelated dogs in whole-exome sequencing studies. <i>Animal Genetics</i> , 2016 , 47, 200-7	2.5	3
52	Activin A-derived human embryonic stem cells show increased competence to differentiate into primordial germ cell-like cells. <i>Stem Cells</i> , 2021 , 39, 551-563	5.8	3
51	Enrichment of circulating trophoblasts from maternal blood using laminar microscale vortices. <i>Prenatal Diagnosis</i> , 2021 , 41, 1171-1178	3.2	3
50	Estimating the Reliability of Low-Abundant Signals and Limited Replicate Measurements through MS2 Peak Area in SWATH. <i>Proteomics</i> , 2018 , 18, e1800186	4.8	3
49	Proteomic study to identify factors in follicular fluid and/or serum involved in in vitro cumulus expansion of porcine oocytes. <i>Society of Reproduction and Fertility Supplement</i> , 2009 , 66, 205-6		3
48	A comprehensive LFQ benchmark dataset on modern day acquisition strategies in proteomics.. <i>Scientific Data</i> , 2022 , 9, 126	8.2	3
47	Epigenetic sampling effects: nephrectomy modifies the clear cell renal cell cancer methylome. <i>Cellular Oncology (Dordrecht)</i> , 2017 , 40, 293-297	7.2	2
46	Silicon µPCR Chip for Forensic STR Profiling with Hybeacon Probe Melting Curves. <i>Scientific Reports</i> , 2019 , 9, 7341	4.9	2
45	Distinct transcriptome signatures of <i>Helicobacter suis</i> and <i>Helicobacter heilmannii</i> strains upon adherence to human gastric epithelial cells. <i>Veterinary Research</i> , 2020 , 51, 62	3.8	2
44	Assessing the impact of minimizing arginine conversion in fully defined SILAC culture medium in human embryonic stem cells. <i>Proteomics</i> , 2016 , 16, 2605-2614	4.8	2
43	Species identification from hair by means of spectral library searches. <i>International Journal of Legal Medicine</i> , 2014 , 128, 873-8	3.1	2
42	Variation in 12 porcine genes involved in the carbohydrate moiety assembly of glycosphingolipids does not account for differential binding of F4 <i>Escherichia coli</i> and their fimbriae. <i>BMC Genetics</i> , 2014 , 15, 103	2.6	2
41	Reduced levels of the TGFβ family member GDF15 in spondyloarthritis versus other rheumatic diseases. <i>Annals of the Rheumatic Diseases</i> , 2011 , 70, A88-A88	2.4	2
40	Entering the era of proteomics in rheumatology. <i>Expert Opinion on Drug Discovery</i> , 2006 , 1, 539-48	6.2	2

39	Synthesis of [123I]-3-(4-iodobenzyl)-1,2,3,4-tetrahydro-8-hydroxychromeno[3,4-c]pyridin-5-one, a potential dopamine D4 ligand for SPECT studies. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2005 , 48, 101-108	1.9	2
38	Transcriptional dynamics of gametogenesis in the green seaweed <i>Ulva mutabilis</i> identifies an RWP-RK transcription factor linked to reproduction.. <i>BMC Plant Biology</i> , 2022 , 22, 19	5.3	2
37	Small RNA NcS27 co-regulates utilization of carbon sources in J2315. <i>Microbiology (United Kingdom)</i> , 2019 , 165, 1135-1150	2.9	2
36	Cov-MS: a community-based template assay for clinical MS-based protein detection in SARS-CoV-2 patients		2
35	Comprehensive histone epigenetics: A mass spectrometry based screening assay to measure epigenetic toxicity. <i>MethodsX</i> , 2020 , 7, 101055	1.9	2
34	Embryonic Stem Cells: Keeping Track of the Pluripotent Status 2016 ,		1
33	RMNE calculation in forensic profiles with a high number of loci and allelic drop-outs using polynomial expansion. <i>Forensic Science International: Genetics</i> , 2017 , 26, e14-e16	4.3	1
32	Phospho-iTRAQ data article: Assessing isobaric labels for the large-scale study of phosphopeptide stoichiometry. <i>Data in Brief</i> , 2015 , 4, 60-5	1.2	1
31	Cell Nuclei Detection Using Globally Optimal Active Contours with Shape Prior. <i>Lecture Notes in Computer Science</i> , 2012 , 115-124	0.9	1
30	Unbreakable codes in electrospun fibers to stop medicine counterfeiting. <i>Journal of Controlled Release</i> , 2010 , 148, e13-5	11.7	1
29	A comprehensive LFQ benchmark dataset on modern day acquisition strategies in proteomics		1
28	First monitoring for unauthorized genetically modified bacteria in food enzymes from the food market. <i>Food Control</i> , 2021 , 135, 108665	6.2	1
27	RBL1 (p107) functions as tumor suppressor in glioblastoma and small-cell pancreatic neuroendocrine carcinoma		1
26	Nanopore sequencing of a forensic combined STR and SNP multiplex. <i>Forensic Science International: Genetics</i> , 2022 , 56, 102621	4.3	1
25	Pan-cancer pharmacogenetics: targeted sequencing panels or exome sequencing?. <i>Pharmacogenomics</i> , 2020 , 21, 1073-1084	2.6	1
24	Comparative study of preimplantation development following distinct assisted oocyte activation protocols in a PLC-zeta knockout mouse model. <i>Molecular Human Reproduction</i> , 2020 , 26, 801-815	4.4	1
23	Effects of Aleurone Supplementation on Glucose-Insulin Metabolism and Gut Microbiome in Untrained Healthy Horses. <i>Frontiers in Veterinary Science</i> , 2021 , 8, 642809	3.1	1
22	Histone Sample Preparation for Bottom-Up Mass Spectrometry: A Roadmap to Informed Decisions. <i>Proteomes</i> , 2021 , 9,	4.6	1

21	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
20	STRide probes: Single-labeled short tandem repeat identification probes. <i>Biosensors and Bioelectronics</i> , 2021 , 180, 113135	11.8	1
19	Advances in the Identification of Genetically Modified Foods 2016 , 543-563		1
18	Genome-Wide Copy Number Alteration Detection in Preimplantation Genetic Diagnosis. <i>Methods in Molecular Biology</i> , 2018 , 1712, 27-42	1.4	1
17	Profiling the Aerobic Window of Horses in Response to Training by Means of a Modified Lactate Minimum Speed Test: Flatten the Curve.. <i>Frontiers in Physiology</i> , 2022 , 13, 792052	4.6	1
16	Exposure of <i>Aspergillus fumigatus</i> to T-2 toxin results in a stress response associated with exacerbation of aspergillosis in poultry. <i>World Mycotoxin Journal</i> , 2015 , 8, 323-333	2.5	0
15	A large scale mass spectrometry-based histone screening for assessing epigenetic developmental toxicity.. <i>Scientific Reports</i> , 2022 , 12, 1256	4.9	0
14	Recurrent chromosomal imbalances provide selective advantage to human embryonic stem cells under enhanced replicative stress conditions. <i>Genes Chromosomes and Cancer</i> , 2021 , 60, 272-281	5	0
13	Detection and identification of authorized and unauthorized GMOs using high-throughput sequencing with the support of a sequence-based GMO database.. <i>Food Chemistry Molecular Sciences</i> , 2022 , 4, 100096	1	0
12	Reply to the Letter: 'Le Scientisme, c'est la Prévention induite au Monopole de vérité'. Alors que le Propre de la Science c'est de dire: il n'y a pas de Monopole' (Edgar Morin). <i>Veterinary and Comparative Orthopaedics and Traumatology</i> , 2018 , 31, 313-314	1.2	
11	Illumina sequencing of 15 deafness genes using fragmented amplicons. <i>BMC Research Notes</i> , 2014 , 7, 509	2.3	
10	ANTIOXIDANT CAPACITY AND SECONDARY METABOLITES OF 12 BAMBOO SPECIES. <i>Acta Horticulturae</i> , 2013 , 107-112	0.3	
9	Response to paroxetine and venlafaxine in OCD is not determined by common CYP2D6 polymorphisms. <i>Journal of Biotechnology</i> , 2008 , 136, S190	3.7	
8	Serotonin Related Genes Affect Antidepressant Treatment in Obsessive-Compulsive Disorder	227-240	
7	Edelfosine protects precultured heart fragments against the invasion of malignant cells through altered sialylation. <i>Oncology Reports</i> , 2007 , 17, 433-9	3.5	
6	The embryotrophic effect of cathepsin-L in a bovine model.. <i>Reproduction, Fertility and Development</i> , 2021 , 34, 264-265	1.8	
5	Unique Long Non-Coding RNA Expression Signature in ETV6/RUNX1-Driven B-Cell Precursor Acute Lymphoblastic Leukemia. <i>Blood</i> , 2016 , 128, 3920-3920	2.2	
4	Spondyloarthropathies 2009 , 1067-1083		

- 3 Intracellular localisation of platelet-activating factor during mammalian embryo development in vitro: a comparison of cattle, mouse and human. *Reproduction, Fertility and Development*, **2019**, 31, 658-670¹⁸
- 2 An experimental design to extract more information from MS-based histone studies. *Molecular Omics*, **2021**, 17, 929-938 4.4
- 1 QueSTR probes: Quencher-labeled RNase H2-dependent probes for Short Tandem Repeat genotyping. *Sensors and Actuators B: Chemical*, **2022**, 361, 131714 8.5