

# Filip Van Nieuwerburgh

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/1828252/filip-van-nieuwerburgh-publications-by-year.pdf>

**Version:** 2024-04-25

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.

205  
papers

5,764  
citations

36  
h-index

69  
g-index

233  
ext. papers

7,429  
ext. citations

5.4  
avg, IF

5.53  
L-index

#	Paper	IF	Citations
205	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> , <b>2022</b> , 22, 19	5.3	2
204	Nanopore sequencing of a forensic combined STR and SNP multiplex. <i>Forensic Science International: Genetics</i> , <b>2022</b> , 56, 102621	4.3	1
203	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> , <b>2022</b> , 119, e2122708119	11.5	4
202	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> , <b>2022</b> , 13, 792052	4.6	1
201	QueSTR probes: Quencher-labeled RNase H2-dependent probes for Short Tandem Repeat genotyping. <i>Sensors and Actuators B: Chemical</i> , <b>2022</b> , 361, 131714	8.5	
200	T-BET and EOMES Accelerate and Enhance Functional Differentiation of Human Natural Killer Cells. <i>Frontiers in Immunology</i> , <b>2021</b> , 12, 732511	8.4	2
199	T-BET and EOMES Accelerate and Enhance Functional Differentiation of Human Natural Killer Cells. <i>Frontiers in Immunology</i> , <b>2021</b> , 12, 732511	8.4	
198	HES1 and HES4 have non-redundant roles downstream of Notch during early human T-cell development. <i>Haematologica</i> , <b>2021</b> , 106, 130-141	6.6	9
197	RUNX2 regulates leukemic cell metabolism and chemotaxis in high-risk T cell acute lymphoblastic leukemia. <i>Journal of Clinical Investigation</i> , <b>2021</b> , 131,	15.9	6
196	Changes in DNA Methylation in Plants Exposed Over Multiple Generations to Gamma Radiation. <i>Frontiers in Plant Science</i> , <b>2021</b> , 12, 611783	6.2	5
195	Endogenous suppression of WNT signalling in human embryonic stem cells leads to low differentiation propensity towards definitive endoderm. <i>Scientific Reports</i> , <b>2021</b> , 11, 6137	4.9	1
194	Detection of cytosine methylation in by single-molecule real-time sequencing and whole-genome bisulfite sequencing. <i>Microbiology (United Kingdom)</i> , <b>2021</b> , 167,	2.9	3
193	Characterization of the inflammatory microenvironment and hepatic macrophage subsets in experimental hepatocellular carcinoma models. <i>Oncotarget</i> , <b>2021</b> , 12, 562-577	3.3	2
192	Untangling the structural and molecular mechanisms underlying colour and rapid colour change in a lizard, <i>Agama atra</i> . <i>Molecular Ecology</i> , <b>2021</b> , 30, 2262-2284	5.7	4
191	Effects of Aleurone Supplementation on Glucose-Insulin Metabolism and Gut Microbiome in Untrained Healthy Horses. <i>Frontiers in Veterinary Science</i> , <b>2021</b> , 8, 642809	3.1	1
190	Digital Polymerase Chain Reaction for Assessment of Mutant Mitochondrial Carry-over after Nuclear Transfer for In Vitro Fertilization. <i>Clinical Chemistry</i> , <b>2021</b> , 67, 968-976	5.5	1
189	STRide probes: Single-labeled short tandem repeat identification probes. <i>Biosensors and Bioelectronics</i> , <b>2021</b> , 180, 113135	11.8	1

188	Rare Modifier Variants Alter the Severity of Cardiovascular Disease in Pseudoxanthoma Elasticum: Identification of Novel Candidate Modifier Genes and Disease Pathways Through Mixture of Effects Analysis. <i>Frontiers in Cell and Developmental Biology</i> , <b>2021</b> , 9, 612581	5.7	2
187	Veterinarians' Competence in Applying Basic Genetic Principles and Daily Implementation of Clinical Genetics: A Study in a University Environment. <i>Journal of Veterinary Medical Education</i> , <b>2021</b> , e20210029	1.3	0
186	MYCN-induced nucleolar stress drives an early senescence-like transcriptional program in hTERT-immortalized RPE cells. <i>Scientific Reports</i> , <b>2021</b> , 11, 14454	4.9	1
185	Recurrent chromosomal imbalances provide selective advantage to human embryonic stem cells under enhanced replicative stress conditions. <i>Genes Chromosomes and Cancer</i> , <b>2021</b> , 60, 272-281	5	0
184	Murine induced pluripotent stem cell-derived neuroimmune cell culture models emphasize opposite immune-effector functions of interleukin 13-primed microglia and macrophages in terms of neuroimmune toxicity. <i>Glia</i> , <b>2021</b> , 69, 326-345	9	3
183	Pharmacogenetics in clinical practice: current level of knowledge among Flemish physicians and pharmacists. <i>Pharmacogenomics Journal</i> , <b>2021</b> , 21, 78-84	3.5	3
182	A Case of Phage Therapy against Pandrug-Resistant in a 12-Year-Old Lung-Transplanted Cystic Fibrosis Patient. <i>Viruses</i> , <b>2021</b> , 13,	6.2	21
181	Activin A-derived human embryonic stem cells show increased competence to differentiate into primordial germ cell-like cells. <i>Stem Cells</i> , <b>2021</b> , 39, 551-563	5.8	3
180	Comparative genomics of <i>Flavobacterium columnare</i> unveils novel insights in virulence and antimicrobial resistance mechanisms. <i>Veterinary Research</i> , <b>2021</b> , 52, 18	3.8	1
179	Comparative analysis of mouse and human preimplantation development following POU5F1 CRISPR/Cas9 targeting reveals interspecies differences. <i>Human Reproduction</i> , <b>2021</b> , 36, 1242-1252	5.7	3
178	Enrichment of circulating trophoblasts from maternal blood using laminar microscale vortices. <i>Prenatal Diagnosis</i> , <b>2021</b> , 41, 1171-1178	3.2	3
177	Long non-coding RNAs as novel therapeutic targets in juvenile myelomonocytic leukemia. <i>Scientific Reports</i> , <b>2021</b> , 11, 2801	4.9	5
176	Effect of overconditioning on the hepatic global gene expression pattern of dairy cows at the end of pregnancy. <i>Journal of Dairy Science</i> , <b>2021</b> , 104, 8152-8163	4	0
175	The genome of the extremophile <i>Artemia</i> provides insight into strategies to cope with extreme environments. <i>BMC Genomics</i> , <b>2021</b> , 22, 635	4.5	4
174	ADAR1 interaction with Z-RNA promotes editing of endogenous double-stranded RNA and prevents MDA5-dependent immune activation. <i>Cell Reports</i> , <b>2021</b> , 36, 109500	10.6	9
173	Annelid genomes: <i>Enchytraeus crypticus</i> , a soil model for the innate (and primed) immune system. <i>Lab Animal</i> , <b>2021</b> , 50, 285-294	0.4	3
172	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> , <b>2020</b> , 51, 62	3.8	2
171	The transcription factor ETS1 is an important regulator of human NK cell development and terminal differentiation. <i>Blood</i> , <b>2020</b> , 136, 288-298	2.2	17

170	Adjuvanting Allergen Extracts for Sublingual Immunotherapy: Calcitriol Downregulates CXCL8 Production in Primary Sublingual Epithelial Cells. <i>Frontiers in Immunology</i> , <b>2020</b> , 11, 1033	8.4	1
169	Maternal Recognition of Pregnancy in the Horse: Are MicroRNAs the Secret Messengers?. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	3
168	Nanopore Sequencing of a Forensic STR Multiplex Reveals Loci Suitable for Single-Contributor STR Profiling. <i>Genes</i> , <b>2020</b> , 11,	4.2	14
167	Myeloid-specific IRE1alpha deletion reduces tumour development in a diabetic, non-alcoholic steatohepatitis-induced hepatocellular carcinoma mouse model. <i>Metabolism: Clinical and Experimental</i> , <b>2020</b> , 107, 154220	12.7	10
166	Extracellular vesicles spread the RNA interference signal of <i>Tribolium castaneum</i> TcA cells. <i>Insect Biochemistry and Molecular Biology</i> , <b>2020</b> , 122, 103377	4.5	6
165	Aging of preleukemic thymocytes drives CpG island hypermethylation in T-cell acute lymphoblastic leukemia. <i>Blood Cancer Discovery</i> , <b>2020</b> , 1, 274-289	7	8
164	First draft genome assembly of the desert locust, <i>Schistocerca gregaria</i> . <i>F1000Research</i> , <b>2020</b> , 9, 775	3.6	20
163	Vapor nanobubble is the more reliable photothermal mechanism for inducing endosomal escape of siRNA without disturbing cell homeostasis. <i>Journal of Controlled Release</i> , <b>2020</b> , 319, 262-275	11.7	29
162	Does the mode of dispersion determine the properties of dispersed <i>Pseudomonas aeruginosa</i> biofilm cells?. <i>International Journal of Antimicrobial Agents</i> , <b>2020</b> , 56, 106194	14.3	2
161	Ecological divergence of wild strawberry DNA methylation patterns at distinct spatial scales. <i>Molecular Ecology</i> , <b>2020</b> , 29, 4871-4881	5.7	3
160	Human Thymic CD10 PD-1 Intraepithelial Lymphocyte Precursors Acquire Interleukin-15 Responsiveness at the CD1a CD95 CD28 CCR7 Developmental Stage. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	3
159	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> , <b>2020</b> , 160, 105037	3.3	3
158	Distinct and temporary-restricted epigenetic mechanisms regulate human $\lambda$ and $\mu$ cell development. <i>Nature Immunology</i> , <b>2020</b> , 21, 1280-1292	19.1	23
157	Pan-cancer pharmacogenetics: targeted sequencing panels or exome sequencing?. <i>Pharmacogenomics</i> , <b>2020</b> , 21, 1073-1084	2.6	1
156	Kinship analysis on single cells after whole genome amplification. <i>Scientific Reports</i> , <b>2020</b> , 10, 14647	4.9	4
155	Comparative study of preimplantation development following distinct assisted oocyte activation protocols in a PLC-zeta knockout mouse model. <i>Molecular Human Reproduction</i> , <b>2020</b> , 26, 801-815	4.4	1
154	First draft genome assembly of the desert locust,. <i>F1000Research</i> , <b>2020</b> , 9, 775	3.6	12
153	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> , <b>2019</b> , 9, 13144	4.9	26

152	YtrA, a GntR-Family Transcription Factor, Represses Two Genetic Loci Encoding Membrane Proteins in. <i>Frontiers in Microbiology</i> , <b>2019</b> , 10, 2084	5.7	4
151	Marine biogenics in sea spray aerosols interact with the mTOR signaling pathway. <i>Scientific Reports</i> , <b>2019</b> , 9, 675	4.9	11
150	Various Evolutionary Trajectories Lead to Loss of the Tobramycin-Potentiating Activity of the Quorum-Sensing Inhibitor Baicalin Hydrate in Biofilms. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2019</b> , 63,	5.9	7
149	Honey bee predisposition of resistance to ubiquitous mite infestations. <i>Scientific Reports</i> , <b>2019</b> , 9, 7794	4.9	13
148	Rejections in an non-purpose bred assistance dog population: Reasons, consequences and methods for screening. <i>PLoS ONE</i> , <b>2019</b> , 14, e0218339	3.7	3
147	Truncating SLC12A6 variants cause different clinical phenotypes in humans and dogs. <i>European Journal of Human Genetics</i> , <b>2019</b> , 27, 1561-1568	5.3	3
146	Silicon $\mu$ PCR Chip for Forensic STR Profiling with Hybeacon Probe Melting Curves. <i>Scientific Reports</i> , <b>2019</b> , 9, 7341	4.9	2
145	Bovine Embryo-Secreted microRNA-30c Is a Potential Non-invasive Biomarker for Hampered Preimplantation Developmental Competence. <i>Frontiers in Genetics</i> , <b>2019</b> , 10, 315	4.5	20
144	Contemporary pharmacogenetic assays in view of the PharmGKB database. <i>Pharmacogenomics</i> , <b>2019</b> , 20, 261-272	2.6	4
143	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> , <b>2019</b> , 28, 579-592	4.4	6
142	Feasibility of single-cell analysis of model cancer and foetal cells in blood after isolation by cell picking. <i>Tumor Biology</i> , <b>2019</b> , 41, 1010428318823361	2.9	1
141	Pre-clinical evaluation of second generation PIM inhibitors for the treatment of T-cell acute lymphoblastic leukemia and lymphoma. <i>Haematologica</i> , <b>2019</b> , 104, e17-e20	6.6	13
140	Genetic characterization and therapeutic targeting of MYC-rearranged T cell acute lymphoblastic leukaemia. <i>British Journal of Haematology</i> , <b>2019</b> , 185, 169-174	4.5	6
139	Generation of Virus- and dsRNA-Derived siRNAs with Species-Dependent Length in Insects. <i>Viruses</i> , <b>2019</b> , 11,	6.2	23
138	Gain of 20q11.21 in Human Pluripotent Stem Cells Impairs TGF- $\beta$ -Dependent Neuroectodermal Commitment. <i>Stem Cell Reports</i> , <b>2019</b> , 13, 163-176	8	15
137	Uncovering low-level mosaicism in human embryonic stem cells using high throughput single cell shallow sequencing. <i>Scientific Reports</i> , <b>2019</b> , 9, 14844	4.9	3
136	Comparative analysis of different nuclear transfer techniques to prevent the transmission of mitochondrial DNA variants. <i>Molecular Human Reproduction</i> , <b>2019</b> , 25, 797-810	4.4	9
135	Emended description of <i>Gardnerella vaginalis</i> and description of <i>Gardnerella leopoldii</i> sp. nov., <i>Gardnerella plotii</i> sp. nov. and <i>Gardnerella swidsinskii</i> sp. nov., with delineation of 13 genomic species within the genus <i>Gardnerella</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , <b>2019</b> , 69, 679-687	2.2	69

134	Small RNA NcS27 co-regulates utilization of carbon sources in J2315. <i>Microbiology (United Kingdom)</i> , <b>2019</b> , 165, 1135-1150	2.9	2
133	Genome-Wide Stress Responses to Copper and Arsenic in a Field Population of Daphnia. <i>Environmental Science &amp; Technology</i> , <b>2019</b> , 53, 3850-3859	10.3	7
132	Large expert-curated database for benchmarking document similarity detection in biomedical literature search. <i>Database: the Journal of Biological Databases and Curation</i> , <b>2019</b> , 2019,	5	4
131	Dual RNA Sequencing of during Infection Unveils Host-Pathogen Interactions. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	11
130	Influence of microbiota in the susceptibility of parasitic wasps to abamectin insecticide: deep sequencing, esterase and toxicity tests. <i>Pest Management Science</i> , <b>2019</b> , 75, 79-86	4.6	11
129	Forensic tri-allelic SNP genotyping using nanopore sequencing. <i>Forensic Science International: Genetics</i> , <b>2019</b> , 38, 204-210	4.3	19
128	The transcriptome of the marine calanoid copepod <i>Temora longicornis</i> under heat stress and recovery. <i>Marine Environmental Research</i> , <b>2019</b> , 143, 10-23	3.3	19
127	Intraobserver and interobserver agreement on the radiographical diagnosis of canine cranial cruciate ligament rupture. <i>Veterinary Record</i> , <b>2018</b> , 182, 484	0.9	4
126	Comparative analysis of naive, primed and ground state pluripotency in mouse embryonic stem cells originating from the same genetic background. <i>Scientific Reports</i> , <b>2018</b> , 8, 5884	4.9	35
125	Short Tandem Repeat analysis after Whole Genome Amplification of single B-lymphoblastoid cells. <i>Scientific Reports</i> , <b>2018</b> , 8, 1255	4.9	8
124	The Small RNA ncS35 Regulates Growth in J2315. <i>MSphere</i> , <b>2018</b> , 3,	5	11
123	Proteins involved in embryo-maternal interaction around the signalling of maternal recognition of pregnancy in the horse. <i>Scientific Reports</i> , <b>2018</b> , 8, 5249	4.9	33
122	A different gut microbial community between larvae and adults of a wild bumblebee nest ( <i>Bombus pascuorum</i> ). <i>Insect Science</i> , <b>2018</b> , 25, 66-74	3.6	13
121	A prokaryotic-eukaryotic relation in the fat body of <i>Bombus terrestris</i> . <i>Environmental Microbiology Reports</i> , <b>2018</b> , 10, 644-650	3.7	4
120	Analysis of shared heritability in common disorders of the brain. <i>Science</i> , <b>2018</b> , 360,	33.3	666
119	The Chara Genome: Secondary Complexity and Implications for Plant Terrestrialization. <i>Cell</i> , <b>2018</b> , 174, 448-464.e24	56.2	213
118	Transgenerational Inheritance of DNA Hypomethylation in <i>Daphnia magna</i> in Response to Salinity Stress. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 10114-10123	10.3	36
117	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> , <b>2018</b> , 13, e0196334	3.7	7

116	Coumarin Reduces Virulence and Biofilm Formation in by Affecting Quorum Sensing, Type III Secretion and C-di-GMP Levels. <i>Frontiers in Microbiology</i> , <b>2018</b> , 9, 1952	5.7	36
115	Decreased susceptibility of <i>Streptococcus anginosus</i> to vancomycin in a multispecies biofilm is due to increased thickness of the cell wall. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2018</b> , 73, 2323-2330	5.1	16
114	Effect of Adrenergic receptor agents on cardiac structure and function and whole-body gene expression in <i>Daphnia magna</i> . <i>Environmental Pollution</i> , <b>2018</b> , 241, 869-878	9.3	5
113	Elucidation of the mechanism behind the potentiating activity of baicalin against <i>Burkholderia cenocepacia</i> biofilms. <i>PLoS ONE</i> , <b>2018</b> , 13, e0190533	3.7	11
112	Genome-Wide Copy Number Alteration Detection in Preimplantation Genetic Diagnosis. <i>Methods in Molecular Biology</i> , <b>2018</b> , 1712, 27-42	1.4	1
111	The presence of extracellular microRNAs in the media of cultured <i>Drosophila</i> cells. <i>Scientific Reports</i> , <b>2018</b> , 8, 17312	4.9	10
110	TBX2 is a neuroblastoma core regulatory circuitry component enhancing MYCN/FOXM1 reactivation of DREAM targets. <i>Nature Communications</i> , <b>2018</b> , 9, 4866	17.4	42
109	Photothermally Triggered Endosomal Escape and Its Influence on Transfection Efficiency of Gold-Functionalized JetPEI/pDNA Nanoparticles. <i>International Journal of Molecular Sciences</i> , <b>2018</b> , 19,	6.3	13
108	Transcriptional landscape changes during human embryonic stem cell derivation. <i>Molecular Human Reproduction</i> , <b>2018</b> , 24, 543-555	4.4	4
107	Chromosomal mosaicism in human blastocysts: the ultimate challenge of preimplantation genetic testing?. <i>Human Reproduction</i> , <b>2018</b> , 33, 1342-1354	5.7	63
106	Multiplex STR amplification sensitivity in a silicon microchip. <i>Scientific Reports</i> , <b>2018</b> , 8, 9853	4.9	5
105	Colony contact contributes to the diversity of gut bacteria in bumblebees ( <i>Bombus terrestris</i> ). <i>Insect Science</i> , <b>2017</b> , 24, 270-277	3.6	24
104	Epigenetic sampling effects: nephrectomy modifies the clear cell renal cell cancer methylome. <i>Cellular Oncology (Dordrecht)</i> , <b>2017</b> , 40, 293-297	7.2	2
103	Forensic SNP Genotyping using Nanopore MinION Sequencing. <i>Scientific Reports</i> , <b>2017</b> , 7, 41759	4.9	36
102	Oncogenic ZEB2 activation drives sensitivity toward KDM1A inhibition in T-cell acute lymphoblastic leukemia. <i>Blood</i> , <b>2017</b> , 129, 981-990	2.2	15
101	Direct comparison of distinct naive pluripotent states in human embryonic stem cells. <i>Nature Communications</i> , <b>2017</b> , 8, 15055	17.4	44
100	Metabolic activity, urease production, antibiotic resistance and virulence in dual species biofilms of <i>Staphylococcus epidermidis</i> and <i>Staphylococcus aureus</i> . <i>PLoS ONE</i> , <b>2017</b> , 12, e0172700	3.7	15
99	Characterization of the emerging zoonotic pathogen <i>Arcobacter thereius</i> by whole genome sequencing and comparative genomics. <i>PLoS ONE</i> , <b>2017</b> , 12, e0180493	3.7	10



98	STR profiling and Copy Number Variation analysis on single, preserved cells using current Whole Genome Amplification methods. <i>Scientific Reports</i> , <b>2017</b> , 7, 17189	4.9	4
97	Discovery of the leinamycin family of natural products by mining actinobacterial genomes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, E11131-E11140	11.5	53
96	Microbial community profiling of fresh basil and pitfalls in taxonomic assignment of enterobacterial pathogenic species based upon 16S rRNA amplicon sequencing. <i>International Journal of Food Microbiology</i> , <b>2017</b> , 257, 148-156	5.8	10
95	Performance of four modern whole genome amplification methods for copy number variant detection in single cells. <i>Scientific Reports</i> , <b>2017</b> , 7, 3422	4.9	32
94	RMNE calculation in forensic profiles with a high number of loci and allelic drop-outs using polynomial expansion. <i>Forensic Science International: Genetics</i> , <b>2017</b> , 26, e14-e16	4.3	1
93	Flagging False Positives Following Untargeted LC-MS Characterization of Histone Post-Translational Modification Combinations. <i>Journal of Proteome Research</i> , <b>2017</b> , 16, 655-664	5.6	8
92	Preimplantation genetic diagnosis for chromosomal rearrangements with the use of array comparative genomic hybridization at the blastocyst stage. <i>Fertility and Sterility</i> , <b>2017</b> , 107, 212-219.e3	4.8	10
91	The transcriptome of Mycobacterium tuberculosis in a lipid-rich dormancy model through RNAseq analysis. <i>Scientific Reports</i> , <b>2017</b> , 7, 17665	4.9	20
90	Forensic Loci Allele Database (FLAD): Automatically generated, permanent identifiers for sequenced forensic alleles. <i>Forensic Science International: Genetics</i> , <b>2016</b> , 20, e1-e3	4.3	6
89	Statistical framework for detection of genetically modified organisms based on Next Generation Sequencing. <i>Food Chemistry</i> , <b>2016</b> , 192, 788-98	8.5	40
88	Assessing the impact of minimizing arginine conversion in fully defined SILAC culture medium in human embryonic stem cells. <i>Proteomics</i> , <b>2016</b> , 16, 2605-2614	4.8	2
87	The Quorum Sensing Inhibitor Hamamelitannin Increases Antibiotic Susceptibility of Staphylococcus aureus Biofilms by Affecting Peptidoglycan Biosynthesis and eDNA Release. <i>Scientific Reports</i> , <b>2016</b> , 6, 20321	4.9	110
86	Performance of a TthPrimPol-based whole genome amplification kit for copy number alteration detection using massively parallel sequencing. <i>Scientific Reports</i> , <b>2016</b> , 6, 31825	4.9	9
85	Suboptimal culture conditions induce more deviations in gene expression in male than female bovine blastocysts. <i>BMC Genomics</i> , <b>2016</b> , 17, 72	4.5	45
84	The Equine Embryo Influences Immune-Related Gene Expression in the Oviduct. <i>Biology of Reproduction</i> , <b>2016</b> , 94, 36	3.9	27
83	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> , <b>2016</b> , 70, 127-37	4.5	38
82	Microbial diversity and metabolite composition of Belgian red-brown acidic ales. <i>International Journal of Food Microbiology</i> , <b>2016</b> , 221, 1-11	5.8	24
81	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> , <b>2016</b> , 84, 293-306	3.7	20



80	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> , <b>2016</b> , 47, 548-560	2.3	19
79	Unique long non-coding RNA expression signature in ETV6/RUNX1-driven B-cell precursor acute lymphoblastic leukemia. <i>Oncotarget</i> , <b>2016</b> , 7, 73769-73780	3.3	25
78	Dynamic epigenetic changes to VHL occur with sunitinib in metastatic clear cell renal cancer. <i>Oncotarget</i> , <b>2016</b> , 7, 25241-50	3.3	13
77	Unique Long Non-Coding RNA Expression Signature in ETV6/RUNX1-Driven B-Cell Precursor Acute Lymphoblastic Leukemia. <i>Blood</i> , <b>2016</b> , 128, 3920-3920	2.2	
76	Toward the most ideal case-control design with related and unrelated dogs in whole-exome sequencing studies. <i>Animal Genetics</i> , <b>2016</b> , 47, 200-7	2.5	3
75	Strain Prioritization and Genome Mining for Eneidyne Natural Products. <i>MBio</i> , <b>2016</b> , 7,	7.8	66
74	Prevalence of Gender Nonconformity in Flanders, Belgium. <i>Archives of Sexual Behavior</i> , <b>2015</b> , 44, 1281-7	3.5	106
73	Efficiency of exome sequencing for the molecular diagnosis of pseudoxanthoma elasticum. <i>Journal of Investigative Dermatology</i> , <b>2015</b> , 135, 992-998	4.3	20
72	Validation of a sensitive DNA walking strategy to characterise unauthorised GMOs using model food matrices mimicking common rice products. <i>Food Chemistry</i> , <b>2015</b> , 173, 1259-65	8.5	28
71	Shallow whole genome sequencing is well suited for the detection of chromosomal aberrations in human blastocysts. <i>Fertility and Sterility</i> , <b>2015</b> , 104, 1276-85.e1	4.8	33
70	Viral Small-RNA Analysis of <i>Bombyx mori</i> Larval Midgut during Persistent and Pathogenic Cytoplasmic Polyhedrosis Virus Infection. <i>Journal of Virology</i> , <b>2015</b> , 89, 11473-86	6.6	35
69	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> , <b>2015</b> , 212, 163-77	3	14
68	Challenges and opportunities in the investigation of unexplained intellectual disability using family-based whole-exome sequencing. <i>Clinical Genetics</i> , <b>2015</b> , 88, 140-8	4	21
67	Whole genome amplification with SurePlex results in better copy number alteration detection using sequencing data compared to the MALBAC method. <i>Scientific Reports</i> , <b>2015</b> , 5, 11711	4.9	35
66	Improved canine exome designs, featuring ncRNAs and increased coverage of protein coding genes. <i>Scientific Reports</i> , <b>2015</b> , 5, 12810	4.9	30
65	An heuristic filtering tool to identify phenotype-associated genetic variants applied to human intellectual disability and canine coat colors. <i>BMC Bioinformatics</i> , <b>2015</b> , 16, 391	3.6	3
64	Genome-wide transcription start site profiling in biofilm-grown <i>Burkholderia cenocepacia</i> J2315. <i>BMC Genomics</i> , <b>2015</b> , 16, 775	4.5	24
63	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> , <b>2015</b> , 10, e0125152	2.7	31

62	Genome Sequence of <i>Devriesea agamarum</i> , Isolated from Agamid Lizards with Dermatitis. <i>Genome Announcements</i> , <b>2015</b> , 3,		3
61	Effect of multiple allelic drop-outs in forensic RMNE calculations. <i>Forensic Science International: Genetics</i> , <b>2015</b> , 19, 243-249	4.3	4
60	Phospho-iTRAQ: assessing isobaric labels for the large-scale study of phosphopeptide stoichiometry. <i>Journal of Proteome Research</i> , <b>2015</b> , 14, 839-49	5.6	15
59	Forensic massively parallel sequencing data analysis tool: Implementation of MyFLq as a standalone web- and Illumina BaseSpace(™)-application. <i>Forensic Science International: Genetics</i> , <b>2015</b> , 15, 2-7	4.3	24
58	OSC2 and CYP716A14v2 catalyze the biosynthesis of triterpenoids for the cuticle of aerial organs of <i>Artemisia annua</i> . <i>Plant Cell</i> , <b>2015</b> , 27, 286-301	11.6	64
57	Transcriptome analysis of <i>Bombyx mori</i> larval midgut during persistent and pathogenic cytoplasmic polyhedrosis virus infection. <i>PLoS ONE</i> , <b>2015</b> , 10, e0121447	3.7	40
56	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> , <b>2015</b> , 10, e0126583	3.7	21
55	The BCESM genomic region contains a regulator involved in quorum sensing and persistence in <i>Burkholderia cenocepacia</i> J2315. <i>Future Microbiology</i> , <b>2014</b> , 9, 845-60	2.9	8
54	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> , <b>2014</b> , 72, 129-37	4.7	21
53	Illumina sequencing of 15 deafness genes using fragmented amplicons. <i>BMC Research Notes</i> , <b>2014</b> , 7, 509	2.3	
52	Perfrin, a novel bacteriocin associated with netB positive <i>Clostridium perfringens</i> strains from broilers with necrotic enteritis. <i>Veterinary Research</i> , <b>2014</b> , 45, 40	3.8	36
51	My-Forensic-Loci-queries (MyFLq) framework for analysis of forensic STR data generated by massive parallel sequencing. <i>Forensic Science International: Genetics</i> , <b>2014</b> , 9, 1-8	4.3	59
50	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> , <b>2014</b> , 54, 369-72	2	11
49	Detailed method description for noninvasive monitoring of differentiation status of human embryonic stem cells. <i>Analytical Biochemistry</i> , <b>2014</b> , 461, 60-6	3.1	3
48	The effects of positioning, reason for screening and the referring veterinarian on prevalence estimates of canine hip dysplasia. <i>Veterinary Journal</i> , <b>2014</b> , 201, 378-84	2.5	8
47	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> , <b>2014</b> , 4, 5597	4.9	20
46	Library construction for next-generation sequencing: overviews and challenges. <i>BioTechniques</i> , <b>2014</b> , 56, 61-4, 66, 68, passim	2.5	370
45	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> , <b>2014</b> , 15, 9407-21	6.3	8

44	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> , <b>2014</b> , 2,		4
43	Quantification of integrated HIV DNA by repetitive-sampling Alu-HIV PCR on the basis of poisson statistics. <i>Clinical Chemistry</i> , <b>2014</b> , 60, 886-95	5.5	32
42	Presence and analysis of plasmids in human and animal associated arcobacter species. <i>PLoS ONE</i> , <b>2014</b> , 9, e85487	3.7	20
41	Autovaccination confers protection against <i>Devriesea agamarum</i> associated septicemia but not dermatitis in bearded dragons ( <i>Pogona vitticeps</i> ). <i>PLoS ONE</i> , <b>2014</b> , 9, e113084	3.7	8
40	Differential transcriptome analysis of glandular and filamentous trichomes in <i>Artemisia annua</i> . <i>BMC Plant Biology</i> , <b>2013</b> , 13, 220	5.3	69
39	Presence and potential of cell free DNA in different types of forensic samples. <i>Forensic Science International: Genetics</i> , <b>2013</b> , 7, 316-20	4.3	54
38	Genome-wide association study of obsessive-compulsive disorder. <i>Molecular Psychiatry</i> , <b>2013</b> , 18, 788-98	15.1	244
37	Genome Sequence of <i>Helicobacter heilmannii</i> Sensu Stricto ASB1 Isolated from the Gastric Mucosa of a Kitten with Severe Gastritis. <i>Genome Announcements</i> , <b>2013</b> , 1,		17
36	Caspase-14-deficient mice are more prone to the development of parakeratosis. <i>Journal of Investigative Dermatology</i> , <b>2013</b> , 133, 742-750	4.3	30
35	Partitioning the heritability of Tourette syndrome and obsessive compulsive disorder reveals differences in genetic architecture. <i>PLoS Genetics</i> , <b>2013</b> , 9, e1003864	6	189
34	Ancient dispersal of the human fungal pathogen <i>Cryptococcus gattii</i> from the Amazon rainforest. <i>PLoS ONE</i> , <b>2013</b> , 8, e71148	3.7	100
33	The prevalence of nine genetic disorders in a dog population from Belgium, the Netherlands and Germany. <i>PLoS ONE</i> , <b>2013</b> , 8, e74811	3.7	10
32	Forensic STR analysis using massive parallel sequencing. <i>Forensic Science International: Genetics</i> , <b>2012</b> , 6, 810-8	4.3	80
31	Evaluation of three DNA extraction protocols for forensic STR typing after laser capture microdissection. <i>Forensic Science International: Genetics</i> , <b>2012</b> , 6, 258-62	4.3	22
30	Full genome sequences of all nine <i>Chlamydia psittaci</i> genotype reference strains. <i>Journal of Bacteriology</i> , <b>2012</b> , 194, 6930-1	3.5	33
29	Molecular diagnostics for congenital hearing loss including 15 deafness genes using a next generation sequencing platform. <i>BMC Medical Genomics</i> , <b>2012</b> , 5, 17	3.7	46
28	Catechol-O-methyltransferase gene expression is associated with response to citalopram in obsessive-compulsive disorder. <i>International Journal of Psychiatry in Clinical Practice</i> , <b>2012</b> , 16, 277-83	2.4	14
27	Assessment of microbial diversity in biofilms recovered from endotracheal tubes using culture dependent and independent approaches. <i>PLoS ONE</i> , <b>2012</b> , 7, e38401	3.7	54

26	Variations in the exome of the LNCaP prostate cancer cell line. <i>Prostate</i> , <b>2012</b> , 72, 1317-27	4.2	18
25	Illumina mate-paired DNA sequencing-library preparation using Cre-Lox recombination. <i>Nucleic Acids Research</i> , <b>2012</b> , 40, e24	20.1	47
24	Fetal microchimeric cells in blood of women with an autoimmune thyroid disease. <i>PLoS ONE</i> , <b>2011</b> , 6, e29646	3.7	31
23	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> , <b>2011</b> , 189, 176-89	9.8	143
22	Directional RNA deep sequencing sheds new light on the transcriptional response of <i>Anabaena</i> sp. strain PCC 7120 to combined-nitrogen deprivation. <i>BMC Genomics</i> , <b>2011</b> , 12, 332	4.5	127
21	Modification of citrulline residues with 2,3-butanedione facilitates their detection by liquid chromatography/mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , <b>2011</b> , 25, 1536-42	2.2	28
20	Practical tools to implement massive parallel pyrosequencing of PCR products in next generation molecular diagnostics. <i>PLoS ONE</i> , <b>2011</b> , 6, e25531	3.7	35
19	Quantitative bias in Illumina TruSeq and a novel post amplification barcoding strategy for multiplexed DNA and small RNA deep sequencing. <i>PLoS ONE</i> , <b>2011</b> , 6, e26969	3.7	49
18	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> , <b>2010</b> , 5, e11202	3.7	87
17	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> , <b>2010</b> , 153B, 167-76	3.5	14
16	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> , <b>2010</b> , 153B, 252-9	3.5	5
15	Analysing 454 amplicon resequencing experiments using the modular and database oriented Variant Identification Pipeline. <i>BMC Bioinformatics</i> , <b>2010</b> , 11, 269	3.6	14
14	Response to serotonin reuptake inhibitors in OCD is not influenced by common CYP2D6 polymorphisms. <i>International Journal of Psychiatry in Clinical Practice</i> , <b>2009</b> , 13, 345-348	2.4	16
13	Impact of allelic dropout on evidential value of forensic DNA profiles using RMNE. <i>Bioinformatics</i> , <b>2009</b> , 25, 225-9	7.2	16
12	Automatic detection of spermatozoa for laser capture microdissection. <i>International Journal of Legal Medicine</i> , <b>2009</b> , 123, 169-75	3.1	43
11	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> , <b>2009</b> , 123, 441-7	3.1	27
10	RMNE probability of forensic DNA profiles with allelic drop-out. <i>Forensic Science International: Genetics Supplement Series</i> , <b>2009</b> , 2, 462-463	0.5	6
9	Response to paroxetine and venlafaxine in OCD is not determined by common CYP2D6 polymorphisms. <i>Journal of Biotechnology</i> , <b>2008</b> , 136, S190	3.7	

8	Shorter CAG repeats in the androgen receptor gene may enhance hyperandrogenicity in polycystic ovary syndrome. <i>Gynecological Endocrinology</i> , <b>2008</b> , 24, 669-73	2.4	35
7	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> , <b>2007</b> , 68, 747-53	4.6	51
6	Association between serotonergic candidate genes and specific phenotypes of obsessive compulsive disorder. <i>Journal of Affective Disorders</i> , <b>2006</b> , 91, 39-44	6.6	67
5	Association between the dopamine D2 receptor TaqI A2 allele and low activity COMT allele with obsessive-compulsive disorder in males. <i>European Neuropsychopharmacology</i> , <b>2006</b> , 16, 446-50	1.2	58
4	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> , <b>2006</b> , 7, 25	4.5	100
3	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> , <b>2006</b> , 1118, 180-7	4.5	65
2	Forensic STR profiling using Oxford Nanopore Technologies MinION sequencer		7
1	Ion-networks: a sparse data format capturing full data integrity of data independent acquisition mass spectrometry		3