

Matteo Pellegrini

List of Publications by Year in Descending Order

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

361
papers

25,855
citations

73
h-index

153
g-index

403
ext. papers

31,264
ext. citations

10
avg, IF

6.83
L-index

#	Paper	IF	Citations
361	Aortic intimal resident macrophages are essential for maintenance of the non-thrombogenic intravascular state 2022 , 1, 67-84		2
360	A complex network of interactions governs DNA methylation at telomeric regions.. <i>Nucleic Acids Research</i> , 2022 ,	20.1	1
359	Tick tock, tick tock: Mouse culture and tissue aging captured by an epigenetic clock.. <i>Aging Cell</i> , 2022 , e13553	9.9	1
358	A mammalian methylation array for profiling methylation levels at conserved sequences.. <i>Nature Communications</i> , 2022 , 13, 783	17.4	15
357	Abstract P2-11-06: Differential gene expression patterns in healthy breast tissue exhibiting epigenetic age acceleration. <i>Cancer Research</i> , 2022 , 82, P2-11-06-P2-11-06	10.1	
356	Hibernation slows epigenetic ageing in yellow-bellied marmots.. <i>Nature Ecology and Evolution</i> , 2022 ,	12.3	2
355	Cell-specific deletion of PFKFB3 restores cell fitness competition and physiological replication under diabetogenic stress.. <i>Communications Biology</i> , 2022 , 5, 248	6.7	
354	DNA methylation profiles in pneumonia patients reflect changes in cell types and pneumonia severity.. <i>Epigenetics</i> , 2022 , 1-15	5.7	0
353	Canonical Wnt signaling induces focal adhesion and Integrin beta-1 endocytosis.. <i>IScience</i> , 2022 , 25, 104123	12.3	1
352	High-quality genome and methylomes illustrate features underlying evolutionary success of oaks.. <i>Nature Communications</i> , 2022 , 13, 2047	17.4	2
351	Mapping human haematopoietic stem cells from haemogenic endothelium to birth.. <i>Nature</i> , 2022 ,	50.4	4
350	Transcriptional Evaluation of the Ductus Arteriosus at the Single-Cell Level Uncovers a Requirement for Vim (Vimentin) for Complete Closure.. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2022 , 101161ATVBAHA121317172	9.4	0
349	Nonlesional lupus skin contributes to inflammatory education of myeloid cells and primes for cutaneous inflammation.. <i>Science Translational Medicine</i> , 2022 , 14, eabn2263	17.5	3
348	The effects of age, sex, weight, and breed on canid methylomes.. <i>Epigenetics</i> , 2022 , 1-16	5.7	0
347	Integrated analysis of an in vivo model of intra-nasal exposure to instilled air pollutants reveals cell-type specific responses in the placenta.. <i>Scientific Reports</i> , 2022 , 12, 8438	4.9	
346	Bruins-in-Genomics: Evaluation of the impact of a UCLA undergraduate summer program in computational biology on participating students. <i>PLoS ONE</i> , 2022 , 17, e0268861	3.7	
345	Epigenetic models developed for plains zebras predict age in domestic horses and endangered equids.. <i>Communications Biology</i> , 2021 , 4, 1412	6.7	4

344	Genetically determined elevated C-reactive protein associated with primary colorectal cancer risk: Mendelian randomization with lifestyle interactions. <i>American Journal of Cancer Research</i> , 2021 , 11, 1733-1753 ¹	4.4	1
343	The cardiomyocyte disrupts pyrimidine biosynthesis in non-myocytes to regulate heart repair. <i>Journal of Clinical Investigation</i> , 2021 ,	15.9	2
342	Development of allogeneic HSC-engineered iNKT cells for off-the-shelf cancer immunotherapy. <i>Cell Reports Medicine</i> , 2021 , 2, 100449	18	7
341	Hematopoiesis under telomere attrition at the single-cell resolution. <i>Nature Communications</i> , 2021 , 12, 6850	17.4	1
340	The IntAct database: efficient access to fine-grained molecular interaction data. <i>Nucleic Acids Research</i> , 2021 ,	20.1	15
339	Synergistic Effects of Genetic Variants of Glucose Homeostasis and Lifelong Exposures to Cigarette Smoking, Female Hormones, and Dietary Fat Intake on Primary Colorectal Cancer Development in African and Hispanic/Latino American Women. <i>Frontiers in Oncology</i> , 2021 , 11, 760243	5.3	0
338	Fasting-mimicking diet prevents high-fat diet effect on cardiometabolic risk and lifespan. <i>Nature Metabolism</i> , 2021 , 3, 1342-1356	14.6	9
337	GLUT1 overexpression enhances glucose metabolism and promotes neonatal heart regeneration. <i>Scientific Reports</i> , 2021 , 11, 8669	4.9	7
336	Single-cell sequencing of human white adipose tissue identifies new cell states in health and obesity. <i>Nature Immunology</i> , 2021 , 22, 639-653	19.1	31
335	Species-Specific Relationships between DNA and Chromatin Properties of CpG Islands in Embryonic Stem Cells and Differentiated Cells. <i>Stem Cell Reports</i> , 2021 , 16, 899-912	8	2
334	Single Cell Transcriptomic Analyses Reveal the Impact of bHLH Factors on Human Retinal Organoid Development. <i>Frontiers in Cell and Developmental Biology</i> , 2021 , 9, 653305	5.7	0
333	Targeting monoamine oxidase A for T cell-based cancer immunotherapy. <i>Science Immunology</i> , 2021 , 6,	28	9
332	BiSulfite Bolt: A bisulfite sequencing analysis platform. <i>GigaScience</i> , 2021 , 10,	7.6	8
331	Targeting monoamine oxidase A-regulated tumor-associated macrophage polarization for cancer immunotherapy. <i>Nature Communications</i> , 2021 , 12, 3530	17.4	14
330	The cellular architecture of the antimicrobial response network in human leprosy granulomas. <i>Nature Immunology</i> , 2021 , 22, 839-850	19.1	13
329	Targeted bisulfite sequencing for biomarker discovery. <i>Methods</i> , 2021 , 187, 13-27	4.6	10
328	Cell-free DNA Methylation and Transcriptomic Signature Prediction of Pregnancies with Adverse Outcomes. <i>Epigenetics</i> , 2021 , 16, 642-661	5.7	14
327	A High-Content Screen Identifies Drugs That Restrict Tumor Cell Extravasation across the Endothelial Barrier. <i>Cancer Research</i> , 2021 , 81, 619-633	10.1	1

326	EGlobin Lentiviral Vectors Have Reduced Titers due to Incomplete Vector RNA Genomes and Lowered Virion Production. <i>Stem Cell Reports</i> , 2021 , 16, 198-211	8	5
325	Genome-wide Association Analysis of Proinflammatory Cytokines and Gene-lifestyle Interaction for Invasive Breast Cancer Risk: The WHI dbGaP Study. <i>Cancer Prevention Research</i> , 2021 , 14, 41-54	3.2	7
324	Metabolic reprogramming and epigenetic changes of vital organs in SARS-CoV-2-induced systemic toxicity. <i>JCI Insight</i> , 2021 , 6,	9.9	29
323	Extracellular traps released by antimicrobial TH17 cells contribute to host defense. <i>Journal of Clinical Investigation</i> , 2021 , 131,	15.9	8
322	Pro-inflammatory cytokine polymorphisms and interactions with dietary alcohol and estrogen, risk factors for invasive breast cancer using a post genome-wide analysis for gene-gene and gene-lifestyle interaction. <i>Scientific Reports</i> , 2021 , 11, 1058	4.9	3
321	The Gene Expression Deconvolution Interactive Tool (GEDIT): accurate cell type quantification from gene expression data. <i>GigaScience</i> , 2021 , 10,	7.6	11
320	Integrative analysis of chloroplast DNA methylation in a marine alga-Saccharina japonica. <i>Plant Molecular Biology</i> , 2021 , 105, 611-623	4.6	1
319	Comparative analysis of embryo proper and suspensor transcriptomes in plant embryos with different morphologies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	3
318	Single-cell RNA sequencing of batch Chlamydomonas cultures reveals heterogeneity in their diurnal cycle phase. <i>Plant Cell</i> , 2021 , 33, 1042-1057	11.6	10
317	Human DNA methylation signatures differentiate persistent from resolving MRSA bacteremia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	3
316	Identification of Genes Encoding Antimicrobial Proteins in Langerhans Cells. <i>Frontiers in Immunology</i> , 2021 , 12, 695373	8.4	
315	Systematic evaluation of transcriptomics-based deconvolution methods and references using thousands of clinical samples. <i>Briefings in Bioinformatics</i> , 2021 , 22,	13.4	1
314	NOTUM promotes thermogenic capacity and protects against diet-induced obesity in male mice. <i>Scientific Reports</i> , 2021 , 11, 16409	4.9	1
313	The induction of preterm labor in rhesus macaques is determined by the strength of immune response to intrauterine infection. <i>PLoS Biology</i> , 2021 , 19, e3001385	9.7	1
312	IRAK2 Has a Critical Role in Promoting Feed-Forward Amplification of Epidermal Inflammatory Responses. <i>Journal of Investigative Dermatology</i> , 2021 , 141, 2436-2448	4.3	2
311	Early adaptive chromatin remodeling events precede pathologic phenotypes and are reinforced in the failing heart. <i>Journal of Molecular and Cellular Cardiology</i> , 2021 , 160, 73-86	5.8	4
310	Inhibition of microbiota-dependent TMAO production attenuates chronic kidney disease in mice. <i>Scientific Reports</i> , 2021 , 11, 518	4.9	15
309	Omega-3 Fatty Acids Increase Amyloid-Immunity, Energy, and Circadian Rhythm for Cognitive Protection of Alzheimer's Disease Patients Beyond Cholinesterase Inhibitors. <i>Journal of Alzheimer's Disease</i> , 2020 , 75, 993-1002	4.3	3

308	Phenotypic and functional characterization of corneal endothelial cells during in vitro expansion. <i>Scientific Reports</i> , 2020 , 10, 7402	4.9	18
307	EMP2 Is a Novel Regulator of Stemness in Breast Cancer Cells. <i>Molecular Cancer Therapeutics</i> , 2020 , 19, 1682-1695	6.1	2
306	Expression of Stromal Progesterone Receptor and Differential Methylation Patterns in the Endometrium May Correlate with Response to Progesterone Therapy in Endometrial Complex Atypical Hyperplasia. <i>Reproductive Sciences</i> , 2020 , 27, 1778-1790	3	1
305	Cellular, Molecular, and Immunological Characteristics of Langhans Multinucleated Giant Cells Programmed by IL-15. <i>Journal of Investigative Dermatology</i> , 2020 , 140, 1824-1836.e7	4.3	4
304	Impacts of ciliary neurotrophic factor on the retinal transcriptome in a mouse model of photoreceptor degeneration. <i>Scientific Reports</i> , 2020 , 10, 6593	4.9	2
303	Type V Collagen in Scar Tissue Regulates the Size of Scar after Heart Injury. <i>Cell</i> , 2020 , 182, 545-562.e23	56.2	35
302	The Epigenetic Pacemaker: modeling epigenetic states under an evolutionary framework. <i>Bioinformatics</i> , 2020 , 36, 4662-4663	7.2	6
301	Effects of sulforaphane on the oxidative response, apoptosis, and the transcriptional profile of human stomach mucosa cells in vitro. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2020 , 854-855, 503201	3	0
300	Retraction Note: An apoptosis-enhancing drug overcomes platinum resistance in a tumour-initiating subpopulation of ovarian cancer. <i>Nature Communications</i> , 2020 , 11, 2218	17.4	1
299	The dopamine receptor antagonist trifluoperazine prevents phenotype conversion and improves survival in mouse models of glioblastoma. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 11085-11096	11.5	12
298	Molecular signatures for inflammation vary across cancer types and correlate significantly with tumor stage, sex and vital status of patients. <i>PLoS ONE</i> , 2020 , 15, e0221545	3.7	4
297	ER Stress Regulates Immunosuppressive Function of Myeloid Derived Suppressor Cells in Leprosy that Can Be Overcome in the Presence of IFN- γ . <i>Science</i> , 2020 , 23, 101050	6.1	3
296	ACTINN: automated identification of cell types in single cell RNA sequencing. <i>Bioinformatics</i> , 2020 , 36, 533-538	7.2	44
295	SF3B1-Mutant Myelodysplastic Syndrome with Ringed Sideroblasts (MDS-RS) at the Single-Cell Level. <i>Blood</i> , 2020 , 136, 50-51	2.2	1
294	Cardiac fibroblast proliferation rates and collagen expression mature early and are unaltered with advancing age. <i>JCI Insight</i> , 2020 , 5,	9.9	6
293	X chromosome dosage of histone demethylase KDM5C determines sex differences in adiposity. <i>Journal of Clinical Investigation</i> , 2020 , 130, 5688-5702	15.9	17
292	Pro-inflammatory cytokine polymorphisms in ONECUT2 and HNF4A and primary colorectal carcinoma: a post genome-wide gene-lifestyle interaction study. <i>American Journal of Cancer Research</i> , 2020 , 10, 2955-2976	4.4	1
291	A rat epigenetic clock recapitulates phenotypic aging and co-localizes with heterochromatin. <i>ELife</i> , 2020 , 9,	8.9	8

290	The IMEx coronavirus interactome: an evolving map of Coronaviridae-host molecular interactions. <i>Database: the Journal of Biological Databases and Curation</i> , 2020 , 2020,	5	19
289	The IMEx Coronavirus interactome: an evolving map of Coronaviridae-Host molecular interactions 2020 ,		4
288	Activation of the HIF1 α /PFKFB3 stress response pathway in beta cells in type 1 diabetes. <i>Diabetologia</i> , 2020 , 63, 149-161	10.3	26
287	Transcriptome and DNA methylation changes modulated by sulforaphane induce cell cycle arrest, apoptosis, DNA damage, and suppression of proliferation in human liver cancer cells. <i>Food and Chemical Toxicology</i> , 2020 , 136, 111047	4.7	31
286	Genome-wide DNA Methylation Profiling of Blood from Monozygotic Twins Discordant for Myocardial Infarction. <i>In Vivo</i> , 2020 , 34, 361-367	2.3	3
285	Transcriptome Profiling of Human Monocyte-Derived Macrophages Upon CCL2 Neutralization Reveals an Association Between Activation of Innate Immune Pathways and Restriction of HIV-1 Gene Expression. <i>Frontiers in Immunology</i> , 2020 , 11, 2129	8.4	4
284	Dysregulation of hsa-miR-34a and hsa-miR-449a leads to overexpression of PACS-1 and loss of DNA damage response (DDR) in cervical cancer. <i>Journal of Biological Chemistry</i> , 2020 , 295, 17169-17186	5.4	5
283	Creating New β Globin-Expressing Lentiviral Vectors by High-Resolution Mapping of Locus Control Region Enhancer Sequences. <i>Molecular Therapy - Methods and Clinical Development</i> , 2020 , 17, 999-1013	6.4	6
282	Dynamic changes in chromatin accessibility, altered adipogenic gene expression, and total versus de novo fatty acid synthesis in subcutaneous adipose stem cells of normal-weight polycystic ovary syndrome (PCOS) women during adipogenesis: evidence of cellular programming. <i>Clinical Epigenetics</i> , 2020 , 12, 181	7.7	6
281	Towards a unified open access dataset of molecular interactions. <i>Nature Communications</i> , 2020 , 11, 6144	7.4	26
280	Epigenetic Suppression of Transgenic T-cell Receptor Expression via Gamma-Retroviral Vector Methylation in Adoptive Cell Transfer Therapy. <i>Cancer Discovery</i> , 2020 , 10, 1645-1653	24.4	7
279	Omega-3 fatty acids increase OXPHOS energy for immune therapy of Alzheimer disease patients. <i>FASEB Journal</i> , 2020 , 34, 9982-9994	0.9	5
278	Impact of Soil Salinity on the Cowpea Nodule-Microbiome and the Isolation of Halotolerant PGPR Strains to Promote Plant Growth under Salinity Stress. <i>Phytobiomes Journal</i> , 2020 , 4, 364-374	4.8	4
277	Integrative Analysis of Glucometabolic Traits, Adipose Tissue DNA Methylation, and Gene Expression Identifies Epigenetic Regulatory Mechanisms of Insulin Resistance and Obesity in African Americans. <i>Diabetes</i> , 2020 , 69, 2779-2793	0.9	1
276	Single-base methylome profiling of the giant kelp <i>Saccharina japonica</i> reveals significant differences in DNA methylation to microalgae and plants. <i>New Phytologist</i> , 2020 , 225, 234-249	9.8	14
275	Interactions between core histone marks and DNA methyltransferases predict DNA methylation patterns observed in human cells and tissues. <i>Epigenetics</i> , 2020 , 15, 272-282	5.7	12
274	TNF-Signaling Modulates Neutrophil-Mediated Immunity at the Feto-Maternal Interface During LPS-Induced Intrauterine Inflammation. <i>Frontiers in Immunology</i> , 2020 , 11, 558	8.4	13
273	Genetically Predicted C-Reactive Protein Associated With Postmenopausal Breast Cancer Risk: Interrelation With Estrogen and Cancer Molecular Subtypes Using Mendelian Randomization. <i>Frontiers in Oncology</i> , 2020 , 10, 630994	5.3	2

272	A randomized, phase 1, placebo-controlled trial of APG-157 in oral cancer demonstrates systemic absorption and an inhibitory effect on cytokines and tumor-associated microbes. <i>Cancer</i> , 2020 , 126, 1668-1682	6.4	14
271	Identification of Bridging Centrality in Complex Networks. <i>IEEE Access</i> , 2019 , 7, 93123-93130	3.5	5
270	An in situ high-throughput screen identifies inhibitors of intracellular with therapeutic efficacy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 18597-18606	11.5	8
269	H3K36 Methylation and the Chromodomain Protein Eaf3 Are Required for Proper Cotranscriptional Spliceosome Assembly. <i>Cell Reports</i> , 2019 , 27, 3760-3769.e4	10.6	14
268	Human epigenetic ageing is logarithmic with time across the entire lifespan. <i>Epigenetics</i> , 2019 , 14, 912-926	3.7	17
267	ZEB1 insufficiency causes corneal endothelial cell state transition and altered cellular processing. <i>PLoS ONE</i> , 2019 , 14, e0218279	3.7	12
266	Dual RNA-Seq of Human Leprosy Lesions Identifies Bacterial Determinants Linked to Host Immune Response. <i>Cell Reports</i> , 2019 , 26, 3574-3585.e3	10.6	26
265	DNA methylation estimation using methylation-sensitive restriction enzyme bisulfite sequencing (MREBS). <i>PLoS ONE</i> , 2019 , 14, e0214368	3.7	10
264	A comparison between whole transcript and 3RRNA sequencing methods using Kapa and Lexogen library preparation methods. <i>BMC Genomics</i> , 2019 , 20, 9	4.5	31
263	Endocardially Derived Macrophages Are Essential for Valvular Remodeling. <i>Developmental Cell</i> , 2019 , 48, 617-630.e3	10.2	26
262	Functional reprogramming of regulatory T cells in the absence of Foxp3. <i>Nature Immunology</i> , 2019 , 20, 1208-1219	19.1	66
261	RNA Modulates the Expression of Cell Cycle Genes in Human Fibroblasts. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	6
260	The lichen symbiosis re-viewed through the genomes of <i>Cladonia grayi</i> and its algal partner <i>Asterochloris glomerata</i> . <i>BMC Genomics</i> , 2019 , 20, 605	4.5	54
259	The cell fate regulator NUPR1 is induced by <i>Mycobacterium leprae</i> via type I interferon in human leprosy. <i>PLoS Neglected Tropical Diseases</i> , 2019 , 13, e0007589	4.8	6
258	IL-1 β Induces the Rapid Secretion of the Antimicrobial Protein IL-26 from Th17 Cells. <i>Journal of Immunology</i> , 2019 , 203, 911-921	5.3	13
257	The size of cell-free mitochondrial DNA in blood is inversely correlated with tumor burden in cancer patients. <i>Precision Clinical Medicine</i> , 2019 , 2, 131-139	6.7	10
256	Identification of a systemic interferon- β inducible antimicrobial gene signature in leprosy patients undergoing reversal reaction. <i>PLoS Neglected Tropical Diseases</i> , 2019 , 13, e0007764	4.8	12
255	Single-Cell RNA Sequencing Reveals Distinct Hematopoietic Stem Cell Hierarchies in MDS. <i>Blood</i> , 2019 , 134, 771-771	2.2	1

254	DNA Methylation Changes More Slowly Than Physiological States in Response to Weight Loss in Genetically Diverse Mouse Strains. <i>Frontiers in Endocrinology</i> , 2019 , 10, 882	5.7	5
253	Plasticity of antimicrobial and phagocytic programs in human macrophages. <i>Immunology</i> , 2019 , 156, 164-183	18.3	18
252	Genetic Mechanisms of Immune Evasion in Colorectal Cancer. <i>Cancer Discovery</i> , 2018 , 8, 730-749	24.4	235
251	Topological Arrangement of Cardiac Fibroblasts Regulates Cellular Plasticity. <i>Circulation Research</i> , 2018 , 123, 73-85	15.7	29
250	Transfer RNA Induces IL-12p70 via Synergistic Activation of Pattern Recognition Receptors within a Cell Network. <i>Journal of Immunology</i> , 2018 , 200, 3244-3258	5.3	12
249	Complete genomic sequences of <i>Propionibacterium freudenreichii</i> phages from Swiss cheese reveal greater diversity than <i>Cutibacterium</i> (formerly <i>Propionibacterium</i>) <i>acnes</i> phages. <i>BMC Microbiology</i> , 2018 , 18, 19	4.5	8
248	Epigenome-wide association in adipose tissue from the METSIM cohort. <i>Human Molecular Genetics</i> , 2018 , 27, 1830-1846	5.6	22
247	CGmapTools improves the precision of heterozygous SNV calls and supports allele-specific methylation detection and visualization in bisulfite-sequencing data. <i>Bioinformatics</i> , 2018 , 34, 381-387	7.2	60
246	Prenatal Growth Patterns and Birthweight Are Associated With Differential DNA Methylation and Gene Expression of Cardiometabolic Risk Genes in Human Placentas: A Discovery-Based Approach. <i>Reproductive Sciences</i> , 2018 , 25, 523-539	3	27
245	CRACR2A-Mediated TCR Signaling Promotes Local Effector Th1 and Th17 Responses. <i>Journal of Immunology</i> , 2018 , 201, 1174-1185	5.3	12
244	An epigenetic pacemaker is detected via a fast conditional expectation maximization algorithm. <i>Epigenomics</i> , 2018 , 10, 695-706	4.4	11
243	Loss of MECP2 Leads to Activation of P53 and Neuronal Senescence. <i>Stem Cell Reports</i> , 2018 , 10, 1453-1863	18.63	28
242	Transposon-associated epigenetic silencing during <i>Pleurotus ostreatus</i> life cycle. <i>DNA Research</i> , 2018 , 25, 451-464	4.5	13
241	Directed strain evolution restructures metabolism for 1-butanol production in minimal media. <i>Metabolic Engineering</i> , 2018 , 49, 153-163	9.7	16
240	Seed genome hypomethylated regions are enriched in transcription factor genes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E8315-E8322	11.5	11
239	Vav3-induced cytoskeletal dynamics contribute to heterotypic properties of endothelial barriers. <i>Journal of Cell Biology</i> , 2018 , 217, 2813-2830	7.3	16
238	A multi-tissue full lifespan epigenetic clock for mice. <i>Aging</i> , 2018 , 10, 2832-2854	5.6	86
237	High-throughput sequencing of the chloroplast and mitochondrion of <i>Chlamydomonas reinhardtii</i> to generate improved de novo assemblies, analyze expression patterns and transcript speciation, and evaluate diversity among laboratory strains and wild isolates. <i>Plant Journal</i> , 2018 , 93, 545-565	6.9	54

236	Immunotherapy of Mild Cognitive Impairment by EB Supplementation: Why Are Amyloid- β Antibodies and EB Not Working in Clinical Trials?. <i>Journal of Alzheimer's Disease</i> , 2018 , 62, 1013-1022	4.3	9
235	Comparison of reprogramming factor targets reveals both species-specific and conserved mechanisms in early iPSC reprogramming. <i>BMC Genomics</i> , 2018 , 19, 956	4.5	8
234	A temporal transcriptome and methylome in human embryonic stem cell-derived cardiomyocytes identifies novel regulators of early cardiac development. <i>Epigenetics</i> , 2018 , 13, 1013-1026	5.7	13
233	A phylogenomic study quantifies competing mechanisms for pseudogenization in prokaryotes-The <i>Mycobacterium leprae</i> case. <i>PLoS ONE</i> , 2018 , 13, e0204322	3.7	3
232	Metabolic repair through emergence of new pathways in <i>Escherichia coli</i> . <i>Nature Chemical Biology</i> , 2018 , 14, 1005-1009	11.7	14
231	Human antimicrobial cytotoxic T lymphocytes, defined by NK receptors and antimicrobial proteins, kill intracellular bacteria. <i>Science Immunology</i> , 2018 , 3,	28	34
230	The Memory of Environmental Chemical Exposure in <i>C. elegans</i> Is Dependent on the Jumonji Demethylases <i>jmjd-2</i> and <i>jmjd-3/utx-1</i> . <i>Cell Reports</i> , 2018 , 23, 2392-2404	10.6	32
229	Synaptic N-methyladenosine (m ⁶ A) epitranscriptome reveals functional partitioning of localized transcripts. <i>Nature Neuroscience</i> , 2018 , 21, 1004-1014	25.5	83
228	Review of the algal biology program within the National Alliance for Advanced Biofuels and Bioproducts. <i>Algal Research</i> , 2017 , 22, 187-215	5	50
227	Astrocytes Can Adopt Endothelial Cell Fates in a p53-Dependent Manner. <i>Molecular Neurobiology</i> , 2017 , 54, 4584-4596	6.2	10
226	Altered methylation of specific DNA loci in the liver of β -null mice results in repression of and is associated with development of preneoplastic foci. <i>FASEB Journal</i> , 2017 , 31, 2090-2103	0.9	8
225	Modulation of innate immunity of patients with Alzheimer's disease by omega-3 fatty acids. <i>FASEB Journal</i> , 2017 , 31, 3229-3239	0.9	28
224	Chromosome-level genome assembly and transcriptome of the green alga illuminates astaxanthin production. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E4296-E4305	11.5	95
223	Abf1 and other general regulatory factors control ribosome biogenesis gene expression in budding yeast. <i>Nucleic Acids Research</i> , 2017 , 45, 4493-4506	20.1	19
222	Omega-3 fatty acids increase the unfolded protein response and improve amyloid- β phagocytosis by macrophages of patients with mild cognitive impairment. <i>FASEB Journal</i> , 2017 , 31, 4359-4369	0.9	18
221	Cytoreductive conditioning intensity predicts clonal diversity in ADA-SCID retroviral gene therapy patients. <i>Blood</i> , 2017 , 129, 2624-2635	2.2	20
220	Human Embryonic Stem Cells Do Not Change Their X Inactivation Status during Differentiation. <i>Cell Reports</i> , 2017 , 18, 54-67	10.6	72
219	Similarity between soybean and seed methylomes and loss of non-CG methylation does not affect seed development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E9730-E9739	11.5	72

218	SaVanT: a web-based tool for the sample-level visualization of molecular signatures in gene expression profiles. <i>BMC Genomics</i> , 2017 , 18, 824	4.5	26
217	Addressing the Digital Divide in Contemporary Biology: Lessons from Teaching UNIX. <i>Trends in Biotechnology</i> , 2017 , 35, 901-903	15.1	13
216	High-Resolution Mapping of Chromatin Conformation in Cardiac Myocytes Reveals Structural Remodeling of the Epigenome in Heart Failure. <i>Circulation</i> , 2017 , 136, 1613-1625	16.7	80
215	Cardiac Fibroblasts Adopt Osteogenic Fates and Can Be Targeted to Attenuate Pathological Heart Calcification. <i>Cell Stem Cell</i> , 2017 , 20, 218-232.e5	18	65
214	Increased intermediate M1-M2 macrophage polarization and improved cognition in mild cognitive impairment patients on EB supplementation. <i>FASEB Journal</i> , 2017 , 31, 148-160	0.9	53
213	Divergence in Morris Water Maze-Based Cognitive Performance under Chronic Stress Is Associated with the Hippocampal Whole Transcriptomic Modification in Mice. <i>Frontiers in Molecular Neuroscience</i> , 2017 , 10, 275	6.1	13
212	Glucose inhibits cardiac muscle maturation through nucleotide biosynthesis. <i>ELife</i> , 2017 , 6,	8.9	85
211	Targeted mutagenesis in a human-parasitic nematode. <i>PLoS Pathogens</i> , 2017 , 13, e1006675	7.6	68
210	An epigenetic aging clock for dogs and wolves. <i>Aging</i> , 2017 , 9, 1055-1068	5.6	86
209	Sequencing of cancer cell subpopulations identifies micrometastases in a bladder cancer patient. <i>Oncotarget</i> , 2017 , 8, 45619-45625	3.3	7
208	Whole-genome expression analysis of mammalian-wide interspersed repeat elements in human cell lines. <i>DNA Research</i> , 2017 , 24, 59-69	4.5	12
207	Mergeomics: multidimensional data integration to identify pathogenic perturbations to biological systems. <i>BMC Genomics</i> , 2016 , 17, 874	4.5	56
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7	DNA methylation estimation using methylation-sensitive restriction enzyme bisulfite sequencing (MREBS)		1
6	Dual RNAseq of human leprosy lesions identifies bacterial determinants linked to host immune response		1
5	Human Epigenetic Aging is Logarithmic with Time across the Entire LifeSpan		2
4	Glucose metabolism promotes neonatal heart regeneration		1
3	Hibernation slows epigenetic aging in yellow-bellied marmots		4

2	High-quality genome and methylomes illustrate features underlying evolutionary success of oaks	2
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