

# Davide Gentilini

## List of Publications by Citations

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**Version:** 2024-04-29

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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.

80  
papers

3,439  
citations

30  
h-index

57  
g-index

93  
ext. papers

4,186  
ext. citations

5.5  
avg, IF

4.57  
L-index

#	Paper	IF	Citations
80	Genome-wide meta-analysis identifies 11 new loci for anthropometric traits and provides insights into genetic architecture. <i>Nature Genetics</i> , <b>2013</b> , 45, 501-12	36.3	437
79	Accelerated epigenetic aging in Down syndrome. <i>Aging Cell</i> , <b>2015</b> , 14, 491-5	9.9	333
78	Methylation of ELOVL2 gene as a new epigenetic marker of age. <i>Aging Cell</i> , <b>2012</b> , 11, 1132-4	9.9	261
77	Genome-wide association study of blood pressure extremes identifies variant near UMOD associated with hypertension. <i>PLoS Genetics</i> , <b>2010</b> , 6, e1001177	6	255
76	Decreased epigenetic age of PBMCs from Italian semi-supercentenarians and their offspring. <i>Aging</i> , <b>2015</b> , 7, 1159-70	5.6	211
75	Role of epigenetics in human aging and longevity: genome-wide DNA methylation profile in centenarians and centenarians offspring. <i>Age</i> , <b>2013</b> , 35, 1961-73		146
74	PI3K/Akt and ERK1/2 signalling pathways are involved in endometrial cell migration induced by 17beta-estradiol and growth factors. <i>Molecular Human Reproduction</i> , <b>2007</b> , 13, 317-22	4.4	109
73	A genome-wide association meta-analysis identifies a novel locus at 17q11.2 associated with sporadic amyotrophic lateral sclerosis. <i>Human Molecular Genetics</i> , <b>2014</b> , 23, 2220-31	5.6	95
72	Identification of Cadherin 2 () Mutations in Arrhythmogenic Right Ventricular Cardiomyopathy. <i>Circulation: Cardiovascular Genetics</i> , <b>2017</b> , 10,		94
71	Visceral adipocytes: old actors in obesity and new protagonists in Crohn's disease?. <i>Gut</i> , <b>2012</b> , 61, 86-94	19.2	79
70	The selective vitamin D receptor agonist, elocalcitol, reduces endometriosis development in a mouse model by inhibiting peritoneal inflammation. <i>Human Reproduction</i> , <b>2012</b> , 27, 2010-9	5.7	71
69	Identification of a DNA methylation signature in blood cells from persons with Down Syndrome. <i>Aging</i> , <b>2015</b> , 7, 82-96	5.6	68
68	A frequent oligogenic involvement in congenital hypothyroidism. <i>Human Molecular Genetics</i> , <b>2017</b> , 26, 2507-2514	5.6	67
67	An Italian association study and meta-analysis with previous GWAS confirm WNT4, CDKN2BAS and FN1 as the first identified susceptibility loci for endometriosis. <i>Journal of Medical Genetics</i> , <b>2013</b> , 50, 43-6	5.8	67
66	Acceleration of leukocytes epigenetic age as an early tumor and sex-specific marker of breast and colorectal cancer. <i>Oncotarget</i> , <b>2017</b> , 8, 23237-23245	3.3	60
65	Meta-analysis of gene-level associations for rare variants based on single-variant statistics. <i>American Journal of Human Genetics</i> , <b>2013</b> , 93, 236-48	11	49
64	Metronomic administration of zoledronic acid and taxotere combination in castration resistant prostate cancer patients: phase I ZANTE trial. <i>Cancer Biology and Therapy</i> , <b>2010</b> , 10, 543-8	4.6	43

63	Stochastic epigenetic mutations (DNA methylation) increase exponentially in human aging and correlate with X chromosome inactivation skewing in females. <i>Aging</i> , <b>2015</b> , 7, 568-78	5.6	43
62	Differences in visceral fat and fat bacterial colonization between ulcerative colitis and Crohn's disease. An in vivo and in vitro study. <i>PLoS ONE</i> , <b>2013</b> , 8, e78495	3.7	41
61	Molecular and morphologic characterization of superficial- and deep-subcutaneous adipose tissue subdivisions in human obesity. <i>Obesity</i> , <b>2013</b> , 21, 2562-70	8	40
60	A meta-analysis on age-associated changes in blood DNA methylation: results from an original analysis pipeline for Infinium 450k data. <i>Aging</i> , <b>2015</b> , 7, 97-109	5.6	40
59	The vascular endothelial growth factor +405G>C polymorphism in endometriosis. <i>Human Reproduction</i> , <b>2008</b> , 23, 211-5	5.7	39
58	Surgical excision of ovarian endometriomas: Does it truly impair ovarian reserve? Long term anti-Müllerian hormone (AMH) changes after surgery. <i>Journal of Obstetrics and Gynaecology Research</i> , <b>2015</b> , 41, 1773-8	1.9	38
57	Gene expression profiling of peripheral blood mononuclear cells in endometriosis identifies genes altered in non-gynaecologic chronic inflammatory diseases. <i>Human Reproduction</i> , <b>2011</b> , 26, 3109-17	5.7	35
56	Epigenome-wide association study in hepatocellular carcinoma: Identification of stochastic epigenetic mutations through an innovative statistical approach. <i>Oncotarget</i> , <b>2017</b> , 8, 41890-41902	3.3	35
55	Age-dependent skewing of X chromosome inactivation appears delayed in centenarians' offspring. Is there a role for allelic imbalance in healthy aging and longevity?. <i>Aging Cell</i> , <b>2012</b> , 11, 277-83	9.9	33
54	Where comes the sun's pigmented traits and sun habits in women with endometriosis. <i>Human Reproduction</i> , <b>2010</b> , 25, 728-33	5.7	33
53	One-year Mediterranean diet promotes epigenetic rejuvenation with country- and sex-specific effects: a pilot study from the NU-AGE project. <i>GeroScience</i> , <b>2020</b> , 42, 687-701	8.9	32
52	Permanence of molecular features of obesity in subcutaneous adipose tissue of ex-obese subjects. <i>International Journal of Obesity</i> , <b>2013</b> , 37, 867-73	5.5	31
51	Complex interplay between neutral and adaptive evolution shaped differential genomic background and disease susceptibility along the Italian peninsula. <i>Scientific Reports</i> , <b>2016</b> , 6, 32513	4.9	30
50	Endocannabinoid system regulates migration of endometrial stromal cells via cannabinoid receptor 1 through the activation of PI3K and ERK1/2 pathways. <i>Fertility and Sterility</i> , <b>2010</b> , 93, 2588-93	4.8	30
49	Endometrial stromal cells from women with endometriosis reveal peculiar migratory behavior in response to ovarian steroids. <i>Fertility and Sterility</i> , <b>2010</b> , 93, 706-15	4.8	25
48	Colorectal cancer early methylation alterations affect the crosstalk between cell and surrounding environment, tracing a biomarker signature specific for this tumor. <i>International Journal of Cancer</i> , <b>2018</b> , 143, 907-920	7.5	23
47	The endocannabinoid pathway and the female reproductive organs. <i>Journal of Molecular Endocrinology</i> , <b>2013</b> , 50, R1-9	4.5	23
46	Altered modulation of lamin A/C-HDAC2 interaction and p21 expression during oxidative stress response in HGPS. <i>Aging Cell</i> , <b>2018</b> , 17, e12824	9.9	21

45	Pathogenic Variants in and in Genes for GABA <sub>A</sub> Receptor Subunits Cause Atypical Rett/Rett-like Phenotypes. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	21
44	Replication and meta-analysis of previous genome-wide association studies confirm vezatin as the locus with the strongest evidence for association with endometriosis. <i>Human Reproduction</i> , <b>2015</b> , 30, 987-93	5.7	21
43	Back to the Original Question in Endometriosis: Implantation or Metaplasia?. <i>Journal of Endometriosis</i> , <b>2009</b> , 1, 1-8		21
42	Dissecting the Pre-Columbian Genomic Ancestry of Native Americans along the Andes-Amazonia Divide. <i>Molecular Biology and Evolution</i> , <b>2019</b> , 36, 1254-1269	8.3	20
41	Deregulated human glioma cell motility: inhibitory effect of somatostatin. <i>Molecular and Cellular Endocrinology</i> , <b>2006</b> , 256, 34-9	4.4	19
40	Synergistic activity of everolimus and 5-aza-2Rdeoxycytidine in medullary thyroid carcinoma cell lines. <i>Molecular Oncology</i> , <b>2017</b> , 11, 1007-1022	7.9	18
39	Molecular Aging of Human Liver: An Epigenetic/Transcriptomic Signature. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , <b>2019</b> , 74, 1-8	6.4	17
38	A Pan-Cancer Approach to Predict Responsiveness to Immune Checkpoint Inhibitors by Machine Learning. <i>Cancers</i> , <b>2019</b> , 11,	6.6	16
37	Heterogeneity of Thyroid Function and Impact of Peripheral Thyroxine Deiodination in Centenarians and Semi-Supercentenarians: Association With Functional Status and Mortality. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , <b>2019</b> , 74, 802-810	6.4	14
36	Plasminogen activator inhibitor-1 4G/5G polymorphism and susceptibility to endometriosis in the Italian population. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , <b>2009</b> , 146, 219-224	4	13
35	Impact of demography and population dynamics on the genetic architecture of human longevity. <i>Aging</i> , <b>2018</b> , 10, 1947-1963	5.6	13
34	Responders and non-responders to influenza vaccination: A DNA methylation approach on blood cells. <i>Experimental Gerontology</i> , <b>2018</b> , 105, 94-100	4.5	12
33	GENETICS IN ENDOCRINOLOGY: Genetic diagnosis of endocrine diseases by NGS: novel scenarios and unpredictable results and risks. <i>European Journal of Endocrinology</i> , <b>2018</b> , 179, R111-R123	6.5	12
32	Gene expression profiling in human corticotroph tumours reveals distinct, neuroendocrine profiles. <i>Journal of Neuroendocrinology</i> , <b>2018</b> , 30, e12628	3.8	12
31	Immunomodulatory effects of VEGF: Clinical implications of VEGF-targeted therapy in human cancer. <i>Cancer Biology and Therapy</i> , <b>2010</b> , 9, 694-8	4.6	10
30	Progesterone receptor +331G/A polymorphism in endometriosis and deep-infiltrating endometriosis. <i>Fertility and Sterility</i> , <b>2008</b> , 90, 1243-5	4.8	10
29	Integrated DNA methylation analysis identifies topographical and tumoral biomarkers in pilocytic astrocytomas. <i>Oncotarget</i> , <b>2018</b> , 9, 13807-13821	3.3	9
28	Methylation alteration of as a predictive, diagnostic and prognostic biomarker for chronic lymphocytic leukemia. <i>Oncotarget</i> , <b>2019</b> , 10, 4987-5002	3.3	8

27	PON1 is a disease modifier gene in amyotrophic lateral sclerosis: association of the Q192R polymorphism with bulbar onset and reduced survival. <i>Neurological Sciences</i> , <b>2019</b> , 40, 1469-1473	3.5	8
26	The genomic landscape of Nepalese Tibeto-Burmans reveals new insights into the recent peopling of Southern Himalayas. <i>Scientific Reports</i> , <b>2017</b> , 7, 15512	4.9	8
25	Interferon-inducible genes, TNF-related apoptosis-inducing ligand (TRAIL) and interferon inducible protein 27 (IFI27) are negatively regulated in leiomyomas: implications for a role of the interferon pathway in leiomyoma development. <i>Gynecological Endocrinology</i> , <b>2012</b> , 28, 216-9	2.4	8
24	Early-life factors, in-utero exposures and endometriosis risk: a meta-analysis. <i>Reproductive BioMedicine Online</i> , <b>2020</b> , 41, 279-289	4	8
23	Cadherin 2-Related Arrhythmogenic Cardiomyopathy: Prevalence and Clinical Features. <i>Circulation Genomic and Precision Medicine</i> , <b>2021</b> , 14, e003097	5.2	8
22	Investigating the Causal Effect of Brain Expression of , , , Genes on Multiple Sclerosis: A Two-Sample Mendelian Randomization Approach. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2020</b> , 8, 397	5.8	7
21	Characterization of the biological processes shaping the genetic structure of the Italian population. <i>BMC Genetics</i> , <b>2015</b> , 16, 132	2.6	7
20	A rare familial case of endometriosis with very severe gynecological and obstetric complications: novel genetic variants at a glance. <i>Gynecologic and Obstetric Investigation</i> , <b>2014</b> , 77, 201-4	2.5	7
19	Acid sensing ion channel 2: A new potential player in the pathophysiology of multiple sclerosis. <i>European Journal of Neuroscience</i> , <b>2019</b> , 49, 1233-1243	3.5	7
18	Antiphospholipid Antibodies and Infertility: A Gene Expression Study in Decidual Stromal Cells. <i>Israel Medical Association Journal</i> , <b>2016</b> , 18, 146-9	0.9	7
17	Soluble EMMPRIN levels discriminate aortic ectasia in Marfan syndrome patients. <i>Theranostics</i> , <b>2019</b> , 9, 2224-2234	12.1	6
16	Investigating multiple sclerosis genetic susceptibility on the founder population of east-central Sardinia via association and linkage analysis of immune-related loci. <i>Multiple Sclerosis Journal</i> , <b>2018</b> , 24, 1815-1824	5	6
15	Endometrial stromal progesterone receptor-A/progesterone receptor-B ratio: no difference between women with and without endometriosis. <i>Fertility and Sterility</i> , <b>2010</b> , 94, 1538-1540	4.8	6
14	NGS analysis in Marfan syndrome spectrum: Combination of rare and common genetic variants to improve genotype-phenotype correlation analysis. <i>PLoS ONE</i> , <b>2019</b> , 14, e0222506	3.7	5
13	Epigenome Wide Association and Stochastic Epigenetic Mutation Analysis on Cord Blood of Preterm Birth. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	4
12	Genetic history of Calabrian Greeks reveals ancient events and long term isolation in the Aspromonte area of Southern Italy. <i>Scientific Reports</i> , <b>2021</b> , 11, 3045	4.9	4
11	Peculiar Aspects of Endometriosis in Adolescents. <i>Journal of Endometriosis</i> , <b>2010</b> , 2, 19-25		3
10	No association between frailty index and epigenetic clocks in Italian semi-supercentenarians. <i>Mechanisms of Ageing and Development</i> , <b>2021</b> , 197, 111514	5.6	3

9	Genomic adaptations to cereal-based diets contribute to mitigate metabolic risk in some human populations of East Asian ancestry. <i>Evolutionary Applications</i> , <b>2021</b> , 14, 297-313	4.8	3
8	Effects of human recombinant type I IFNs (IFN- $\alpha$ b and IFN- $\alpha$ a) on growth and migration of primary endometrial stromal cells from women with deeply infiltrating endometriosis: A preliminary study. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , <b>2018</b> , 230, 192-198	2.4	3
7	The genetic legacy of the Yaghnobis: A witness of an ancient Eurasian ancestry in the historically reshuffled central Asian gene pool. <i>American Journal of Physical Anthropology</i> , <b>2019</b> , 168, 717-728	2.5	2
6	Pyk2 and Cyr61 at the cross-road of cAMP-dependent signalling in invasiveness and neuroendocrine differentiation of prostate cancer. <i>Cancer Biology and Therapy</i> , <b>2009</b> , 8, 243-4	4.6	2
5	A New Epigenetic Model to Stratify Glioma Patients According to Their Immunosuppressive State. <i>Cells</i> , <b>2021</b> , 10,	7.9	2
4	Homozygosity Haplotype and Whole-Exome Sequencing Analysis to Identify Potentially Functional Rare Variants Involved in Multiple Sclerosis among Sardinian Families. <i>Current Issues in Molecular Biology</i> , <b>2021</b> , 43, 1778-1793	2.9	1
3	Hormonal therapy potentiates the effect of surgery on gene expression profile of peripheral blood mononuclear cells in patients affected by endometriosis. <i>Minerva Endocrinology</i> , <b>2021</b> , 46, 90-98	2.5	1
2	Genome-Wide DNA Methylation Analysis of a Cohort of 41 Patients Affected by Oculo-Auriculo-Vertebral Spectrum (OAVS). <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	1
1	Phenotypic Overlap of Roberts and Baller-Gerold Syndromes in Two Patients With Craniosynostosis, Limb Reductions, and Mutations. <i>Frontiers in Pediatrics</i> , <b>2019</b> , 7, 210	3.4	