

Uberto Pozzoli

List of Publications by Citations

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

125 papers	4,247 citations	34 h-index	60 g-index
130 ext. papers	5,111 ext. citations	6.3 avg, IF	5.53 L-index

#	Paper	IF	Citations
125	Molecular Evolution of Human Coronavirus Genomes. <i>Trends in Microbiology</i> , 2017 , 25, 35-48	12.4	405
124	Signatures of environmental genetic adaptation pinpoint pathogens as the main selective pressure through human evolution. <i>PLoS Genetics</i> , 2011 , 7, e1002355	6	349
123	Parasites represent a major selective force for interleukin genes and shape the genetic predisposition to autoimmune conditions. <i>Journal of Experimental Medicine</i> , 2009 , 206, 1395-408	16.6	189
122	Influence of the serotonin transporter promoter gene and shyness on children's cerebral responses to facial expressions. <i>Archives of General Psychiatry</i> , 2005 , 62, 85-94		144
121	Evolutionary insights into host-pathogen interactions from mammalian sequence data. <i>Nature Reviews Genetics</i> , 2015 , 16, 224-36	30.1	139
120	Face-selective processing and the effect of pleasant and unpleasant emotional expressions on ERP correlates. <i>International Journal of Psychophysiology</i> , 2003 , 49, 67-74	2.9	134
119	Widespread balancing selection and pathogen-driven selection at blood group antigen genes. <i>Genome Research</i> , 2009 , 19, 199-212	9.7	122
118	Arousal effect on emotional face comprehension: frequency band changes in different time intervals. <i>Physiology and Behavior</i> , 2009 , 97, 455-62	3.5	104
117	Silencer elements as possible inhibitors of pseudoexon splicing. <i>Nucleic Acids Research</i> , 2004 , 32, 1783-91	10.1	102
116	Computational Inference of Selection Underlying the Evolution of the Novel Coronavirus, Severe Acute Respiratory Syndrome Coronavirus 2. <i>Journal of Virology</i> , 2020 , 94,	6.6	89
115	A common polymorphism in TLR3 confers natural resistance to HIV-1 infection. <i>Journal of Immunology</i> , 2012 , 188, 818-23	5.3	87
114	Response to Wilson et al.. <i>American Journal of Human Genetics</i> , 2010 , 86, 493-495	11	78
113	A clinical, genetic, and biochemical characterization of SPG7 mutations in a large cohort of patients with hereditary spastic paraplegia. <i>Human Mutation</i> , 2008 , 29, 522-31	4.7	74
112	Genetic diversity at endoplasmic reticulum aminopeptidases is maintained by balancing selection and is associated with natural resistance to HIV-1 infection. <i>Human Molecular Genetics</i> , 2010 , 19, 4705-14	5.6	67
111	Analysis of intronic conserved elements indicates that functional complexity might represent a major source of negative selection on non-coding sequences. <i>Human Molecular Genetics</i> , 2005 , 14, 2533-46	5.6	63
110	Pain-related stress during the Neonatal Intensive Care Unit stay and SLC6A4 methylation in very preterm infants. <i>Frontiers in Behavioral Neuroscience</i> , 2015 , 9, 99	3.5	54
109	The signature of long-standing balancing selection at the human defensin beta-1 promoter. <i>Genome Biology</i> , 2008 , 9, R143	18.3	53

108	Serotonin Transporter Gene (SLC6A4) Methylation Associates With Neonatal Intensive Care Unit Stay and 3-Month-Old Temperament in Preterm Infants. <i>Child Development</i> , 2016 , 87, 38-48	4.9	53
107	Genome-wide identification of susceptibility alleles for viral infections through a population genetics approach. <i>PLoS Genetics</i> , 2010 , 6, e1000849	6	50
106	Silencers regulate both constitutive and alternative splicing events in mammals. <i>Cellular and Molecular Life Sciences</i> , 2005 , 62, 1579-604	10.3	50
105	Extensive Positive Selection Drives the Evolution of Nonstructural Proteins in Lineage C Betacoronaviruses. <i>Journal of Virology</i> , 2016 , 90, 3627-39	6.6	47
104	The landscape of human genes involved in the immune response to parasitic worms. <i>BMC Evolutionary Biology</i> , 2010 , 10, 264	3	46
103	Event-related oscillations (EROs) and event-related potentials (ERPs) comparison in facial expression recognition. <i>Journal of Neuropsychology</i> , 2007 , 1, 283-94	2.6	46
102	Comprehending semantic and grammatical violations in Italian. N400 and P600 comparison with visual and auditory stimuli. <i>Journal of Psycholinguistic Research</i> , 2005 , 34, 71-98	1	45
101	Wide and diffuse perceptual modes characterize dyslexics in vision and audition. <i>Perception</i> , 2008 , 37, 1745-64	1.2	44
100	Skeletal muscle gene expression profiling in mitochondrial disorders. <i>FASEB Journal</i> , 2005 , 19, 866-8	0.9	44
99	Long-term balancing selection maintains trans-specific polymorphisms in the human TRIM5 gene. <i>Human Genetics</i> , 2010 , 128, 577-88	6.3	42
98	A functional variant in ERAP1 predisposes to multiple sclerosis. <i>PLoS ONE</i> , 2012 , 7, e29931	3.7	41
97	The heptad repeat region is a major selection target in MERS-CoV and related coronaviruses. <i>Scientific Reports</i> , 2015 , 5, 14480	4.9	40
96	Population genetics of IFIH1: ancient population structure, local selection, and implications for susceptibility to type 1 diabetes. <i>Molecular Biology and Evolution</i> , 2010 , 27, 2555-66	8.3	40
95	Both selective and neutral processes drive GC content evolution in the human genome. <i>BMC Evolutionary Biology</i> , 2008 , 8, 99	3	39
94	From early stress to 12-month development in very preterm infants: Preliminary findings on epigenetic mechanisms and brain growth. <i>PLoS ONE</i> , 2018 , 13, e0190602	3.7	39
93	The evolutionary history of genes involved in spoken and written language: beyond FOXP2. <i>Scientific Reports</i> , 2016 , 6, 22157	4.9	39
92	RNA motifs: prediction of multivalent RNA motifs that control alternative splicing. <i>Genome Biology</i> , 2014 , 15, R20	18.3	34
91	Event-related oscillations (ERO) and event-related potentials (ERP) in emotional face recognition. <i>International Journal of Neuroscience</i> , 2008 , 118, 1412-24	2	33

90	Intron size in mammals: complexity comes to terms with economy. <i>Trends in Genetics</i> , 2007 , 23, 20-4	8.5	32
89	Diverse functions of myosin VI elucidated by an isoform-specific Helix domain. <i>Nature Structural and Molecular Biology</i> , 2016 , 23, 300-308	17.6	31
88	An evolutionary analysis of antigen processing and presentation across different timescales reveals pervasive selection. <i>PLoS Genetics</i> , 2014 , 10, e1004189	6	31
87	SLC6A4 promoter region methylation and socio-emotional stress response in very preterm and full-term infants. <i>Epigenomics</i> , 2016 , 8, 895-907	4.4	30
86	Diverse evolutionary histories for beta-adrenoreceptor genes in humans. <i>American Journal of Human Genetics</i> , 2009 , 85, 64-75	11	30
85	The dystrophin gene is alternatively spliced throughout its coding sequence. <i>FEBS Letters</i> , 2002 , 517, 163-6	3.8	30
84	The role of protozoa-driven selection in shaping human genetic variability. <i>Trends in Genetics</i> , 2010 , 26, 95-9	8.5	29
83	OASes and STING: adaptive evolution in concert. <i>Genome Biology and Evolution</i> , 2015 , 7, 1016-32	3.9	27
82	Gene function and expression level influence the insertion/fixation dynamics of distinct transposon families in mammalian introns. <i>Genome Biology</i> , 2006 , 7, R120	18.3	27
81	A 175 million year history of T cell regulatory molecules reveals widespread selection, with adaptive evolution of disease alleles. <i>Immunity</i> , 2013 , 38, 1129-41	32.3	26
80	The 129 codon polymorphism of the prion protein gene influences earlier cognitive performance in Down syndrome subjects. <i>Journal of Neurology</i> , 2003 , 250, 688-92	5.5	26
79	Evolution of the rapidly mutating human salivary agglutinin gene (DMBT1) and population subsistence strategy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 5105-10	11.5	25
78	Fixation of conserved sequences shapes human intron size and influences transposon-insertion dynamics. <i>Trends in Genetics</i> , 2005 , 21, 484-8	8.5	24
77	RIG-I-like receptors evolved adaptively in mammals, with parallel evolution at LGP2 and RIG-I. <i>Journal of Molecular Biology</i> , 2014 , 426, 1351-65	6.5	23
76	Sequence learning in cerebral palsy. <i>Pediatric Neurology</i> , 2011 , 44, 207-13	2.9	23
75	Morphed facial expressions elicited a N400 ERP effect: a domain-specific semantic module?. <i>Scandinavian Journal of Psychology</i> , 2005 , 46, 467-74	2.2	23
74	Genetic adaptation of the human circadian clock to day-length latitudinal variations and relevance for affective disorders. <i>Genome Biology</i> , 2014 , 15, 499	18.3	22
73	Ancient and recent selective pressures shaped genetic diversity at AIM2-like nucleic acid sensors. <i>Genome Biology and Evolution</i> , 2014 , 6, 830-45	3.9	22

72	Relevance of sequence and structure elements for deletion events in the dystrophin gene major hot-spot. <i>Human Genetics</i> , 2003 , 112, 272-88	6.3	22
71	Balancing selection is common in the extended MHC region but most alleles with opposite risk profile for autoimmune diseases are neutrally evolving. <i>BMC Evolutionary Biology</i> , 2011 , 11, 171	3	21
70	Analysis of splicing parameters in the dystrophin gene: relevance for physiological and pathogenetic splicing mechanisms. <i>Human Genetics</i> , 2001 , 109, 73-84	6.3	21
69	Maternal Sensitivity Buffers the Association between SLC6A4 Methylation and Socio-Emotional Stress Response in 3-Month-Old Full Term, but not very Preterm Infants. <i>Frontiers in Psychiatry</i> , 2017 , 8, 171	5	20
68	GeCo++: a C++ library for genomic features computation and annotation in the presence of variants. <i>Bioinformatics</i> , 2011 , 27, 1313-5	7.2	20
67	Crohn's disease loci are common targets of protozoa-driven selection. <i>Molecular Biology and Evolution</i> , 2013 , 30, 1077-87	8.3	19
66	ABO histo-blood group might modulate predisposition to Crohn's disease and affect disease behavior. <i>Journal of Crohn's and Colitis</i> , 2014 , 8, 489-94	1.5	19
65	A trans-specific polymorphism in ZC3HAV1 is maintained by long-standing balancing selection and may confer susceptibility to multiple sclerosis. <i>Molecular Biology and Evolution</i> , 2012 , 29, 1599-613	8.3	19
64	Evolutionary analysis identifies an MX2 haplotype associated with natural resistance to HIV-1 infection. <i>Molecular Biology and Evolution</i> , 2014 , 31, 2402-14	8.3	18
63	Endoplasmic reticulum aminopeptidase 2 haplotypes play a role in modulating susceptibility to HIV infection. <i>Aids</i> , 2013 , 27, 1697-706	3.5	18
62	A positively selected APOBEC3H haplotype is associated with natural resistance to HIV-1 infection. <i>Evolution; International Journal of Organic Evolution</i> , 2011 , 65, 3311-22	3.8	18
61	Arenavirus genomics: novel insights into viral diversity, origin, and evolution. <i>Current Opinion in Virology</i> , 2019 , 34, 18-28	7.5	18
60	Identification of a new susceptibility variant for multiple sclerosis in OAS1 by population genetics analysis. <i>Human Genetics</i> , 2012 , 131, 87-97	6.3	17
59	Pediatric biobanking: a pilot qualitative survey of practices, rules, and researcher opinions in ten European countries. <i>Biopreservation and Biobanking</i> , 2012 , 10, 29-36	2.1	17
58	Evolutionary analysis of the contact system indicates that kininogen evolved adaptively in mammals and in human populations. <i>Molecular Biology and Evolution</i> , 2013 , 30, 1397-408	8.3	16
57	A population genetics study of the familial Mediterranean fever gene: evidence of balancing selection under an overdominance regime. <i>Genes and Immunity</i> , 2009 , 10, 678-86	4.4	16
56	REST, a master regulator of neurogenesis, evolved under strong positive selection in humans and in non human primates. <i>Scientific Reports</i> , 2017 , 7, 9530	4.9	15
55	ERPs (event-related potentials), semantic attribution, and facial expression of emotions. <i>Consciousness & Emotion</i> , 2003 , 4, 63-80		15

54	Trans-acting factors may cause dystrophin splicing misregulation in BMD skeletal muscles. <i>FEBS Letters</i> , 2003 , 537, 30-4	3.8	15
53	Comparative analysis of vertebrate dystrophin loci indicate intron gigantism as a common feature. <i>Genome Research</i> , 2003 , 13, 764-72	9.7	15
52	Ancient Evolution of Mammarenaviruses: Adaptation via Changes in the L Protein and No Evidence for Host-Virus Codivergence. <i>Genome Biology and Evolution</i> , 2018 , 10, 863-874	3.9	14
51	Mammalian NPC1 genes may undergo positive selection and human polymorphisms associate with type 2 diabetes. <i>BMC Medicine</i> , 2012 , 10, 140	11.4	14
50	Effect of the catechol-O-methyltransferase val(158)met genotype on children's early phases of facial stimuli processing. <i>Genes, Brain and Behavior</i> , 2007 , 6, 364-74	3.6	14
49	A region in the dystrophin gene major hot spot harbors a cluster of deletion breakpoints and generates double-strand breaks in yeast. <i>FASEB Journal</i> , 2006 , 20, 1910-2	0.9	14
48	N400 and P600 or the role of the ERP correlates in sentence comprehension: some applications to the Italian language. <i>Journal of General Psychology</i> , 2004 , 131, 268-302	1	14
47	A common genetic variant in FOXP2 is associated with language-based learning (dis)abilities: Evidence from two Italian independent samples. <i>American Journal of Medical Genetics Part B: Neuropsychiatric Genetics</i> , 2017 , 174, 578-586	3.5	13
46	Positive Selection Drives Evolution at the Host-Filovirus Interaction Surface. <i>Molecular Biology and Evolution</i> , 2016 , 33, 2836-2847	8.3	13
45	Electrophysiological analysis of cognitive slowing in subjects with mitochondrial encephalomyopathy. <i>Journal of the Neurological Sciences</i> , 2002 , 194, 3-9	3.2	13
44	Comparative analysis of the human dystrophin and utrophin gene structures. <i>Genetics</i> , 2002 , 160, 793-84	4	13
43	Key role of SMN/SYNERP and RNA-Motif 7 in spinal muscular atrophy: RNA-Seq and motif analysis of human motor neurons. <i>Brain</i> , 2019 , 142, 276-294	11.2	13
42	Polymorphisms in the CPB2 gene are maintained by balancing selection and result in haplotype-preferential splicing of exon 7. <i>Molecular Biology and Evolution</i> , 2010 , 27, 1945-54	8.3	12
41	Over-representation of exonic splicing enhancers in human intronless genes suggests multiple functions in mRNA processing. <i>Biochemical and Biophysical Research Communications</i> , 2004 , 322, 470-6	3.4	12
40	Pain exposure associates with telomere length erosion in very preterm infants. <i>Psychoneuroendocrinology</i> , 2018 , 89, 113-119	5	11
39	Positive selection underlies the species-specific binding of Plasmodium falciparum RH5 to human basigin. <i>Molecular Ecology</i> , 2015 , 24, 4711-22	5.7	11
38	Natural Selection at the Brush-Border: Adaptations to Carbohydrate Diets in Humans and Other Mammals. <i>Genome Biology and Evolution</i> , 2015 , 7, 2569-84	3.9	10
37	Recent Out-of-Africa Migration of Human Herpes Simplex Viruses. <i>Molecular Biology and Evolution</i> , 2020 , 37, 1259-1271	8.3	10

36	The mammalian complement system as an epitome of host-pathogen genetic conflicts. <i>Molecular Ecology</i> , 2016 , 25, 1324-39	5.7	10
35	Susceptibility to type 2 diabetes may be modulated by haplotypes in G6PC2, a target of positive selection. <i>BMC Evolutionary Biology</i> , 2017 , 17, 43	3	9
34	Past and ongoing adaptation of human cytomegalovirus to its host. <i>PLoS Pathogens</i> , 2020 , 16, e1008476	7.6	9
33	A regulatory polymorphism in HAVCR2 modulates susceptibility to HIV-1 infection. <i>PLoS ONE</i> , 2014 , 9, e106442	3.7	9
32	Variants in SNAP25 are targets of natural selection and influence verbal performances in women. <i>Cellular and Molecular Life Sciences</i> , 2012 , 69, 1705-15	10.3	9
31	Evolutionary Analysis Provides Insight Into the Origin and Adaptation of HCV. <i>Frontiers in Microbiology</i> , 2018 , 9, 854	5.7	8
30	Albuminoid genes: evolving at the interface of dispensability and selection. <i>Genome Biology and Evolution</i> , 2014 , 6, 2983-97	3.9	8
29	A complex selection signature at the human AVPR1B gene. <i>BMC Evolutionary Biology</i> , 2009 , 9, 123	3	8
28	Evolution of ocular clinical and electrophysiological findings in pediatric Bardet-Biedl syndrome. <i>International Ophthalmology</i> , 1999 , 23, 61-7	2.2	8
27	Recombination and Positive Selection Differentially Shaped the Diversity of Subgenera. <i>Viruses</i> , 2020 , 12,	6.2	8
26	Diverse selective regimes shape genetic diversity at ADAR genes and at their coding targets. <i>RNA Biology</i> , 2015 , 12, 149-61	4.8	7
25	Distinct selective forces and Neanderthal introgression shaped genetic diversity at genes involved in neurodevelopmental disorders. <i>Scientific Reports</i> , 2017 , 7, 6116	4.9	7
24	Evolutionary analysis of Old World arenaviruses reveals a major adaptive contribution of the viral polymerase. <i>Molecular Ecology</i> , 2017 , 26, 5173-5188	5.7	7
23	Possible European Origin of Circulating Varicella Zoster Virus Strains. <i>Journal of Infectious Diseases</i> , 2020 , 221, 1286-1294	7	6
22	Intrinsically disordered regions are abundant in simplexvirus proteomes and display signatures of positive selection. <i>Virus Evolution</i> , 2020 , 6, veaa028	3.7	6
21	Long-standing balancing selection in the THBS4 gene: influence on sex-specific brain expression and gray matter volumes in Alzheimer disease. <i>Human Mutation</i> , 2013 , 34, 743-53	4.7	6
20	Genetic variability in the ACE gene region surrounding the Alu I/D polymorphism is maintained by balancing selection in human populations. <i>Pharmacogenetics and Genomics</i> , 2010 , 20, 131-4	1.9	6
19	Evolutionary rates of mammalian telomere-stability genes correlate with karyotype features and female germline expression. <i>Nucleic Acids Research</i> , 2018 , 46, 7153-7168	20.1	5

18	Encoding of Emotional Facial Expressions in Direct and Incidental Tasks: An Event-Related Potentials N200 Effect. <i>Journal of Neurotherapy</i> , 2012 , 16, 92-109		5
17	Mode and tempo of human hepatitis virus evolution. <i>Computational and Structural Biotechnology Journal</i> , 2019 , 17, 1384-1395	6.8	5
16	Population structure of Lassa Mammarenavirus in West Africa. <i>Viruses</i> , 2020 , 12,	6.2	4
15	An evolutionary history of the selectin gene cluster in humans. <i>Heredity</i> , 2012 , 109, 117-26	3.6	4
14	Kinetochore proteins and microtubule-destabilizing factors are fast evolving in eutherian mammals. <i>Molecular Ecology</i> , 2021 , 30, 1505-1515	5.7	4
13	Hemodynamic and behavioral peculiarities in response to emotional stimuli in children with attention deficit hyperactivity disorder: An fNIRS study. <i>Journal of Affective Disorders</i> , 2020 , 277, 671-680	6.6	3
12	You Will Never Walk Alone: Codispersal of JC Polyomavirus with Human Populations. <i>Molecular Biology and Evolution</i> , 2020 , 37, 442-454	8.3	3
11	Analysis of Reptarenavirus genomes indicates different selective forces acting on the S and L segments and recent expansion of common genotypes. <i>Infection, Genetics and Evolution</i> , 2018 , 64, 212-218	4.5	3
10	Evolution and Genetic Diversity of Primate Cytomegaloviruses. <i>Microorganisms</i> , 2020 , 8,	4.9	2
9	A set of tools for building PostgreSQL distributed databases in biomedical environment		2
8	Adaptation of the endemic coronaviruses HCoV-OC43 and HCoV-229E to the human host. <i>Virus Evolution</i> , 2021 , 7, veab061	3.7	2
7	Multiple Selected Changes May Modulate the Molecular Interaction between RH5 and Primate Basigin. <i>MBio</i> , 2018 , 9,	7.8	2
6	Dating the Emergence of Human Endemic Coronaviruses. <i>Viruses</i> , 2022 , 14, 1095	6.2	2
5	Evolutionary analysis of exogenous and integrated HHV-6A/HHV-6B populations. <i>Virus Evolution</i> , 2020 , 6, veaa035	3.7	1
4	A complex evolutionary relationship between HHV-6A and HHV-6B. <i>Virus Evolution</i> , 2019 , 5, vez043	3.7	1
3	Genetic conflicts with Plasmodium parasites and functional constraints shape the evolution of erythrocyte cytoskeletal proteins. <i>Scientific Reports</i> , 2018 , 8, 14682	4.9	1
2	Evolutionary history of type II transmembrane serine proteases involved in viral priming.. <i>Human Genetics</i> , 2022 , 1	6.3	0
1	Retraction to: A complex evolutionary relationship between HHV-6A and HHV-6B. <i>Virus Evolution</i> , 2019 , 5, vez054	3.7	

