Emanuela V Volpi

List of Publications by Year
in descending order

50 papers	1,819 citations	304602 22 h-index	276775 41 g-index
53 all docs	53 docs citations	53 times ranked	3701 citing authors

#	Article	IF	Citations
1	Whole genome analysis of a schistosomiasis-transmitting freshwater snail. Nature Communications, 2017, 8, 15451.	5.8	216
2	FISH glossary: an overview of the fluorescence in situ hybridization technique. BioTechniques, 2008, 45, 385-409.	0.8	148
3	An interstitial deletion-insertion involving chromosomes 2p25.3 and Xq27.1, near SOX3, causes X-linked recessive hypoparathyroidism. Journal of Clinical Investigation, 2005, 115, 2822-2831.	3.9	135
4	Endothelial Nox2 Overexpression Potentiates Vascular Oxidative Stress and Hemodynamic Response to Angiotensin II. Circulation Research, 2007, 100, 1016-1025.	2.0	134
5	Structures of Lysenin Reveal a Shared Evolutionary Origin for Pore-Forming Proteins And Its Mode of Sphingomyelin Recognition. Structure, 2012, 20, 1498-1507.	1.6	90
6	In vivo modeling of human neuron dynamics and Down syndrome. Science, 2018, 362, .	6.0	87
7	Integrated view of genome structure and sequence of a single DNA molecule in a nanofluidic device. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 4893-4898.	3.3	86
8	Detailed Phenotypic and Genotypic Characterization of Bietti Crystalline Dystrophy. Ophthalmology, 2014, 121, 1174-1184.	2.5	79
9	Copy number variation and association analysis of SHANK3 as a candidate gene for autism in the IMGSAC collection. European Journal of Human Genetics, 2009, 17, 1347-1353.	1.4	76
10	The Leukocyte Receptor Complex in Chicken Is Characterized by Massive Expansion and Diversification of Immunoglobulin-Like Loci. PLoS Genetics, 2006, 2, e73.	1.5	70
11	Expression Profiling in Progressive Stages of Fumarate-Hydratase Deficiency: The Contribution of Metabolic Changes to Tumorigenesis. Cancer Research, 2010, 70, 9153-9165.	0.4	63
12	Patient-specific Alzheimer-like pathology in trisomy 21 cerebral organoids reveals BACE2 as a gene dose-sensitive AD suppressor in human brain. Molecular Psychiatry, 2021, 26, 5766-5788.	4.1	63
13	Comprehensive cytogenomic profile of the in vitro neuronal model SH-SY5Y. Neurogenetics, 2013, 14, 63-70.	0.7	47
14	An Improved Technique for Chromosomal Analysis of Human ES and iPS Cells. Stem Cell Reviews and Reports, 2011, 7, 471-477.	5.6	42
15	A family with autism and rare copy number variants disrupting the Duchenne/Becker muscular dystrophy gene DMD and TRPM3. Journal of Neurodevelopmental Disorders, 2011, 3, 124-131.	1.5	35
16	Perforin activity at membranes leads to invaginations and vesicle formation. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 21016-21021.	3.3	35
17	De novoand rare inherited mutations implicate the transcriptional coregulator TCF20/SPBP in autism spectrum disorder. Journal of Medical Genetics, 2014, 51, 737-747.	1.5	31
18	DNA damage in obesity: Initiator, promoter and predictor of cancer. Mutation Research - Reviews in Mutation Research, 2018, 778, 23-37.	2.4	29

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19	A Novel Three-Dimensional Culture System Allows Prolonged Culture of Functional Human Granulosa Cells and Mimics the Ovarian Environment. Tissue Engineering - Part A, 2010, 16, 2063-2073.	1.6	25
20	Language impairment in a case of a complex chromosomal rearrangement with a breakpoint downstream of FOXP2. Molecular Cytogenetics, 2015, 8, 36.	0.4	25
21	Altered Intra-Nuclear Organisation of Heterochromatin and Genes in ICF Syndrome. PLoS ONE, 2010, 5, e11364.	1.1	25
22	Severe Insulin Resistance and Intrauterine Growth Deficiency Associated With Haploinsufficiency forINSRandCHN2. Diabetes, 2009, 58, 2954-2961.	0.3	23
23	Functional human artificial chromosomes are generated and stably maintained in human embryonic stem cells. Human Molecular Genetics, 2011, 20, 2905-2913.	1.4	23
24	An Integrated Physical and Genetic Map Spanning Chromosome Band 10q24. Genomics, 1997, 43, 85-88.	1.3	22
25	Mapping of partially overlapping de novo deletions across an autism susceptibility region (AUTS5) in two unrelated individuals affected by developmental delays with communication impairment. American Journal of Medical Genetics, Part A, 2009, 149A, 588-597.	0.7	21
26	PCDH11 is X/Y homologous in Homo sapiens but not in Gorilla gorilla and Pan troglodytes. Cytogenetic and Genome Research, 2006, 114, 137-139.	0.6	19
27	Fluorescence in situ Hybridization (FISH). Methods in Molecular Biology, 2010, , .	0.4	15
28	Cohesion, but not too close. Current Biology, 2001, 11, R378.	1.8	14
29	Fully Streched Single DNA Molecules in a Nanofluidic Chip Show Large-Scale Structural Variation. Biophysical Journal, 2013, 104, 175a.	0.2	14
30	Characterization of a Dominant Cone Degeneration in a Green Fluorescent Proteinâ€“Reporter Mouse with Disruption of Loci Associated with Human Dominant Retinal Dystrophy. , 2011, 52, 6617.		13
31	More detailed characterization of some of the HL60 karyotypic features by fluorescence in situ hybridization. Cancer Genetics and Cytogenetics, 1996, 87, 103-106.	1.0	12
32	High-resolution fish on DNA fibers for low-copy repeats genome architecture studies. Genomics, 2012, 100, 380-386.	1.3	11
33	Fluorescence in situ Hybridization (FISH) for Genomic Investigations in Rat. Methods in Molecular Biology, 2010, 659, 409-426.	0.4	9
34	Cytogenetic and molecular studies on the neuroblastoma cell line NGP: Identification of a reciprocal t(l;l5) involving the â€œconsensus regionâ€•lp36. I. Genes Chromosomes and Cancer, 1995, 13, 66-71.	1.5	8
35	Numerical Abnormalities of Chromosomes 1 and 10 in Endometrial Adenocarcinoma. Cancer Genetics and Cytogenetics, 1998, 107, 37-42.	1.0	8
36	Replication profile of PCDH11X and PCDH11Y, a gene pair located in the non-pseudoautosomal homologous region Xq21.3/Yp11.2. Chromosome Research, 2007, 15, 485-498.	1.0	8

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37	HAC stability in murine cells is influenced by nuclear localization and chromatin organization. BMC Cell Biology, 2009, 10, 18.	3.0	8
38	Obesity, oxidative DNA damage and vitamin D as predictors of genomic instability in children and adolescents. International Journal of Obesity, 2021, 45, 2095-2107.	1.6	8
39	Combining M-FISH and Quantum Dot technology for fast chromosomal assignment of transgenic insertions. BMC Biotechnology, 2011, 11, 121.	1.7	7
40	Taxonomic and biogeographic analysis of the Proasellus coxalis-group (crustacea, isopoda, asellidae) in Sicily, with description of Proasellus montalentii n. sp.. Hydrobiologia, 1996, 317, 247-258.	1.0	6
41	Detailed Physical Analysis of a 1.5-Megabase YAC Contig Containing the MXI1 and ADRA2A Genes. Genomics, 1997, 45, 407-411.	1.3	5
42	Comparative study of artificial chromosome centromeres in human and murine cells. European Journal of Human Genetics, 2013, 21, 948-956.	1.4	3
43	Search for neuroblastoma loci: characterization of tumor cell lines that could facilitate their positional cloning. Journal of Neuro-Oncology, 1997, 31, 41-47.	1.4	2
44	Expression patterns of CD180 in the lymph nodes of patients with chronic lymphocytic leukaemia. British Journal of Haematology, 2021, 195, e131-e134.	1.2	2
45	Formamide-Free Fluorescence In Situ Hybridization (FISH). Springer Protocols, 2017, , 135-139.	0.1	2
46	Nanofluidics to Enhance Single Molecule DNA Imaging: Detecting Genomic Structural Variation in Humans. Biophysical Journal, 2014, 106, 395a.	0.2	0
47	Author reply. Ophthalmology, 2015, 122, e22.	2.5	0
48	The leukocyte receptor complex in chicken is characterized by massive expansion and diversification of immunoglobulin-like loci. PLoS Genetics, 2005, preprint, e73.	1.5	0
49	Chromosomes and Nuclear Organization in ICF Syndrome. , 2013, , 107-121.		0
50	Genome instability in childhood obesity : A conceptual framework for an assessment, intervention and monitoring programme of inflammation and DNA damage in paediatric obesity. International Journal of Food, Nutrition and Public Health, 2017, 9, 1-12.	0.1	0