Ants Kurg

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2791801/publications.pdf

Version: 2024-02-01

		172386	118793
64	4,444	29	62
papers	citations	h-index	g-index

67	67	67	7184
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A new highly penetrant form of obesity due to deletions on chromosome 16p11.2. Nature, 2010, 463, 671-675.	13.7	476
2	Mirror extreme BMI phenotypes associated with gene dosage at the chromosome 16p11.2 locus. Nature, 2011, 478, 97-102.	13.7	394
3	A first-generation linkage disequilibrium map of human chromosome 22. Nature, 2002, 418, 544-548.	13.7	376
4	Minisequencing: A Specific Tool for DNA Analysis and Diagnostics on Oligonucleotideâ€‰Arrays. Genome Research, 1997, 7, 606-614.	2.4	324
5	Further delineation of the 15q13 microdeletion and duplication syndromes: a clinical spectrum varying from non-pathogenic to a severe outcome. Journal of Medical Genetics, 2009, 46, 511-523.	1.5	250
6	EXCAVATOR: detecting copy number variants from whole-exome sequencing data. Genome Biology, 2013, 14, R120.	13.9	213
7	Arrayed Primer Extension: Solid-Phase Four-Color DNA Resequencing and Mutation Detection Technology. Genetic Testing and Molecular Biomarkers, 2000, 4, 1-7.	1.7	167
8	Fourteen new cases contribute to the characterization of the 7q11.23 microduplication syndrome. European Journal of Medical Genetics, 2009, 52, 94-100.	0.7	157
9	Evaluating the arrayed primer extension resequencing assay of TP53 tumor suppressor gene. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 5503-5508.	3.3	98
10	Provirus Variants of the Bovine Leukemia Virus and Their Relation to the Serological Status of Naturally Infected Cattle. Virology, 1997, 237, 261-269.	1.1	95
11	Association study of 90 candidate gene polymorphisms in panic disorder. Psychiatric Genetics, 2005, 15, 17-24.	0.6	83
12	Zygotes segregate entire parental genomes in distinct blastomere lineages causing cleavage-stage chimerism and mixoploidy. Genome Research, 2016, 26, 567-578.	2.4	73
13	Genome stability of bovine in vivo-conceived cleavage-stage embryos is higher compared to in vitro-produced embryos. Human Reproduction, 2017, 32, 2348-2357.	0.4	69
14	Label-free, multiplexed detection of bacterial tmRNA using silicon photonic microring resonators. Biosensors and Bioelectronics, 2012, 36, 56-61.	5.3	68
15	The prevalence and phenotypic characteristics of spontaneous premature ovarian failure: a general population registry-based study. Human Reproduction, 2015, 30, 1229-1238.	0.4	68
16	Reliable Detection of Î²-Thalassemia and G6PD Mutations by a DNA Microarray. Clinical Chemistry, 2002, 48, 2051-2054.	1.5	57
17	Unravelling Genetic Data by Arrayed Primer Extension. Clinical Chemistry and Laboratory Medicine, 2000, 38, 165-70.	1.4	52
18	The Human WBSCR22 Protein Is Involved in the Biogenesis of the 40S Ribosomal Subunits in Mammalian Cells. PLoS ONE, 2013, 8, e75686.	1.1	44

#	Article	IF	Citations
19	Nucleic acid detection technologies and marker molecules in bacterial diagnostics. Expert Review of Molecular Diagnostics, 2014, 14, 489-500.	1.5	44
20	In vitro fertilization does not increase the incidence of de novo copy number alterations in fetal and placental lineages. Nature Medicine, 2019, 25, 1699-1705.	15.2	43
21	Copy number variation analysis detects novel candidate genes involved in follicular growth and oocyte maturation in a cohort of premature ovarian failure cases. Human Reproduction, 2016, 31, 1913-1925.	0.4	41
22	Polymorphisms in wolframin (WFS1) gene are possibly related to increased risk for mood disorders. International Journal of Neuropsychopharmacology, 2005, 8, 235-244.	1.0	38
23	Karyotype of the blastocoel fluid demonstrates low concordance with both trophectoderm and inner cell mass. Fertility and Sterility, 2018, 109, 1127-1134.e1.	0.5	38
24	Maternally and paternally inherited deletion of 7q31 involving the FOXP2 gene in two families. American Journal of Medical Genetics, Part A, 2012, 158A, 254-256.	0.7	37
25	Analysis of SNP profiles in patients with major depressive disorder. International Journal of Neuropsychopharmacology, 2006, 9, 167.	1.0	34
26	FoSTeS, MMBIR and NAHR at the human proximal Xp region and the mechanisms of human Xq isochromosome formation. Human Molecular Genetics, 2011, 20, 1925-1936.	1.4	34
27	A patient with de novo 0.45â€‰Mb deletion of 2p16.1: The role of BCL11A, PAPOLG, REL, and FLJ16341 in the 2p15â€p16.1 microdeletion syndrome. American Journal of Medical Genetics, Part A, 2013, 161, 865-870.	0.7	33
28	5.9Mb microdeletion in chromosome band 17q22â€“q23.2 associated with tracheo-esophageal fistula and conductive hearing loss. European Journal of Medical Genetics, 2009, 52, 71-74.	0.7	29
29	A speculative outlook on embryonic aneuploidy: Can molecular pathways be involved?. Developmental Biology, 2019, 447, 3-13.	0.9	29
30	Syndromic intellectual disability: A new phenotype caused by an aromatic amino acid decarboxylase gene (DDC) variant. Gene, 2015, 559, 144-148.	1.0	27
31	Chromosomal microarray analysis as a firstâ€tier clinical diagnostic test: E stonian experience. Molecular Genetics & Genomic Medicine, 2014, 2, 166-175.	0.6	22
32	Fluorideâ€Cleavable, Fluorescently Labelled Reversible Terminators: Synthesis and Use in Primer Extension. Chemistry - A European Journal, 2011, 17, 2903-2915.	1.7	21
33	Preparation of smooth siloxane surfaces for AFM visualization of immobilized biomolecules. Surface Science, 2003, 532-535, 1085-1091.	0.8	20
34	Solâ€“gel films for DNA microarray applications. Materials Letters, 2006, 60, 1833-1838.	1.3	17
35	Somatic mosaicism for copy-neutral loss of heterozygosity and DNA copy number variations in the human genome. BMC Genomics, 2015, 16, 703.	1.2	17
36	Target prediction and validation of microRNAs expressed from FSHR and aromatase genes in human ovarian granulosa cells. Scientific Reports, 2020, 10, 2300.	1.6	17

#	Article	IF	Citations
37	9ÂMb familial duplication in chromosome band Xp22.2â€“22.13 associated with mental retardation, hypotonia and developmental delay, scoliosis, cardiovascular problems and mild dysmorphic facial features. European Journal of Medical Genetics, 2011, 54, e510-e515.	0.7	15
38	MAPH: from gels to microarrays. European Journal of Medical Genetics, 2005, 48, 241-249.	0.7	14
39	Association study of sporadic Parkinson's disease genetic risk factors in patients from Russia by APEX technology. Neuroscience Letters, 2006, 405, 212-216.	1.0	13
40	Detection of small genomic imbalances using microarray-based multiplex amplifiable probe hybridization. European Journal of Human Genetics, 2007, 15, 162-172.	1.4	13
41	A novel de novo 1.8ÂMb microdeletion of 17q21.33 associated with intellectual disability and dysmorphic features. European Journal of Medical Genetics, 2012, 55, 656-659.	0.7	13
42	Detection of NASBA amplified bacterial tmRNA molecules on SLICSel designed microarray probes. BMC Biotechnology, 2011, 11, 17.	1.7	12
43	NIPTmer: rapid k-mer-based software package for detection of fetal aneuploidies. Scientific Reports, 2018, 8, 5616.	1.6	12
44	An RNA Stem-Loop Structure Involved in the Packaging of Bovine Leukemia Virus Genomic RNA in Vivo. Virology, 1995, 211, 434-442.	1.1	10
45	Fluorescent labeling of NASBA amplified tmRNA molecules for microarray applications. BMC Biotechnology, 2009, 9, 45.	1.7	10
46	Patient with Dup(5)(q35.2-q35.3) reciprocal to the common Sotos syndrome deletion and review of the literature. European Journal of Medical Genetics, 2013, 56, 202-206.	0.7	10
47	Reliable detection of beta-thalassemia and G6PD mutations by a DNA microarray. Clinical Chemistry, 2002, 48, 2051-4.	1.5	10
48	Balanced reciprocal translocation t(5;13)(q33;q12) and 9q31.1 microduplication in a man suffering from infertility and pollinosis. Journal of Applied Genetics, 2012, 53, 93-97.	1.0	9
49	Screening of 20 patients with X-linked mental retardation using chromosome X-specific array-MAPH. European Journal of Medical Genetics, 2007, 50, 399-410.	0.7	8
50	Array-MAPH: a methodology for the detection of locus copy-number changes in complex genomes. Nature Protocols, 2008, 3, 849-865.	5.5	8
51	A parallel SNP array study of genomic aberrations associated with mental retardation in patients and general population in Estonia. European Journal of Medical Genetics, 2011, 54, 136-143.	0.7	8
52	Genome-wide histone modification profiling of inner cell mass and trophectoderm of bovine blastocysts by RAT-ChIP. PLoS ONE, 2019, 14, e0225801.	1.1	8
53	Detection of tmRNA molecules on microarrays at low temperatures using helper oligonucleotides. BMC Biotechnology, 2010, 10, 34.	1.7	7
54	A hybrid approach to device integration on a genetic analysis platform. Measurement Science and Technology, 2012, 23, 105704.	1.4	5

#	Article	IF	Citations
55	Monozygotic Twins with 17q21.31 Microdeletion Syndrome. Twin Research and Human Genetics, 2014, 17, 405-410.	0.3	5
56	Integrated carbon nanotube fibreâ€“quartz tuning fork biosensor. Proceedings of the Estonian Academy of Sciences, 2012, 61, 48.	0.9	4
57	A dual colour FISH method for routine validation of sexed Bos taurus semen. BMC Veterinary Research, 2019, 15, 104.	0.7	3
58	Utilising FGF2, IGF2 and FSH in serum-free protocol for long-term in vitro cultivation of primary human granulosa cells. Molecular and Cellular Endocrinology, 2020, 510, 110816.	1.6	3
59	Aminopropyl Embedded Silica Films as Potent Substrates in DNA Microarray Applications. Materials Research Society Symposia Proceedings, 2005, 873, 1.	0.1	1
60	Application of two different microarray-based copy-number detection methodologies â€“ array-comparative genomic hybridization and array-multiplex amplifiable probe hybridization â€“ with identical amplifiable target sequences. Clinical Chemistry and Laboratory Medicine, 2008, 46, 722-4.	1.4	1
61	Arrayed Primer Extension Microarrays for Molecular Diagnostics. , 2010, , 267-284.		1
62	Oligonucleotide Array for Mutation Analysis in Familial Breast Cancer. Disease Markers, 1999, 15, 117-117.	0.6	0
63	Microarray detection of labeled NASBA products for the specific identification of pathogenic bacteria using tmRNA as a target. , 2008, , .		0
64	Naturally Amplified Player for Biosensing: tmRNA to the Rescue. Procedia Engineering, 2011, 25, 1549-1552.	1.2	0