Magnus Dehli Vigeland

List of Publications by Year
in descending order

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Version: 2024-02-01

52 papers	1,867 citations	516710 16 h-index	276875 41 g-index
53 all docs	53 docs citations	53 times ranked	3635 citing authors

#	Article	IF	Citations
1	The Atlantic salmon genome provides insights into rediploidization. Nature, 2016, 533, 200-205.	27.8	1,021
2	DNA Methylation and Gene Expression Changes in Monozygotic Twins Discordant for Psoriasis: Identification of Epigenetically Dysregulated Genes. PLoS Genetics, 2012, 8, e1002454.	3.5	145
3	A potential founder variant inCARMIL2/RLTPRin three Norwegian families with warts, molluscum contagiosum, and T-cell dysfunction. Molecular Genetics & Genomic Medicine, 2016, 4, 604-616.	1.2	59
4	Further delineation of an entity caused by CREBBP and EP300 mutations but not resembling Rubinsteinâ€“Taybi syndrome. American Journal of Medical Genetics, Part A, 2018, 176, 862-876.	1.2	52
5	FILTUS: a desktop GUI for fast and efficient detection of disease-causing variants, including a novel autozygosity detector. Bioinformatics, 2016, 32, 1592-1594.	4.1	44
6	PUF60 variants cause a syndrome of ID, short stature, microcephaly, coloboma, craniofacial, cardiac, renal and spinal features. European Journal of Human Genetics, 2017, 25, 552-559.	2.8	42
7	Evidence for adaptive evolution of lowâ€temperature stress response genes in a Pooideae grass ancestor. New Phytologist, 2013, 199, 1060-1068.	7.3	37
8	Pathogenic variants inKCTD7perturb neuronal K⁺fluxes and glutamine transport. Brain, 2016, 139, 3109-3120.	7.6	31
9	A general approach to power calculation for relationship testing. Forensic Science International: Genetics, 2014, 9, 186-190.	3.1	30
10	Homozygous KIDINS220 loss-of-function variants in fetuses with cerebral ventriculomegaly and limb contractures. Human Molecular Genetics, 2017, 26, 3792-3796.	2.9	24
11	NovelUCHL1mutations reveal new insights into ubiquitin processing. Human Molecular Genetics, 2017, 26, ddw391.	2.9	22
12	Neuronal and glial DNA methylation and gene expression changes in early epileptogenesis. PLoS ONE, 2019, 14, e0226575.	2.5	22
13	Phenotypic spectrum and transcriptomic profile associated with germline variants in TRAF7. Genetics in Medicine, 2020, 22, 1215-1226.	2.4	22
14	Biallelic POLR3A variants confirmed as a frequent cause of hereditary ataxia and spastic paraparesis. Brain, 2019, 142, e12-e12.	7.6	21
15	Generalized epilepsy in a family with basal ganglia calcifications and mutations in SLC20A2 and CHRNB2. European Journal of Medical Genetics, 2015, 58, 624-628.	1.3	19
16	Mitochondrial genome-wide association study of migraine â€“ the HUNT Study. Cephalalgia, 2020, 40, 625-634.	3.9	19
17	Evaluating the statistical power of DNA-based identification, exemplified by â€˜The missing grandchildren of Argentinaâ€™. Forensic Science International: Genetics, 2017, 31, 57-66.	3.1	17
18	A novel mutation in FBXL4 in a Norwegian child with encephalomyopathic mitochondrial DNA depletion syndrome 13. European Journal of Medical Genetics, 2016, 59, 342-346.	1.3	16

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19	Exome Sequencing Fails to Identify the Genetic Cause of Aicardi Syndrome. Molecular Syndromology, 2016, 7, 234-238.	0.8	16
20	Prioritising family members for genotyping in missing person cases: A general approach combining the statistical power of exclusion and inclusion. Forensic Science International: Genetics, 2020, 49, 102376.	3.1	16
21	Relatedness coefficients in pedigrees with inbred founders. Journal of Mathematical Biology, 2020, 81, 185-207.	1.9	15
22	A novel somatic mutation inGNB2provides new insights to the pathogenesis of Sturgeâ€“Weber syndrome. Human Molecular Genetics, 2021, 30, 1919-1931.	2.9	15
23	Mixtures with relatives: A pedigree perspective. Forensic Science International: Genetics, 2014, 10, 49-54.	3.1	14
24	Smooth tropical surfaces with infinitely many tropical lines. Arkiv for Matematik, 2010, 48, 177-206.	0.5	13
25	Benefits of clinical criteria and high-throughput sequencing for diagnosing children with syndromic craniosynostosis. European Journal of Human Genetics, 2021, 29, 920-929.	2.8	13
26	Autosomal Recessive Cerebellar Atrophy and Spastic Ataxia in Patients With Pathogenic Biallelic Variants in GEMIN5. Frontiers in Cell and Developmental Biology, 2022, 10, 783762.	3.7	10
27	Responses of wild reindeer (Rangifer tarandus tarandus) when provoked by a snow-kiter or skier: A model approach. Applied Animal Behaviour Science, 2012, 142, 82-89.	1.9	9
28	Mixtures with relatives and linked markers. International Journal of Legal Medicine, 2016, 130, 621-634.	2.2	9
29	Segregation of Incomplete Achromatopsia and Alopecia Due to PDE6H and LPAR6 Variants in a Consanguineous Family from Pakistan. Genes, 2016, 7, 41.	2.4	8
30	Wholeâ€exome sequencing in syndromic craniosynostosis increases diagnostic yield and identifies candidate genes in osteogenic signaling pathways. American Journal of Medical Genetics, Part A, 2022, 188, 1464-1475.	1.2	7
31	Making decisions in missing person identification cases with low statistical power. Forensic Science International: Genetics, 2021, 54, 102519.	3.1	6
32	Correlation between gene expression and MRI STIR signals in patients with chronic lowÂback pain and Modic changes indicates immune involvement. Scientific Reports, 2022, 12, 215.	3.3	6
33	Identification and characterization of rare toll-like receptor 3 variants in patients with autoimmune Addison's disease. Journal of Translational Autoimmunity, 2019, 1, 100005.	4.0	5
34	Pairwise relatedness testing in the context of inbreeding: expectation and variance of the likelihood ratio. International Journal of Legal Medicine, 2021, 135, 117-129.	2.2	5
35	Differential Glial Activation in Early Epileptogenesisâ€”Insights From Cell-Specific Analysis of DNA Methylation and Gene Expression in the Contralateral Hippocampus. Frontiers in Neurology, 2020, 11, 573575.	2.4	5
36	Elevated hydroxycholesterols in Norwegian patients with hereditary spastic paraplegia SPG5. Journal of the Neurological Sciences, 2020, 419, 117211.	0.6	4

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37	Joint DNA-based disaster victim identification. Scientific Reports, 2021, 11, 13661.	3.3	4
38	Handling founder inbreeding in forensic kinship analysis. Forensic Science International: Genetics Supplement Series, 2019, 7, 780-781.	0.3	4
39	The group law on a tropical elliptic curve. Mathematica Scandinavica, 2009, 104, 188.	0.2	4
40	QuickPed: an online tool for drawing pedigrees and analysing relatedness. BMC Bioinformatics, 2022, 23, .	2.6	4
41	Genotyping Unknown Genomic Terrain in Complex Plant Genomes. , 2010, , 455-459.		2
42	Coexistence of Congenital Adrenal Hyperplasia and Autoimmune Addison's Disease. Frontiers in Endocrinology, 2019, 10, 648.	3.5	2
43	Kinship Testing. , 2021, , 83-103.		0
44	Probabilities on Pedigrees. , 2021, , 63-82.		0
45	Coefficients of Relatedness. , 2021, , 25-42.		0
46	Tropical Lines on Cubic Surfaces. SIAM Journal on Discrete Mathematics, 2022, 36, 383-410.	0.8	0
47	Neuronal and glial DNA methylation and gene expression changes in early epileptogenesis. , 2019, 14, e0226575.		0
48	Neuronal and glial DNA methylation and gene expression changes in early epileptogenesis. , 2019, 14, e0226575.		0
49	Neuronal and glial DNA methylation and gene expression changes in early epileptogenesis. , 2019, 14, e0226575.		0
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