Magnus Dehli Vigeland

List of Publications by Year
in descending order

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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	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
2	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
3	Tropical Lines on Cubic Surfaces. SIAM Journal on Discrete Mathematics, 2022, 36, 383-410.	0.8	0
4	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
5	QuickPed: an online tool for drawing pedigrees and analysing relatedness. BMC Bioinformatics, 2022, 23, .	2.6	4
6	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
7	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
8	Kinship Testing. , 2021, , 83-103.		0
9	Probabilities on Pedigrees. , 2021, , 63-82.		0
10	A novel somatic mutation inGNB2provides new insights to the pathogenesis of Sturgeâ€“Weber syndrome. Human Molecular Genetics, 2021, 30, 1919-1931.	2.9	15
11	Joint DNA-based disaster victim identification. Scientific Reports, 2021, 11, 13661.	3.3	4
12	Making decisions in missing person identification cases with low statistical power. Forensic Science International: Genetics, 2021, 54, 102519.	3.1	6
13	Coefficients of Relatedness. , 2021, , 25-42.		0
14	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
15	Elevated hydroxycholesterols in Norwegian patients with hereditary spastic paraplegia SPG5. Journal of the Neurological Sciences, 2020, 419, 117211.	0.6	4
16	Phenotypic spectrum and transcriptomic profile associated with germline variants in TRAF7. Genetics in Medicine, 2020, 22, 1215-1226.	2.4	22
17	Relatedness coefficients in pedigrees with inbred founders. Journal of Mathematical Biology, 2020, 81, 185-207.	1.9	15
18	Mitochondrial genome-wide association study of migraine â€“ the HUNT Study. Cephalalgia, 2020, 40, 625-634.	3.9	19

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19	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
20	Coexistence of Congenital Adrenal Hyperplasia and Autoimmune Addison's Disease. Frontiers in Endocrinology, 2019, 10, 648.	3.5	2
21	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
22	Biallelic POLR3A variants confirmed as a frequent cause of hereditary ataxia and spastic paraparesis. Brain, 2019, 142, e12-e12.	7.6	21
23	Neuronal and glial DNA methylation and gene expression changes in early epileptogenesis. PLoS ONE, 2019, 14, e0226575.	2.5	22
24	Handling founder inbreeding in forensic kinship analysis. Forensic Science International: Genetics Supplement Series, 2019, 7, 780-781.	0.3	4
25	Neuronal and glial DNA methylation and gene expression changes in early epileptogenesis. , 2019, 14, e0226575.		0
26	Neuronal and glial DNA methylation and gene expression changes in early epileptogenesis. , 2019, 14, e0226575.		0
27	Neuronal and glial DNA methylation and gene expression changes in early epileptogenesis. , 2019, 14, e0226575.		0
28	Neuronal and glial DNA methylation and gene expression changes in early epileptogenesis. , 2019, 14, e0226575.		0
29	Neuronal and glial DNA methylation and gene expression changes in early epileptogenesis. , 2019, 14, e0226575.		0
30	Neuronal and glial DNA methylation and gene expression changes in early epileptogenesis. , 2019, 14, e0226575.		0
31	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
32	NovelUCHL1mutations reveal new insights into ubiquitin processing. Human Molecular Genetics, 2017, 26, ddw391.	2.9	22
33	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
34	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
35	Homozygous KIDINS220 loss-of-function variants in fetuses with cerebral ventriculomegaly and limb contractures. Human Molecular Genetics, 2017, 26, 3792-3796.	2.9	24
36	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

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37	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
38	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
39	The Atlantic salmon genome provides insights into rediploidization. Nature, 2016, 533, 200-205.	27.8	1,021
40	Mixtures with relatives and linked markers. International Journal of Legal Medicine, 2016, 130, 621-634.	2.2	9
41	Exome Sequencing Fails to Identify the Genetic Cause of Aicardi Syndrome. Molecular Syndromology, 2016, 7, 234-238.	0.8	16
42	Pathogenic variants inKCTD7perturb neuronal K⁺fluxes and glutamine transport. Brain, 2016, 139, 3109-3120.	7.6	31
43	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
44	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
45	A general approach to power calculation for relationship testing. Forensic Science International: Genetics, 2014, 9, 186-190.	3.1	30
46	Mixtures with relatives: A pedigree perspective. Forensic Science International: Genetics, 2014, 10, 49-54.	3.1	14
47	Evidence for adaptive evolution of lowâ€temperature stress response genes in a Pooideae grass ancestor. New Phytologist, 2013, 199, 1060-1068.	7.3	37
48	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
49	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
50	Genotyping Unknown Genomic Terrain in Complex Plant Genomes. , 2010, , 455-459.		2
51	Smooth tropical surfaces with infinitely many tropical lines. Arkiv for Matematik, 2010, 48, 177-206.	0.5	13
52	The group law on a tropical elliptic curve. Mathematica Scandinavica, 2009, 104, 188.	0.2	4