

Markus Söllman-Alm

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

3,262
citations

331670

21
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477307

29
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docs citations

29
times ranked

6945
citing authors

#	ARTICLE	IF	CITATIONS
1	Evolution of Darwin's finches and their beaks revealed by genome sequencing. <i>Nature</i> , 2015, 518, 371-375.	27.8	766
2	Trends in the exploitation of novel drug targets. <i>Nature Reviews Drug Discovery</i> , 2011, 10, 579-590.	46.4	720
3	Mapping the human membrane proteome: a majority of the human membrane proteins can be classified according to function and evolutionary origin. <i>BMC Biology</i> , 2009, 7, 50.	3.8	497
4	The Origin of GPCRs: Identification of Mammalian like Rhodopsin, Adhesion, Glutamate and Frizzled GPCRs in Fungi. <i>PLoS ONE</i> , 2012, 7, e29817.	2.5	152
5	Independent HHsearch, Needleman-Wunsch-Based, and Motif Analyses Reveal the Overall Hierarchy for Most of the G Protein-Coupled Receptor Families. <i>Molecular Biology and Evolution</i> , 2011, 28, 2471-2480.	8.9	145
6	Genome wide analysis reveals association of a FTO gene variant with epigenetic changes. <i>Genomics</i> , 2012, 99, 132-137.	2.9	132
7	Many obesity-associated SNPs strongly associate with DNA methylation changes at proximal promoters and enhancers. <i>Genome Medicine</i> , 2015, 7, 103.	8.2	124
8	Genome-wide analysis reveals DNA methylation markers that vary with both age and obesity. <i>Gene</i> , 2014, 548, 61-67.	2.2	83
9	The Dispanins: A Novel Gene Family of Ancient Origin That Contains 14 Human Members. <i>PLoS ONE</i> , 2012, 7, e31961.	2.5	74
10	Kiwi genome provides insights into evolution of a nocturnal lifestyle. <i>Genome Biology</i> , 2015, 16, 147.	8.8	68
11	The obesity gene, TMEM18, is of ancient origin, found in majority of neuronal cells in all major brain regions and associated with obesity in severely obese children. <i>BMC Medical Genetics</i> , 2010, 11, 58.	2.1	65
12	Remarkable similarities between the hemichordate (<i>Saccoglossus kowalevskii</i>) and vertebrate GPCR repertoire. <i>Gene</i> , 2013, 526, 122-133.	2.2	50
13	The GPCR repertoire in the demosponge <i>Amphimedon queenslandica</i> : insights into the GPCR system at the early divergence of animals. <i>BMC Evolutionary Biology</i> , 2014, 14, 270.	3.2	42
14	Functional specialization in nucleotide sugar transporters occurred through differentiation of the gene cluster EamA (DUF6) before the radiation of Viridiplantae. <i>BMC Evolutionary Biology</i> , 2011, 11, 123.	3.2	37
15	The fat mass and obesity gene is linked to reduced verbal fluency in overweight and obese elderly men. <i>Neurobiology of Aging</i> , 2011, 32, 1159.e1-1159.e5.	3.1	35
16	Evolutionary hierarchy of vertebrate-like heterotrimeric G protein families. <i>Molecular Phylogenetics and Evolution</i> , 2015, 91, 27-40.	2.7	35
17	Dominant Red Coat Color in Holstein Cattle Is Associated with a Missense Mutation in the Coatomer Protein Complex, Subunit Alpha (COPA) Gene. <i>PLoS ONE</i> , 2015, 10, e0128969.	2.5	30
18	Roux-En Y Gastric Bypass Surgery Induces Genome-Wide Promoter-Specific Changes in DNA Methylation in Whole Blood of Obese Patients. <i>PLoS ONE</i> , 2015, 10, e0115186.	2.5	27

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19	Insights into the Origin of Nematode Chemosensory GPCRs: Putative Orthologs of the Srw Family Are Found across Several Phyla of Protostomes. PLoS ONE, 2014, 9, e93048.	2.5	26
20	Functional coupling analysis suggests link between the obesity gene FTO and the BDNF-NTRK2 signaling pathway. BMC Neuroscience, 2011, 12, 117.	1.9	22
21	Scrutinizing the FTO locus: compelling evidence for a complex, long-range regulatory context. Human Genetics, 2015, 134, 1183-1193.	3.8	22
22	Comprehensive analysis of localization of 78 solute carrier genes throughout the subsections of the rat gastrointestinal tract. Biochemical and Biophysical Research Communications, 2011, 411, 702-707.	2.1	19
23	Detailed Analysis of Variants in FTO in Association with Body Composition in a Cohort of 70-Year-Olds Suggests a Weakened Effect among Elderly. PLoS ONE, 2011, 6, e20158.	2.5	19
24	Highly diversified expansions shaped the evolution of membrane bound proteins in metazoans. Scientific Reports, 2017, 7, 12387.	3.3	16
25	Critical evaluation of the FANTOM3 non-coding RNA transcripts. Genomics, 2009, 94, 169-176.	2.9	15
26	Early vertebrate origin of melanocortin 2 receptor accessory proteins (MRAPs). General and Comparative Endocrinology, 2013, 188, 123-132.	1.8	14
27	Association of the LINGO2-related SNP rs10968576 with body mass in a cohort of elderly Swedes. Molecular Genetics and Genomics, 2015, 290, 1485-1491.	2.1	13
28	Topology based identification and comprehensive classification of four-transmembrane helix containing proteins (4TMs) in the human genome. BMC Genomics, 2016, 17, 268.	2.8	10
29	Determination of obesity associated gene variants related to TMEM18 through ultra-deep targeted re-sequencing in a case-control cohort for pediatric obesity. Genetical Research, 2015, 97, e16.	0.9	4