

Rolf W Stottmann

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

49
papers

1,501
citations

20
h-index

38
g-index

79
ext. papers

1,802
ext. citations

5.2
avg, IF

4.24
L-index

#	Paper	IF	Citations
49	Mandibulofacial dysostosis with microcephaly: An expansion of the phenotype via parental survey. <i>American Journal of Medical Genetics, Part A</i> , 2021 , 185, 413-423	2.5	4
48	COPB2 loss of function causes a coatopathy with osteoporosis and developmental delay. <i>American Journal of Human Genetics</i> , 2021 , 108, 1710-1724	11	2
47	CNS glycosylphosphatidylinositol deficiency results in delayed white matter development, ataxia and premature death in a novel mouse model. <i>Human Molecular Genetics</i> , 2020 , 29, 1205-1217	5.6	6
46	A novel hypomorphic allele of causes primary ciliary dyskinesia phenotypes in mice. <i>DMM Disease Models and Mechanisms</i> , 2020 , 13,	4.1	3
45	Nubp2 is required for cranial neural crest survival in the mouse. <i>Developmental Biology</i> , 2020 , 458, 189-199	1	1
44	Loss of SMPD4 Causes a Developmental Disorder Characterized by Microcephaly and Congenital Arthrogyriposis. <i>American Journal of Human Genetics</i> , 2019 , 105, 689-705	11	22
43	Severe biallelic loss-of-function mutations in nicotinamide mononucleotide adenylyltransferase 2 (NMNAT2) in two fetuses with fetal akinesia deformation sequence. <i>Experimental Neurology</i> , 2019 , 320, 112961	5.7	29
42	Differential requirements of tubulin genes in mammalian forebrain development. <i>PLoS Genetics</i> , 2019 , 15, e1008243	6	22
41	Gpr63 is a modifier of microcephaly in Ttc21b mouse mutants. <i>PLoS Genetics</i> , 2019 , 15, e1008467	6	5
40	Glycosylphosphatidylinositol biosynthesis and remodeling are required for neural tube closure, heart development, and cranial neural crest cell survival. <i>ELife</i> , 2019 , 8,	8.9	7
39	Using human sequencing to guide craniofacial research. <i>Genesis</i> , 2019 , 57, e23259	1.9	3
38	A mutation in causes neonatal hydrocephalus with abnormal motile cilia development in mice. <i>Development (Cambridge)</i> , 2018 , 145,	6.6	35
37	Unique spatiotemporal requirements for intraflagellar transport genes during forebrain development. <i>PLoS ONE</i> , 2017 , 12, e0173258	3.7	14
36	Ttc21b Is Required in Bergmann Glia for Proper Granule Cell Radial Migration. <i>Journal of Developmental Biology</i> , 2017 , 5,	3.5	9
35	Loss of SLC25A46 causes neurodegeneration by affecting mitochondrial dynamics and energy production in mice. <i>Human Molecular Genetics</i> , 2017 , 26, 3776-3791	5.6	26
34	A heterozygous mutation in tubulin, beta 2B (Tubb2b) causes cognitive deficits and hippocampal disorganization. <i>Genes, Brain and Behavior</i> , 2017 , 16, 250-259	3.6	8
33	Copb2 is essential for embryogenesis and hypomorphic mutations cause human microcephaly. <i>Human Molecular Genetics</i> , 2017 , 26, 4836-4848	5.6	36

32	A tissue-specific role for intraflagellar transport genes during craniofacial development. <i>PLoS ONE</i> , 2017 , 12, e0174206	3.7	15
31	Novel genetic tools facilitate the study of cortical neuron migration. <i>Mammalian Genome</i> , 2016 , 27, 8-16	3.2	1
30	Altered cholesterol biosynthesis causes precocious neurogenesis in the developing mouse forebrain. <i>Neurobiology of Disease</i> , 2016 , 91, 69-82	7.5	13
29	The Impact of CRISPR/Cas9-Based Genomic Engineering on Biomedical Research and Medicine. <i>Current Molecular Medicine</i> , 2016 , 16, 343-52	2.5	10
28	Congenital Cataracts and Gut Dysmotility in a DYNC1H1 Dyneinopathy Patient. <i>Genes</i> , 2016 , 7,	4.2	14
27	The ciliary baton: orchestrating neural crest cell development. <i>Current Topics in Developmental Biology</i> , 2015 , 111, 97-134	5.3	19
26	Grhl2 is required in nonneural tissues for neural progenitor survival and forebrain development. <i>Genesis</i> , 2015 , 53, 573-582	1.9	11
25	Everolimus Stabilizes Podocyte Microtubules via Enhancing TUBB2B and DCDC2 Expression. <i>PLoS ONE</i> , 2015 , 10, e0137043	3.7	8
24	A forward genetic screen in mice identifies mutants with abnormal cortical patterning. <i>Cerebral Cortex</i> , 2015 , 25, 167-79	5.1	16
23	A mutation in FRIZZLED2 impairs Wnt signaling and causes autosomal dominant omdysplasia. <i>Human Molecular Genetics</i> , 2015 , 24, 3399-409	5.6	22
22	The mouse MC13 mutant is a novel ENU mutation in collagen type II, alpha 1. <i>PLoS ONE</i> , 2014 , 9, e116104	3.7	1
21	ENU Mutagenesis in the Mouse. <i>Current Protocols in Human Genetics</i> , 2014 , 82, 15.4.1-10	3.2	7
20	ENU mutagenesis in the mouse. <i>Current Protocols in Mouse Biology</i> , 2014 , 4, 25-35	1.1	7
19	Toward a systems-level understanding of the Hedgehog signaling pathway: defining the complex, robust, and fragile. <i>Wiley Interdisciplinary Reviews: Systems Biology and Medicine</i> , 2013 , 5, 83-100	6.6	9
18	A mutation in Tubb2b, a human polymicrogyria gene, leads to lethality and abnormal cortical development in the mouse. <i>Human Molecular Genetics</i> , 2013 , 22, 4053-63	5.6	21
17	Mutation mapping and identification by whole-genome sequencing. <i>Genome Research</i> , 2012 , 22, 1541-8	9.7	101
16	Bone morphogenetic protein signaling is required in the dorsal neural folds before neurulation for the induction of spinal neural crest cells and dorsal neurons. <i>Developmental Dynamics</i> , 2011 , 240, 755-65	2.9	23
15	Focusing forward genetics: a tripartite ENU screen for neurodevelopmental mutations in the mouse. <i>Genetics</i> , 2011 , 188, 615-24	4	32

14	Cholesterol metabolism is required for intracellular hedgehog signal transduction in vivo. <i>PLoS Genetics</i> , 2011 , 7, e1002224	6	37
13	Using ENU mutagenesis for phenotype-driven analysis of the mouse. <i>Methods in Enzymology</i> , 2010 , 477, 329-48	1.7	17
12	Conservation and regulatory associations of a wide affinity range of mouse transcription factor binding sites. <i>Genomics</i> , 2010 , 95, 185-95	4.3	36
11	Ttc21b is required to restrict sonic hedgehog activity in the developing mouse forebrain. <i>Developmental Biology</i> , 2009 , 335, 166-78	3.1	63
10	THM1 negatively modulates mouse sonic hedgehog signal transduction and affects retrograde intraflagellar transport in cilia. <i>Nature Genetics</i> , 2008 , 40, 403-410	36.3	257
9	SNP2RFLP: a computational tool to facilitate genetic mapping using benchtop analysis of SNPs. <i>Mammalian Genome</i> , 2008 , 19, 687-90	3.2	8
8	The bone morphogenetic protein antagonist noggin regulates mammalian cardiac morphogenesis. <i>Circulation Research</i> , 2007 , 100, 220-8	15.7	53
7	The BMP antagonist Noggin promotes cranial and spinal neurulation by distinct mechanisms. <i>Developmental Biology</i> , 2006 , 295, 647-63	3.1	50
6	BMP receptor IA is required in mammalian neural crest cells for development of the cardiac outflow tract and ventricular myocardium. <i>Development (Cambridge)</i> , 2004 , 131, 2205-18	6.6	148
5	A Novel Mutation in the Gene Encoding Noggin is Not Causative in Human Neural Tube Defects. <i>Journal of Neurogenetics</i> , 2002 , 16, 65-71	1.6	9
4	Chordin and noggin promote organizing centers of forebrain development in the mouse. <i>Development (Cambridge)</i> , 2002 , 129, 4975-4987	6.6	148
3	A novel mutation in the gene encoding noggin is not causative in human neural tube defects. <i>Journal of Neurogenetics</i> , 2002 , 16, 65-71	1.6	3
2	The BMP antagonists Chordin and Noggin have essential but redundant roles in mouse mandibular outgrowth. <i>Developmental Biology</i> , 2001 , 240, 457-73	3.1	102
1	A Novel Mutation in the Gene Encoding Noggin is Not Causative in Human Neural Tube Defects		8