Sudipto Roy

List of Publications by Year
in descending order

56 papers	3,337 citations	186265 28 h-index	189892 50 g-index
60 all docs	60 docs citations	60 times ranked	4498 citing authors

#	Article	IF	Citations
1	Foxj1 transcription factors are master regulators of the motile ciliogenic program. Nature Genetics, 2008, 40, 1445-1453.	21.4	395
2	Switching on cilia: transcriptional networks regulating ciliogenesis. Development (Cambridge), 2014, 141, 1427-1441.	2.5	273
3	Multiple Muscle Cell Identities Induced by Distinct Levels and Timing of Hedgehog Activity in the Zebrafish Embryo. Current Biology, 2003, 13, 1169-1181.	3.9	252
4	Myoblast fusion: When it takes more to make one. Developmental Biology, 2010, 341, 66-83.	2.0	217
5	The B-cell maturation factor Blimp-1 specifies vertebrate slow-twitch muscle fiber identity in response to Hedgehog signaling. Nature Genetics, 2004, 36, 88-93.	21.4	167
6	Mutations in DZIP1L, which encodes a ciliary-transition-zone protein, cause autosomal recessive polycystic kidney disease. Nature Genetics, 2017, 49, 1025-1034.	21.4	148
7	A conserved molecular pathway mediates myoblast fusion in insects and vertebrates. Nature Genetics, 2007, 39, 781-786.	21.4	115
8	Cilia-driven cerebrospinal fluid flow directs expression of urotensin neuropeptides to straighten the vertebrate body axis. Nature Genetics, 2018, 50, 1666-1673.	21.4	106
9	iguana encodes a novel zinc-finger protein with coiled-coil domains essential for Hedgehog signal transduction in the zebrafish embryo. Genes and Development, 2004, 18, 1565-1576.	5.9	99
10	Systematic discovery of novel ciliary genes through functional genomics in the zebrafish. Development (Cambridge), 2014, 141, 3410-3419.	2.5	97
11	Gmnc Is a Master Regulator of the Multiciliated Cell Differentiation Program. Current Biology, 2015, 25, 3267-3273.	3.9	83
12	Blimp-1 Specifies Neural Crest and Sensory Neuron Progenitors in the Zebrafish Embryo. Current Biology, 2004, 14, 1772-1777.	3.9	81
13	A homologue of the Drosophila kinesin-like protein Costal2 regulates Hedgehog signal transduction in the vertebrate embryo. Development (Cambridge), 2005, 132, 625-634.	2.5	78
14	Muscle pattern diversification in Drosophila: the story of imaginal myogenesis. BioEssays, 1999, 21, 486-498.	2.5	75
15	De novo identification of mammalian ciliary motility proteins using cryo-EM. Cell, 2021, 184, 5791-5806.e19.	28.9	73
16	Leftâ€"right asymmetry: cilia stir up new surprises in the node. Open Biology, 2013, 3, 130052.	3.6	70
17	A function for the Joubert syndrome protein Arl13b in ciliary membrane extension and ciliary length regulation. Developmental Biology, 2015, 397, 225-236.	2.0	70
18	Patterning Muscles Using Organizers: Larval Muscle Templates and Adult Myoblasts Actively Interact to Pattern the Dorsal Longitudinal Flight Muscles of Drosophila. Journal of Cell Biology, 1998, 141, 1135-1145.	5.2	63

#	Article	IF	Citations
19	Cilia-driven fluid flow as an epigenetic cue for otolith biomineralization on sensory hair cells of the inner ear. Development (Cambridge), 2011, 138, 487-494.	2.5	54
20	Evolutionarily Ancient Association of the FoxJ1 Transcription Factor with the Motile Ciliogenic Program. PLoS Genetics, 2012, 8, e1003019.	3.5	54
21	Myomaker is required for the fusion of fast-twitch myocytes in the zebrafish embryo. Developmental Biology, 2017, 423, 24-33.	2.0	53
22	The iguana/DZIP1 protein is a novel component of the ciliogenic pathway essential for axonemal biogenesis. Developmental Dynamics, 2010, 239, 527-534.	1.8	44
23	Reissner fibre-induced urotensin signalling from cerebrospinal fluid-contacting neurons prevents scoliosis of the vertebrate spine. Biology Open, 2020, 9, .	1.2	44
24	Defects in efferent duct multiciliogenesis underlie male infertility in GEMC1, MCIDAS or CCNO deficient mice. Development (Cambridge), 2019, 146, .	2.5	42
25	A homologue of the vertebrate SET domain and zinc finger protein Blimp-1 regulates terminal differentiation of the tracheal system in the Drosophila embryo. Development Genes and Evolution, 2006, 216, 243-252.	0.9	40
26	Diversity and function of motile ciliated cell types within ependymal lineages of the zebrafish brain. Cell Reports, 2021, 37, 109775.	6.4	40
27	Genomewide Expression Profiling in the Zebrafish Embryo Identifies Target Genes Regulated by Hedgehog Signaling During Vertebrate Development. Genetics, 2006, 174, 735-752.	2.9	39
28	Mutations in <i>CCDC11</i> , which Encodes a Coiled-Coil Containing Ciliary Protein, Causes <i>Situs Inversus</i> Due to Dysmotility of Monocilia in the Left-Right Organizer. Human Mutation, 2015, 36, 307-318.	2.5	39
29	The motile cilium in development and disease: emerging new insights. BioEssays, 2009, 31, 694-699.	2.5	37
30	CDK10 Mutations in Humans and Mice Cause Severe Growth Retardation, Spine Malformations, and Developmental Delays. American Journal of Human Genetics, 2017, 101, 391-403.	6.2	35
31	<i>Mcidas</i> mutant mice reveal a two-step process for the specification and differentiation of multiciliated cells in mammals. Development (Cambridge), 2019, 146, .	2.5	33
32	Identification of Important Effector Proteins in the FOXJ1 Transcriptional Network Associated With Ciliogenesis and Ciliary Function. Frontiers in Genetics, 2019, 10, 23.	2.3	28
33	E2f5 is a versatile transcriptional activator required for spermatogenesis and multiciliated cell differentiation in zebrafish. PLoS Genetics, 2020, 16, e1008655.	3.5	28
34	Blimp-1 is an essential component of the genetic program controlling development of the pectoral limb bud. Developmental Biology, 2006, 300, 623-634.	2.0	27
35	Distinct requirements of E2f4 versus E2f5 activity for multiciliated cell development in the zebrafish embryo. Developmental Biology, 2018, 443, 165-172.	2.0	27
36	Sonic hedgehog functions upstream of<i>disrupted-in-schizophrenia 1</i>(<i>disc1</i>): implications for mental illness. Biology Open, 2015, 4, 1336-1343.	1.2	26

#	Article	IF	Citations
37	SnapShot: Motile Cilia. Cell, 2015, 162, 224-224.e1.	28.9	25
38	Cilia and Hedgehog: When and how was their marriage solemnized?. Differentiation, 2012, 83, S43-S48.	1.9	24
39	Specification of vertebrate slow-twitch muscle fiber fate by the transcriptional regulator Blimp1. Developmental Biology, 2008, 324, 226-235.	2.0	23
40	Control of meiotic chromosomal bouquet and germ cell morphogenesis by the zygotene cilium. Science, 2022, 376, eabh3104.	12.6	20
41	CFAP53 regulates mammalian cilia-type motility patterns through differential localization and recruitment of axonemal dynein components. PLoS Genetics, 2020, 16, e1009232.	3.5	17
42	Discovery of a genetic module essential for assigning leftâ€"right asymmetry in humans and ancestral vertebrates. Nature Genetics, 2022, 54, 62-72.	21.4	16
43	Conservation as well as divergence in Mcidas function underlies the differentiation of multiciliated cells in vertebrates. Developmental Biology, 2020, 465, 168-177.	2.0	10
44	The zebrafish fast myosin light chain mylpfa:H2B-GFP transgene is a useful tool for inÂvivo imaging of myocyte fusion in the vertebrate embryo. Gene Expression Patterns, 2016, 20, 106-110.	0.8	9
45	Adolescent Idiopathic Scoliosis: Fishy Tales of Crooked Spines. Trends in Genetics, 2021, 37, 612-615.	6.7	9
46	Disruption of GMNC-MCIDAS multiciliogenesis program is critical in choroid plexus carcinoma development. Cell Death and Differentiation, 2022, 29, 1596-1610.	11.2	7
47	Developmental Biology: Taking Flight. Current Biology, 2012, 22, R63-R65.	3.9	6
48	Cilia: Organelles at the Heart of Heart Disease. Current Biology, 2015, 25, R559-R562.	3.9	6
49	Ciliary dynein arms: Cytoplasmic preassembly, intraflagellar transport, and axonemal docking. Journal of Cellular Physiology, 2022, 237, 2644-2653.	4.1	6
50	Multiciliated Cells: Rise and Fall of the Deuterosomes. Trends in Cell Biology, 2020, 30, 259-262.	7.9	4
51	Editorial. Seminars in Cell and Developmental Biology, 2021, 110, 1.	5.0	0
52	Systematic discovery of novel ciliary genes through functional genomics in the zebrafish. Journal of Cell Science, 2014, 127, e1-e1.	2.0	0
53	Title is missing!. , 2020, 16, e1009232.		0
54	Title is missing!. , 2020, 16, e1009232.		0

#	Article	IF	Citations
55	Title is missing!. , 2020, 16, e1009232.		0
56	Title is missing!. , 2020, 16, e1009232.		0