Saikat Mukhopadhyay

List of Publications by Year
in descending order

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41 papers	3,179 citations	331259 21 h-index	315357 38 g-index
44 all docs	44 docs citations	44 times ranked	3234 citing authors

#	Article	IF	Citations
1	Studying Hedgehog Signaling During Mouse Neural Tube Development. Methods in Molecular Biology, 2022, 2374, 59-71.	0.4	0
2	Developmental and regenerative paradigms of cilia regulated hedgehog signaling. Seminars in Cell and Developmental Biology, 2021, 110, 89-103.	2.3	62
3	Ciliary and extraciliary Gpr161 pools repress hedgehog signaling in a tissue-specific manner. ELife, 2021, 10, .	2.8	16
4	Wnt1 Lineage Specific Deletion of Gpr161 Results in Embryonic Midbrain Malformation and Failure of Craniofacial Skeletal Development. Frontiers in Genetics, 2021, 12, 761418.	1.1	7
5	Ubiquitin Tunes Hedgehog in Matters of the Heart. Developmental Cell, 2020, 55, 385-386.	3.1	1
6	Ankmy2 Prevents Smoothened-Independent Hyperactivation of the Hedgehog Pathway via Cilia-Regulated Adenylyl Cyclase Signaling. Developmental Cell, 2020, 54, 710-726.e8.	3.1	26
7	Derepression of sonic hedgehog signaling upon Gpr161 deletion unravels forebrain and ventricular abnormalities. Developmental Biology, 2019, 450, 47-62.	0.9	22
8	Cellular signalling by primary cilia in development, organ function and disease. Nature Reviews Nephrology, 2019, 15, 199-219.	4.1	533
9	Tulp3 Regulates Renal Cystogenesis by Trafficking of Cystoproteins to Cilia. Current Biology, 2019, 29, 790-802.e5.	1.8	39
10	Dominant negative GPR161 rare variants are risk factors of human spina bifida. Human Molecular Genetics, 2019, 28, 200-208.	1.4	28
11	Basal Suppression of the Sonic Hedgehog Pathway by the G-Protein-Coupled Receptor Gpr161 Restricts Medulloblastoma Pathogenesis. Cell Reports, 2018, 22, 1169-1184.	2.9	49
12	Tubby family proteins are adapters for ciliary trafficking of integral membrane proteins. Journal of Cell Biology, 2017, 216, 743-760.	2.3	146
13	Trafficking to the primary cilium membrane. Molecular Biology of the Cell, 2017, 28, 233-239.	0.9	64
14	Using Primary Neurosphere Cultures to Study Primary Cilia. Journal of Visualized Experiments, 2017, , .	0.2	2
15	The G-protein-coupled receptor Gpr161 regulates forelimb formation, limb patterning and skeletal morphogenesis in a primary cilium-dependent manner. Development (Cambridge), 2017, 145, .	1.2	47
16	Gâ€proteinâ€coupled receptor signaling and neural tube closure defects. Birth Defects Research, 2017, 109, 129-139.	0.8	10
17	Smoothened determines Î²-arrestinâ€“mediated removal of the G proteinâ€“coupled receptor Gpr161 from the primary cilium. Journal of Cell Biology, 2016, 212, 861-875.	2.3	114
18	TCTEX1D2, a potential link to skeletal ciliopathies. Cell Cycle, 2015, 14, 293-294.	1.3	3

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19	Studying G protein-coupled receptors: immunoblotting, immunoprecipitation, phosphorylation, surface labeling, and cross-linking protocols. Methods in Cell Biology, 2015, 127, 303-322.	0.5	11
20	Gâ€proteinâ€coupled receptors and localized signaling in the primary cilium during ventral neural tube patterning. Birth Defects Research Part A: Clinical and Molecular Teratology, 2015, 103, 12-19.	1.6	18
21	Primary cilium and sonic hedgehog signaling during neural tube patterning: Role of GPCRs and second messengers. Developmental Neurobiology, 2015, 75, 337-348.	1.5	30
22	G-protein-coupled receptors, Hedgehog signaling and primary cilia. Seminars in Cell and Developmental Biology, 2014, 33, 63-72.	2.3	125
23	The Ciliary G-Protein-Coupled Receptor Gpr161 Negatively Regulates the Sonic Hedgehog Pathway via cAMP Signaling. Cell, 2013, 152, 210-223.	13.5	403
24	Cilia, tubby mice, and obesity. Cilia, 2013, 2, 1.	1.8	11
25	Tubby is required for trafficking G protein-coupled receptors to neuronal cilia. Cilia, 2012, 1, 21.	1.8	87
26	The tubby family proteins. Genome Biology, 2011, 12, 225.	13.9	111
27	An ARL3â€“UNC119â€“RP2 GTPase cycle targets myristoylated NPHP3 to the primary cilium. Genes and Development, 2011, 25, 2347-2360.	2.7	202
28	TULP3 bridges the IFT-A complex and membrane phosphoinositides to promote trafficking of G protein-coupled receptors into primary cilia. Genes and Development, 2010, 24, 2180-2193.	2.7	351
29	Cisâ€regulatory mechanisms of gene expression in an olfactory neuron type in Caenorhabditis elegans. Developmental Dynamics, 2009, 238, 3080-3092.	0.8	18
30	elipsa is an early determinant of ciliogenesis that links the IFT particle to membrane-associated small GTPase Rab8. Nature Cell Biology, 2008, 10, 437-444.	4.6	203
31	Sensory Signaling-Dependent Remodeling of Olfactory Cilia Architecture in C. elegans. Developmental Cell, 2008, 14, 762-774.	3.1	121
32	Distinct IFT mechanisms contribute to the generation of ciliary structural diversity in C. elegans. EMBO Journal, 2007, 26, 2966-2980.	3.5	96
33	Identification of Thermosensory and Olfactory Neuron-Specific Genes via Expression Profiling of Single Neuron Types. Current Biology, 2004, 14, 2245-2251.	1.8	115
34	Sustained stimulation of platelet thrombin receptor is associated with tyrosine dephosphorylation of a novel p67 peptide in a manner regulated by extracellular calcium. Biochimica Et Biophysica Acta - Molecular Cell Research, 2004, 1693, 147-157.	1.9	8
35	Platelet storage under in vitro condition is associated with calcium-dependent apoptosis-like lesions and novel reorganization in platelet cytoskeleton. Archives of Biochemistry and Biophysics, 2004, 422, 183-190.	1.4	34
36	Regulation of Postaggregation Events Induced by Protease-Activated Receptor 1 Ligation in Human Platelets: Evidence of Differential Signaling Pathways. Archives of Biochemistry and Biophysics, 2002, 398, 253-260.	1.4	7

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37	Factor VIII gene polymorphisms in North Indian population: a consensus algorithm for carrier analysis of hemophilia A. Clinica Chimica Acta, 2002, 325, 177-181.	0.5	12
38	Bruton's tyrosine kinase is a substrate of calpain in human platelets. FEBS Letters, 2001, 505, 37-41.	1.3	10
39	Bruton's tyrosine kinase associates with the actin-based cytoskeleton in activated platelets. Journal of Cellular Biochemistry, 2001, 81, 659-665.	1.2	24
40	Basal Suppression of Sonic Hedgehog Pathway by the G-Protein-Coupled Receptor Gpr161 Restricts Medulloblastoma Pathogenesis. SSRN Electronic Journal, 0, , .	0.4	0
41	Cilia-Localized Counterregulatory Signals as Drivers of Renal Cystogenesis. Frontiers in Molecular Biosciences, 0, 9, .	1.6	9