Ramanuj Dasgupta

List of Publications by Year
in descending order

63 papers	6,545 citations	147726 31 h-index	110317 64 g-index
72 all docs	72 docs citations	72 times ranked	9384 citing authors

#	Article	IF	Citations
1	De Novo Hair Follicle Morphogenesis and Hair Tumors in Mice Expressing a Truncated Î²-Catenin in Skin. Cell, 1998, 95, 605-614.	13.5	1,301
2	Links between signal transduction, transcription and adhesion in epithelial bud development. Nature, 2003, 422, 317-322.	13.7	537
3	Tcf3 and Lef1 regulate lineage differentiation of multipotent stem cells in skin. Genes and Development, 2001, 15, 1688-1705.	2.7	504
4	Functional genomics reveals genes involved in protein secretion and Golgi organization. Nature, 2006, 439, 604-607.	13.7	337
5	Onco-fetal Reprogramming of Endothelial Cells Drives Immunosuppressive Macrophages in Hepatocellular Carcinoma. Cell, 2020, 183, 377-394.e21.	13.5	329
6	Functional Genomic Analysis of the Wnt-Wingless Signaling Pathway. Science, 2005, 308, 826-833.	6.0	325
7	An RNAi-based chemical genetic screen identifies three small-molecule inhibitors of the Wnt/wingless signaling pathway. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 5954-5963.	3.3	300
8	At the Roots of a Never-Ending Cycle. Developmental Cell, 2001, 1, 13-25.	3.1	253
9	Regulation of Pluripotency and Cellular Reprogramming by the Ubiquitin-Proteasome System. Cell Stem Cell, 2012, 11, 783-798.	5.2	235
10	The mago nashi gene is required for the polarisation of the oocyte and the formation of perpendicular axes in Drosophila. Current Biology, 1997, 7, 468-478.	1.8	185
11	Notch modulates Wnt signalling by associating with Armadillo/Î²-catenin and regulating its transcriptional activity. Development (Cambridge), 2005, 132, 1819-1830.	1.2	176
12	Long noncoding RNA EGFR-AS1 mediates epidermal growth factor receptor addiction and modulates treatment response in squamous cell carcinoma. Nature Medicine, 2017, 23, 1167-1175.	15.2	141
13	Longitudinal single-cell RNA sequencing of patient-derived primary cells reveals drug-induced infidelity in stem cell hierarchy. Nature Communications, 2018, 9, 4931.	5.8	134
14	A membrane-associated Î²-catenin/Oct4 complex correlates with ground-state pluripotency in mouse embryonic stem cells. Development (Cambridge), 2013, 140, 1171-1183.	1.2	113
15	The Wingless morphogen gradient is established by the cooperative action of Frizzled and Heparan Sulfate Proteoglycan receptors. Developmental Biology, 2004, 276, 89-100.	0.9	110
16	Single-cell and bulk transcriptome sequencing identifies two epithelial tumor cell states and refines the consensus molecular classification of colorectal cancer. Nature Genetics, 2022, 54, 963-975.	9.4	106
17	Dynamic expression of tRNAâ€derived small RNAs define cellular states. EMBO Reports, 2019, 20, e47789.	2.0	100
18	Wnt Coreceptor Lrp5 Is a Driver of Idiopathic Pulmonary Fibrosis. American Journal of Respiratory and Critical Care Medicine, 2014, 190, 185-195.	2.5	95

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19	Inhibition of androgen receptor and Î²-catenin activity in prostate cancer. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 15710-15715.	3.3	85
20	A 3D printed microfluidic perfusion device for multicellular spheroid cultures. Biofabrication, 2017, 9, 045005.	3.7	85
21	A developmental conundrum. Journal of Cell Biology, 2002, 158, 331-344.	2.3	81
22	Phenotype-driven precision oncology as a guide for clinical decisions one patient at a time. Nature Communications, 2017, 8, 435.	5.8	75
23	Self-aligning Tetris-Like (TILE) modular microfluidic platform for mimicking multi-organ interactions. Lab on A Chip, 2019, 19, 2178-2191.	3.1	64
24	A Systematic Screen for Micro-RNAs Regulating the Canonical Wnt Pathway. PLoS ONE, 2011, 6, e26257.	1.1	63
25	Wnt inhibition leads to improved chemosensitivity in paediatric acute lymphoblastic leukaemia. British Journal of Haematology, 2014, 167, 87-99.	1.2	61
26	Colorectal cancer atlas: An integrative resource for genomic and proteomic annotations from colorectal cancer cell lines and tissues. Nucleic Acids Research, 2016, 44, D969-D974.	6.5	55
27	tRNA-derived fragments (tRFs): establishing their turf in post-transcriptional gene regulation. Cellular and Molecular Life Sciences, 2021, 78, 2607-2619.	2.4	50
28	Using RNAi to catch Drosophila genes in a web of interactions: insights into cancer research. Oncogene, 2004, 23, 8359-8365.	2.6	46
29	TCF7L1 Modulates Colorectal Cancer Growth by Inhibiting Expression of the Tumor-Suppressor Gene EPHB3. Scientific Reports, 2016, 6, 28299.	1.6	42
30	Pan-Cancer Analysis of Ligandâ€“Receptor Cross-talk in the Tumor Microenvironment. Cancer Research, 2021, 81, 1802-1812.	0.4	41
31	The miR-310/13 cluster antagonizes Î²-catenin function in the regulation of germ and somatic cell differentiation in theDrosophilatestis. Development (Cambridge), 2013, 140, 2904-2916.	1.2	36
32	A case study of the reproducibility of transcriptional reporter cell-based RNAi screens in Drosophila. Genome Biology, 2007, 8, R203.	13.9	35
33	Yan, an ETSâ€domain transcription factor, negatively modulates the Wingless pathway in the Drosophila eye. EMBO Reports, 2011, 12, 1047-1054.	2.0	35
34	Inhibition of Î²-cateninâ€“TCF1 interaction delays differentiation of mouse embryonic stem cells. Journal of Cell Biology, 2015, 211, 39-51.	2.3	32
35	The transcription factor Lef1 switches partners from Î²-catenin to Smad3 during muscle stem cell quiescence. Science Signaling, 2018, 11, .	1.6	30
36	PAPTi: A Peptide Aptamer Interference Toolkit for Perturbation of Protein-Protein Interaction Networks. Scientific Reports, 2013, 3, 1156.	1.6	28

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37	DUSP16 promotes cancer chemoresistance through regulation of mitochondria-mediated cell death. Nature Communications, 2021, 12, 2284.	5.8	28
38	Single-Cell RNA-seq Reveals Angiotensin-Converting Enzyme 2 and Transmembrane Serine Protease 2 Expression in TROP2+ Liver Progenitor Cells: Implications in Coronavirus Disease 2019-Associated Liver Dysfunction. Frontiers in Medicine, 2021, 8, 603374.	1.2	28
39	Trajectory of immune evasion and cancer progression in hepatocellular carcinoma. Nature Communications, 2022, 13, 1441.	5.8	28
40	Bili Inhibits Wnt/Î²-Catenin Signaling by Regulating the Recruitment of Axin to LRP6. PLoS ONE, 2009, 4, e6129.	1.1	25
41	miR-582-5p Is a Tumor Suppressor microRNA Targeting the Hippo-YAP/TAZ Signaling Pathway in Non-Small Cell Lung Cancer. Cancers, 2021, 13, 756.	1.7	21
42	Predicting heterogeneity in clone-specific therapeutic vulnerabilities using single-cell transcriptomic signatures. Genome Medicine, 2021, 13, 189.	3.6	20
43	Luciferase Reporter Assay in Drosophila and Mammalian Tissue Culture Cells. Current Protocols in Chemical Biology, 2014, 6, 7-23.	1.7	15
44	Function of the Wingless Signaling Pathway in Drosophila. Methods in Molecular Biology, 2008, 469, 115-125.	0.4	15
45	HIVâ€™s Nef Interacts with Î²-Catenin of the Wnt Signaling Pathway in HEK293 Cells. PLoS ONE, 2013, 8, e77865.	1.1	15
46	LncRNA SFTA1P mediates positive feedback regulation of the Hippo-YAP/TAZ signaling pathway in non-small cell lung cancer. Cell Death Discovery, 2021, 7, 369.	2.0	14
47	Exploration of Self-Renewal and Pluripotency in ES Cells Using RNAi. Methods in Enzymology, 2010, 477, 351-365.	0.4	10
48	A chemical genetic screen identifies Aurora kinases as a therapeutic target in EGFR T790M negative, gefitinib-resistant head and neck squamous cell carcinoma (HNSCC). EBioMedicine, 2021, 64, 103220.	2.7	10
49	Identification of mechanism of cancer-cell-specific reactivation of hTERT offers therapeutic opportunities for blocking telomerase specifically in human colorectal cancer. Nucleic Acids Research, 2023, 51, 1-16.	6.5	10
50	Drosophila Wnt/Fz Pathways. Science Signaling, 2005, 2005, cm5-cm5.	1.6	9
51	Identification and characterization of a novel Sso7d scaffold-based binder against Notch1. Scientific Reports, 2017, 7, 12021.	1.6	9
52	High-Throughput RNAi Screen in Drosophila. Methods in Molecular Biology, 2008, 469, 163-184.	0.4	8
53	Inhibition Of The Wnt Pathway Leads To Improved Chemosensitivity In Pediatric Acute Lymphoblastic Leukemia. Blood, 2013, 122, 1428-1428.	0.6	8
54	Functional Genomic Approaches Targeting the Wnt Signaling Network. Current Drug Targets, 2009, 10, 620-631.	1.0	8

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55	Genome-wide screens identify specific drivers of mutant hTERT promoters. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	8
56	Tracking tumor evolution one-cell-at-a-time. Molecular and Cellular Oncology, 2019, 6, 1590089.	0.3	6
57	Disrupting Interactions Between Î²-Catenin and Activating TCFs Reconstitutes Ground State Pluripotency in Mouse Embryonic Stem Cells. Stem Cells, 2017, 35, 1924-1933.	1.4	4
58	Postgenomic technologies targeting the Wnt signaling network. Wiley Interdisciplinary Reviews: Systems Biology and Medicine, 2011, 3, 649-665.	6.6	3
59	Single-cell analysis of EphA clustering phenotypes to probe cancer cell heterogeneity. Communications Biology, 2020, 3, 429.	2.0	2
60	Targeting the developmental origins of cancer. Nature Cancer, 2021, 2, 256-257.	5.7	2
61	A membrane-associated Î²-catenin/Oct4 complex correlates with ground-state pluripotency in mouse embryonic stem cells. Journal of Cell Science, 2013, 126, e1-e1.	1.2	2
62	Two high-yield complementary methods to sort cell populations by their 2D or 3D migration speed. Molecular Biology of the Cell, 2020, 31, 2779-2790.	0.9	1
63	Inhibition of Î²-cateninâ€“TCF1 interaction delays differentiation of mouse embryonic stem cells. Journal of Experimental Medicine, 2015, 212, 21211OIA90.	4.2	0