

# Ramanuj Dasgupta

## List of Publications by Year in descending order

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Version: 2024-02-01

63  
papers

6,545  
citations

147801  
31  
h-index

110387  
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 $\beta$ -Catenin in Skin. <i>Cell</i> , 1998, 95, 605-614.  | 28.9 | 1,301     |
| 2  | Links between signal transduction, transcription and adhesion in epithelial bud development. <i>Nature</i> , 2003, 422, 317-322.   | 27.8 | 537       |
| 3  | Tcf3 and Lef1 regulate lineage differentiation of multipotent stem cells in skin. <i>Genes and Development</i> , 2001, 15, 1688-1705.  | 5.9  | 504       |
| 4  | Functional genomics reveals genes involved in protein secretion and Golgi organization. <i>Nature</i> , 2006, 439, 604-607.  | 27.8 | 337       |
| 5  | Onco-fetal Reprogramming of Endothelial Cells Drives Immunosuppressive Macrophages in Hepatocellular Carcinoma. <i>Cell</i> , 2020, 183, 377-394.e21.  | 28.9 | 329       |
| 6  | Functional Genomic Analysis of the Wnt-Wingless Signaling Pathway. <i>Science</i> , 2005, 308, 826-833.  | 12.6 | 325       |
| 7  | An RNAi-based chemical genetic screen identifies three small-molecule inhibitors of the Wnt/wingless signaling pathway. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 5954-5963. | 7.1  | 300       |
| 8  | At the Roots of a Never-Ending Cycle. <i>Developmental Cell</i> , 2001, 1, 13-25.  | 7.0  | 253       |
| 9  | Regulation of Pluripotency and Cellular Reprogramming by the Ubiquitin-Proteasome System. <i>Cell Stem Cell</i> , 2012, 11, 783-798.   | 11.1 | 235       |
| 10 | The mago nashi gene is required for the polarisation of the oocyte and the formation of perpendicular axes in <i>Drosophila</i> . <i>Current Biology</i> , 1997, 7, 468-478.   | 3.9  | 185       |
| 11 | Notch modulates Wnt signalling by associating with Armadillo/ $\beta$ -catenin and regulating its transcriptional activity. <i>Development (Cambridge)</i> , 2005, 132, 1819-1830.   | 2.5  | 176       |
| 12 | Long noncoding RNA EGFR-AS1 mediates epidermal growth factor receptor addiction and modulates treatment response in squamous cell carcinoma. <i>Nature Medicine</i> , 2017, 23, 1167-1175.   | 30.7 | 141       |
| 13 | Longitudinal single-cell RNA sequencing of patient-derived primary cells reveals drug-induced infidelity in stem cell hierarchy. <i>Nature Communications</i> , 2018, 9, 4931.   | 12.8 | 134       |
| 14 | A membrane-associated $\beta$ -catenin/Oct4 complex correlates with ground-state pluripotency in mouse embryonic stem cells. <i>Development (Cambridge)</i> , 2013, 140, 1171-1183.  | 2.5  | 113       |
| 15 | The Wingless morphogen gradient is established by the cooperative action of Frizzled and Heparan Sulfate Proteoglycan receptors. <i>Developmental Biology</i> , 2004, 276, 89-100.   | 2.0  | 110       |
| 16 | Single-cell and bulk transcriptome sequencing identifies two epithelial tumor cell states and refines the consensus molecular classification of colorectal cancer. <i>Nature Genetics</i> , 2022, 54, 963-975.                         | 21.4 | 106       |
| 17 | Dynamic expression of tRNA-derived small RNAs define cellular states. <i>EMBO Reports</i> , 2019, 20, e47789.  | 4.5  | 100       |
| 18 | Wnt Coreceptor Lrp5 Is a Driver of Idiopathic Pulmonary Fibrosis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2014, 190, 185-195.  | 5.6  | 95        |

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|----|---|------|-----------|
| 19 | Inhibition of androgen receptor and $\beta$ -catenin activity in prostate cancer. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 15710-15715.              | 7.1  | 85        |
| 20 | A 3D printed microfluidic perfusion device for multicellular spheroid cultures. Biofabrication, 2017, 9, 045005.  | 7.1  | 85        |
| 21 | A developmental conundrum. Journal of Cell Biology, 2002, 158, 331-344.   | 5.2  | 81        |
| 22 | Phenotype-driven precision oncology as a guide for clinical decisions one patient at a time. Nature Communications, 2017, 8, 435.   | 12.8 | 75        |
| 23 | Self-aligning Tetris-Like (TILE) modular microfluidic platform for mimicking multi-organ interactions. Lab on A Chip, 2019, 19, 2178-2191.  | 6.0  | 64        |
| 24 | A Systematic Screen for Micro-RNAs Regulating the Canonical Wnt Pathway. PLoS ONE, 2011, 6, e26257.   | 2.5  | 63        |
| 25 | Wnt inhibition leads to improved chemosensitivity in paediatric acute lymphoblastic leukaemia. British Journal of Haematology, 2014, 167, 87-99.  | 2.5  | 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.                      | 14.5 | 55        |
| 27 | tRNA-derived fragments (tRFs): establishing their turf in post-transcriptional gene regulation. Cellular and Molecular Life Sciences, 2021, 78, 2607-2619.  | 5.4  | 50        |
| 28 | Using RNAi to catch Drosophila genes in a web of interactions: insights into cancer research. Oncogene, 2004, 23, 8359-8365.  | 5.9  | 46        |
| 29 | TCF7L1 Modulates Colorectal Cancer Growth by Inhibiting Expression of the Tumor-Suppressor Gene EPHB3. Scientific Reports, 2016, 6, 28299.  | 3.3  | 42        |
| 30 | Pan-Cancer Analysis of Ligand- Receptor Cross-talk in the Tumor Microenvironment. Cancer Research, 2021, 81, 1802-1812.   | 0.9  | 41        |
| 31 | The miR-310/13 cluster antagonizes $\beta$ -catenin function in the regulation of germ and somatic cell differentiation in the <i>Drosophila</i> testis. Development (Cambridge), 2013, 140, 2904-2916. | 2.5  | 36        |
| 32 | A case study of the reproducibility of transcriptional reporter cell-based RNAi screens in Drosophila. Genome Biology, 2007, 8, R203.   | 9.6  | 35        |
| 33 | Yan, an ETS-domain transcription factor, negatively modulates the Wingless pathway in the <i>Drosophila</i> eye. EMBO Reports, 2011, 12, 1047-1054.   | 4.5  | 35        |
| 34 | Inhibition of $\beta$ -catenin-TCF1 interaction delays differentiation of mouse embryonic stem cells. Journal of Cell Biology, 2015, 211, 39-51.  | 5.2  | 32        |
| 35 | The transcription factor Lef1 switches partners from $\beta$ -catenin to Smad3 during muscle stem cell quiescence. Science Signaling, 2018, 11, .   | 3.6  | 30        |
| 36 | PAPTi: A Peptide Aptamer Interference Toolkit for Perturbation of Protein-Protein Interaction Networks. Scientific Reports, 2013, 3, 1156.  | 3.3  | 28        |

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|----|---|------|-----------|
| 37 | DUSP16 promotes cancer chemoresistance through regulation of mitochondria-mediated cell death. <i>Nature Communications</i> , 2021, 12, 2284.   | 12.8 | 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. <i>Frontiers in Medicine</i> , 2021, 8, 603374. | 2.6  | 28        |
| 39 | Trajectory of immune evasion and cancer progression in hepatocellular carcinoma. <i>Nature Communications</i> , 2022, 13, 1441.   | 12.8 | 28        |
| 40 | Bili Inhibits Wnt/ $\beta$ -Catenin Signaling by Regulating the Recruitment of Axin to LRP6. <i>PLoS ONE</i> , 2009, 4, e6129.  | 2.5  | 25        |
| 41 | miR-582-5p Is a Tumor Suppressor microRNA Targeting the Hippo-YAP/TAZ Signaling Pathway in Non-Small Cell Lung Cancer. <i>Cancers</i> , 2021, 13, 756.  | 3.7  | 21        |
| 42 | Predicting heterogeneity in clone-specific therapeutic vulnerabilities using single-cell transcriptomic signatures. <i>Genome Medicine</i> , 2021, 13, 189.   | 8.2  | 20        |
| 43 | Luciferase Reporter Assay in Drosophila and Mammalian Tissue Culture Cells. <i>Current Protocols in Chemical Biology</i> , 2014, 6, 7-23.   | 1.7  | 15        |
| 44 | Function of the Wingless Signaling Pathway in Drosophila. <i>Methods in Molecular Biology</i> , 2008, 469, 115-125.   | 0.9  | 15        |
| 45 | HIV $\alpha$ 's Nef Interacts with $\beta$ -Catenin of the Wnt Signaling Pathway in HEK293 Cells. <i>PLoS ONE</i> , 2013, 8, e77865.  | 2.5  | 15        |
| 46 | LncRNA SFTA1P mediates positive feedback regulation of the Hippo-YAP/TAZ signaling pathway in non-small cell lung cancer. <i>Cell Death Discovery</i> , 2021, 7, 369.   | 4.7  | 14        |
| 47 | Exploration of Self-Renewal and Pluripotency in ES Cells Using RNAi. <i>Methods in Enzymology</i> , 2010, 477, 351-365.   | 1.0  | 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). <i>EBioMedicine</i> , 2021, 64, 103220.  | 6.1  | 10        |
| 49 | Identification of mechanism of cancer-cell-specific reactivation of <i>hTERT</i> offers therapeutic opportunities for blocking telomerase specifically in human colorectal cancer. <i>Nucleic Acids Research</i> , 2023, 51, 1-16.                                  | 14.5 | 10        |
| 50 | Drosophila Wnt/Fz Pathways. <i>Science Signaling</i> , 2005, 2005, cm5-cm5.   | 3.6  | 9         |
| 51 | Identification and characterization of a novel Sso7d scaffold-based binder against Notch1. <i>Scientific Reports</i> , 2017, 7, 12021.  | 3.3  | 9         |
| 52 | High-Throughput RNAi Screen in Drosophila. <i>Methods in Molecular Biology</i> , 2008, 469, 163-184.  | 0.9  | 8         |
| 53 | Inhibition Of The Wnt Pathway Leads To Improved Chemosensitivity In Pediatric Acute Lymphoblastic Leukemia. <i>Blood</i> , 2013, 122, 1428-1428.  | 1.4  | 8         |
| 54 | Functional Genomic Approaches Targeting the Wnt Signaling Network. <i>Current Drug Targets</i> , 2009, 10, 620-631.   | 2.1  | 8         |

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|----|---|------|-----------|
| 55 | Genome-wide screens identify specific drivers of mutant <i>hTERT</i> promoters. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, . | 7.1  | 8         |
| 56 | Tracking tumor evolution one-cell-at-a-time. Molecular and Cellular Oncology, 2019, 6, 1590089.   | 0.7  | 6         |
| 57 | Disrupting Interactions Between $\beta$ -Catenin and Activating TCFs Reconstitutes Ground State Pluripotency in Mouse Embryonic Stem Cells. Stem Cells, 2017, 35, 1924-1933.  | 3.2  | 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.  | 4.4  | 2         |
| 60 | Targeting the developmental origins of cancer. Nature Cancer, 2021, 2, 256-257.   | 13.2 | 2         |
| 61 | A membrane-associated $\beta$ -catenin/Oct4 complex correlates with ground-state pluripotency in mouse embryonic stem cells. Journal of Cell Science, 2013, 126, e1-e1.       | 2.0  | 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.                          | 2.1  | 1         |
| 63 | Inhibition of $\beta$ -catenin-TCF1 interaction delays differentiation of mouse embryonic stem cells. Journal of Experimental Medicine, 2015, 212, 212110IA90.                | 8.5  | 0         |