

# Debashis Sahoo

## List of Publications by Year in descending order

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Version: 2024-02-01

70  
papers

6,523  
citations

147801

31  
h-index

95266

68  
g-index

88  
all docs

88  
docs citations

88  
times ranked

11857  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Isolation and characterization of human embryonic stem cell-derived heart field-specific cardiomyocytes unravels new insights into their transcriptional and electrophysiological profiles. <i>Cardiovascular Research</i> , 2022, 118, 828-843. | 3.8  | 14        |
| 2  | A Microsatellite in the Coding Sequence of HLA-A/B Is a Mutation Hotspot in Colon Cancer With Microsatellite Instability. <i>Gastroenterology</i> , 2022, 162, 960-963.e3.   | 1.3  | 0         |
| 3  | Upregulation of BMI1-suppressor miRNAs (miR-200c, miR-203) during terminal differentiation of colon epithelial cells. <i>Journal of Gastroenterology</i> , 2022, , 1.  | 5.1  | 3         |
| 4  | Artificial intelligence-rationalized balanced PPAR $\alpha$ / $\beta$ dual agonism resets dysregulated macrophage processes in inflammatory bowel disease. <i>Communications Biology</i> , 2022, 5, 231.   | 4.4  | 7         |
| 5  | An Artificial Intelligence-guided signature reveals the shared host immune response in MIS-C and Kawasaki disease. <i>Nature Communications</i> , 2022, 13, 2687.  | 12.8 | 37        |
| 6  | Hepatocyte Deletion of IGF2 Prevents DNA Damage and Tumor Formation in Hepatocellular Carcinoma. <i>Advanced Science</i> , 2022, 9, .  | 11.2 | 9         |
| 7  | A long isoform of GIV/Girdin contains a PDZ-binding module that regulates localization and G-protein binding. <i>Journal of Biological Chemistry</i> , 2021, 296, 100493.  | 3.4  | 8         |
| 8  | Boolean implication analysis unveils candidate universal relationships in microbiome data. <i>BMC Bioinformatics</i> , 2021, 22, 49.   | 2.6  | 1         |
| 9  | E-cigarettes compromise the gut barrier and trigger inflammation. <i>IScience</i> , 2021, 24, 102035.  | 4.1  | 36        |
| 10 | A zebrafish model of granulin deficiency reveals essential roles in myeloid cell differentiation. <i>Blood Advances</i> , 2021, 5, 796-811.  | 5.2  | 17        |
| 11 | Immunosuppression of Macrophages Underlies the Cardioprotective Effects of CST (Catestatin). <i>Hypertension</i> , 2021, 77, 1670-1682.  | 2.7  | 31        |
| 12 | AI-guided discovery of the invariant host response to viral pandemics. <i>EBioMedicine</i> , 2021, 68, 103390.   | 6.1  | 37        |
| 13 | Drug repurposing screens identify chemical entities for the development of COVID-19 interventions. <i>Nature Communications</i> , 2021, 12, 3309.  | 12.8 | 81        |
| 14 | Artificial intelligence guided discovery of a barrier-protective therapy in inflammatory bowel disease. <i>Nature Communications</i> , 2021, 12, 4246.   | 12.8 | 37        |
| 15 | GIV/Girdin, a non-receptor modulator for G $\alpha$ i/s, regulates spatiotemporal signaling during sperm capacitation and is required for male fertility. <i>ELife</i> , 2021, 10, .   | 6.0  | 7         |
| 16 | Adult stem cell-derived complete lung organoid models emulate lung disease in COVID-19. <i>ELife</i> , 2021, 10, .   | 6.0  | 64        |
| 17 | Aged skeletal stem cells generate an inflammatory degenerative niche. <i>Nature</i> , 2021, 597, 256-262.  | 27.8 | 143       |
| 18 | SPT6 loss permits the transdifferentiation of keratinocytes into an intestinal fate that resembles Barrett's metaplasia. <i>IScience</i> , 2021, 24, 103121.   | 4.1  | 5         |

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|----|---|------|-----------|
| 19 | The GÎ±â€œinteracting vesicleâ€œassociated protein interacts with and promotes cell surface localization of GRP78 during endoplasmic reticulum stress. <i>FEBS Letters</i> , 2020, 594, 1088-1100.  | 2.8  | 5         |
| 20 | Urothelial Proliferation of Unknown Malignant Potential Involving the Bladder: Histopathologic Features and Risk of Progression in De Novo Cases and Cases With Prior Neoplasia. <i>Archives of Pathology and Laboratory Medicine</i> , 2020, 144, 853-862. | 2.5  | 8         |
| 21 | GIVâ€œKindlin Interaction Is Required for Kindlin-Mediated Integrin Recognition and Activation. <i>IScience</i> , 2020, 23, 101209.   | 4.1  | 11        |
| 22 | Haematopoietic stem cell-dependent Notch transcription is mediated by p53 through the Histone chaperone Supt16h. <i>Nature Cell Biology</i> , 2020, 22, 1411-1422.  | 10.3 | 9         |
| 23 | GIV/Girdin and Exo70 Collaboratively Regulate the Mammalian Polarized Exocytic Machinery. <i>IScience</i> , 2020, 23, 101246.   | 4.1  | 3         |
| 24 | The DNA Glycosylase NEIL2 Suppresses Fusobacterium-Infection-Induced Inflammation and DNA Damage in Colonic Epithelial Cells. <i>Cells</i> , 2020, 9, 1980.   | 4.1  | 28        |
| 25 | The PVT1 lncRNA is a novel epigenetic enhancer of MYC, and a promising risk-stratification biomarker in colorectal cancer. <i>Molecular Cancer</i> , 2020, 19, 155.   | 19.2 | 56        |
| 26 | Transcriptional profiling of lung macrophages identifies a predictive signature for inflammatory lung disease in preterm infants. <i>Communications Biology</i> , 2020, 3, 259.   | 4.4  | 25        |
| 27 | Upregulation of CD47 Is a Host Checkpoint Response to Pathogen Recognition. <i>MBio</i> , 2020, 11, .   | 4.1  | 29        |
| 28 | Helicobacter pylori infection downregulates the DNA glycosylase NEIL2, resulting in increased genome damage and inflammation in gastric epithelial cells. <i>Journal of Biological Chemistry</i> , 2020, 295, 11082-11098.                                  | 3.4  | 35        |
| 29 | Enhanced mitochondrial fission suppresses signaling and metastasis in triple-negative breast cancer. <i>Breast Cancer Research</i> , 2020, 22, 60.  | 5.0  | 46        |
| 30 | Computational Approach to Identifying Universal Macrophage Biomarkers. <i>Frontiers in Physiology</i> , 2020, 11, 275.  | 2.8  | 26        |
| 31 | Primary Female Urethral Carcinoma. <i>American Journal of Surgical Pathology</i> , 2020, 44, 1591-1601.   | 3.7  | 11        |
| 32 | The stress polarity signaling (SPS) pathway serves as a marker and a target in the leaky gut barrier: implications in aging and cancer. <i>Life Science Alliance</i> , 2020, 3, e201900481.   | 2.8  | 28        |
| 33 | DDX5 promotes oncogene C3 and FABP1 expressions and drives intestinal inflammation and tumorigenesis. <i>Life Science Alliance</i> , 2020, 3, e202000772.   | 2.8  | 21        |
| 34 | miR-221 Targets QKI to Enhance the Tumorigenic Capacity of Human Colorectal Cancer Stem Cells. <i>Cancer Research</i> , 2019, 79, 5151-5158.  | 0.9  | 51        |
| 35 | Non-coding and Coding Transcriptional Profiles Are Significantly Altered in Pediatric Retinoblastoma Tumors. <i>Frontiers in Oncology</i> , 2019, 9, 221.   | 2.8  | 27        |
| 36 | Unbiased Boolean analysis of public gene expression data for cell cycle gene identification. <i>Molecular Biology of the Cell</i> , 2019, 30, 1770-1779.  | 2.1  | 28        |

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|----|--|------|-----------|
| 37 | Identification of gene expression logical invariants in <i>Arabidopsis</i> . <i>Plant Direct</i> , 2019, 3, e00123.  | 1.9  | 7         |
| 38 | <i>Fusobacterium nucleatum</i> promotes colorectal cancer by inducing Wnt/ $\beta$ -catenin modulator Annexin A1. <i>EMBO Reports</i> , 2019, 20, .  | 4.5  | 283       |
| 39 | High fat diet induces sex-specific differential gene expression in <i>Drosophila melanogaster</i> . <i>PLoS ONE</i> , 2019, 14, e0213474.  | 2.5  | 27        |
| 40 | Analysis of cardiomyocyte clonal expansion during mouse heart development and injury. <i>Nature Communications</i> , 2018, 9, 754.   | 12.8 | 94        |
| 41 | Notch1 regulates the initiation of metastasis and self-renewal of Group 3 medulloblastoma. <i>Nature Communications</i> , 2018, 9, 4121.   | 12.8 | 36        |
| 42 | Identification of the Human Skeletal Stem Cell. <i>Cell</i> , 2018, 175, 43-56.e21.  | 28.9 | 425       |
| 43 | Boolean analysis identifies CD38 as a biomarker of aggressive localized prostate cancer. <i>Oncotarget</i> , 2018, 9, 6550-6561.   | 1.8  | 16        |
| 44 | Deep Sequencing of Urinary RNAs for Bladder Cancer Molecular Diagnostics. <i>Clinical Cancer Research</i> , 2017, 23, 3700-3710.   | 7.0  | 29        |
| 45 | The innate immune response in fetal lung mesenchymal cells targets VEGFR2 expression and activity. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2017, 312, L861-L872.                          | 2.9  | 4         |
| 46 | A Quiescent Bcl11b High Stem Cell Population Is Required for Maintenance of the Mammary Gland. <i>Cell Stem Cell</i> , 2017, 20, 247-260.e5.   | 11.1 | 86        |
| 47 | Identification of tumorigenic cells and therapeutic targets in pancreatic neuroendocrine tumors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 4464-4469.                    | 7.1  | 70        |
| 48 | Antibody Therapy Targeting CD47 and CD271 Effectively Suppresses Melanoma Metastasis in Patient-Derived Xenografts. <i>Cell Reports</i> , 2016, 16, 1701-1716.   | 6.4  | 56        |
| 49 | CD13 and ROR2 Permit Isolation of Highly Enriched Cardiac Mesoderm from Differentiating Human Embryonic Stem Cells. <i>Stem Cell Reports</i> , 2016, 6, 95-108.  | 4.8  | 30        |
| 50 | CDX2 as a Prognostic Biomarker in Colon Cancer. <i>New England Journal of Medicine</i> , 2016, 374, 2182-2184.   | 27.0 | 23        |
| 51 | CDX2 as a Prognostic Biomarker in Stage II and Stage III Colon Cancer. <i>New England Journal of Medicine</i> , 2016, 374, 211-222.  | 27.0 | 388       |
| 52 | Hoxb5 marks long-term haematopoietic stem cells and reveals a homogenous perivascular niche. <i>Nature</i> , 2016, 530, 223-227.   | 27.8 | 275       |
| 53 | Identification and Specification of the Mouse Skeletal Stem Cell. <i>Cell</i> , 2015, 160, 285-298.  | 28.9 | 571       |
| 54 | CD14-expressing cancer cells establish the inflammatory and proliferative tumor microenvironment in bladder cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 4725-4730. | 7.1  | 83        |

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|----|---|------|-----------|
| 55 | Endoscopic molecular imaging of human bladder cancer using a CD47 antibody. <i>Science Translational Medicine</i> , 2014, 6, 260ra148.  | 12.4 | 124       |
| 56 | A cell-intrinsic role for TLR2â€œMYD88 in intestinal and breast epithelia and oncogenesis. <i>Nature Cell Biology</i> , 2014, 16, 1238-1248.  | 10.3 | 106       |
| 57 | Hedgehog Signaling Restrains Bladder Cancer Progression by Eliciting Stromal Production of Urothelial Differentiation Factors. <i>Cancer Cell</i> , 2014, 26, 521-533.  | 16.8 | 164       |
| 58 | Discriminating cellular heterogeneity using microwell-based RNA cytometry. <i>Nature Communications</i> , 2014, 5, 3451.  | 12.8 | 49        |
| 59 | Clonal precursor of bone, cartilage, and hematopoietic niche stromal cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 12643-12648.                        | 7.1  | 116       |
| 60 | The Power of Boolean Implication Networks. <i>Frontiers in Physiology</i> , 2012, 3, 276.   | 2.8  | 14        |
| 61 | Three differentiation states risk-stratify bladder cancer into distinct subtypes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 2078-2083.                    | 7.1  | 232       |
| 62 | Gene Expression Commons: An Open Platform for Absolute Gene Expression Profiling. <i>PLoS ONE</i> , 2012, 7, e40321.  | 2.5  | 227       |
| 63 | Human bone marrow hematopoietic stem cells are increased in frequency and myeloid-biased with age. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 20012-20017. | 7.1  | 730       |
| 64 | Single-cell dissection of transcriptional heterogeneity in human colon tumors. <i>Nature Biotechnology</i> , 2011, 29, 1120-1127.   | 17.5 | 658       |
| 65 | MiDReG: A method of mining developmentally regulated genes using Boolean implications. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 5732-5737.               | 7.1  | 57        |
| 66 | Ly6d marks the earliest stage of B-cell specification and identifies the branchpoint between B-cell and T-cell development. <i>Genes and Development</i> , 2009, 23, 2376-2381.                                     | 5.9  | 254       |
| 67 | Boolean implication networks derived from large scale, whole genome microarray datasets. <i>Genome Biology</i> , 2008, 9, R157.   | 9.6  | 108       |
| 68 | Extracting binary signals from microarray time-course data. <i>Nucleic Acids Research</i> , 2007, 35, 3705-3712.  | 14.5 | 145       |
| 69 | Genome Wide Association Study of Pregnancy in Childhood Cancer Survivors: A Report from the Childhood Cancer Survivor Study. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 0, , .                          | 2.5  | 0         |
| 70 | <i>LiteCON</i> : An All-Photonic Neuromorphic Accelerator for Energy-efficient Deep Learning. <i>Transactions on Architecture and Code Optimization</i> , 0, , .  | 2.0  | 0         |