

# 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	Human bone marrow hematopoietic stem cells are increased in frequency and myeloid-biased with age. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 20012-20017.	7.1	730
2	Single-cell dissection of transcriptional heterogeneity in human colon tumors. Nature Biotechnology, 2011, 29, 1120-1127.	17.5	658
3	Identification and Specification of the Mouse Skeletal Stem Cell. Cell, 2015, 160, 285-298.	28.9	571
4	Identification of the Human Skeletal Stem Cell. Cell, 2018, 175, 43-56.e21.	28.9	425
5	CDX2 as a Prognostic Biomarker in Stage II and Stage III Colon Cancer. New England Journal of Medicine, 2016, 374, 211-222.	27.0	388
6	<i>Fusobacterium nucleatum</i> promotes colorectal cancer by inducing Wnt/ $\beta$ -catenin modulator Annexin A1. EMBO Reports, 2019, 20, .	4.5	283
7	Hoxb5 marks long-term haematopoietic stem cells and reveals a homogenous perivascular niche. Nature, 2016, 530, 223-227.	27.8	275
8	Ly6d marks the earliest stage of B-cell specification and identifies the branchpoint between B-cell and T-cell development. Genes and Development, 2009, 23, 2376-2381.	5.9	254
9	Three differentiation states risk-stratify bladder cancer into distinct subtypes. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 2078-2083.	7.1	232
10	Gene Expression Commons: An Open Platform for Absolute Gene Expression Profiling. PLoS ONE, 2012, 7, e40321.	2.5	227
11	Hedgehog Signaling Restrains Bladder Cancer Progression by Eliciting Stromal Production of Urothelial Differentiation Factors. Cancer Cell, 2014, 26, 521-533.	16.8	164
12	Extracting binary signals from microarray time-course data. Nucleic Acids Research, 2007, 35, 3705-3712.	14.5	145
13	Aged skeletal stem cells generate an inflammatory degenerative niche. Nature, 2021, 597, 256-262.	27.8	143
14	Endoscopic molecular imaging of human bladder cancer using a CD47 antibody. Science Translational Medicine, 2014, 6, 260ra148.	12.4	124
15	Clonal precursor of bone, cartilage, and hematopoietic niche stromal cells. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 12643-12648.	7.1	116
16	Boolean implication networks derived from large scale, whole genome microarray datasets. Genome Biology, 2008, 9, R157.	9.6	108
17	A cell-intrinsic role for TLR2-MYD88 in intestinal and breast epithelia and oncogenesis. Nature Cell Biology, 2014, 16, 1238-1248.	10.3	106
18	Analysis of cardiomyocyte clonal expansion during mouse heart development and injury. Nature Communications, 2018, 9, 754.	12.8	94

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19	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
20	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
21	Drug repurposing screens identify chemical entities for the development of COVID-19 interventions. <i>Nature Communications</i> , 2021, 12, 3309.	12.8	81
22	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
23	Adult stem cell-derived complete lung organoid models emulate lung disease in COVID-19. <i>ELife</i> , 2021, 10, .	6.0	64
24	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
25	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
26	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
27	miR-221 Targets OKI to Enhance the Tumorigenic Capacity of Human Colorectal Cancer Stem Cells. <i>Cancer Research</i> , 2019, 79, 5151-5158.	0.9	51
28	Discriminating cellular heterogeneity using microwell-based RNA cytometry. <i>Nature Communications</i> , 2014, 5, 3451.	12.8	49
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	AI-guided discovery of the invariant host response to viral pandemics. <i>EBioMedicine</i> , 2021, 68, 103390.	6.1	37
31	Artificial intelligence guided discovery of a barrier-protective therapy in inflammatory bowel disease. <i>Nature Communications</i> , 2021, 12, 4246.	12.8	37
32	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
33	Notch1 regulates the initiation of metastasis and self-renewal of Group 3 medulloblastoma. <i>Nature Communications</i> , 2018, 9, 4121.	12.8	36
34	E-cigarettes compromise the gut barrier and trigger inflammation. <i>IScience</i> , 2021, 24, 102035.	4.1	36
35	<i>Helicobacter pylori</i> 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
36	Immunosuppression of Macrophages Underlies the Cardioprotective Effects of CST (Catestatin). <i>Hypertension</i> , 2021, 77, 1670-1682.	2.7	31

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37	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
38	Deep Sequencing of Urinary RNAs for Bladder Cancer Molecular Diagnostics. <i>Clinical Cancer Research</i> , 2017, 23, 3700-3710.	7.0	29
39	Upregulation of CD47 Is a Host Checkpoint Response to Pathogen Recognition. <i>MBio</i> , 2020, 11, .	4.1	29
40	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
41	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
42	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
43	Non-coding and Coding Transcriptional Profiles Are Significantly Altered in Pediatric Retinoblastoma Tumors. <i>Frontiers in Oncology</i> , 2019, 9, 221.	2.8	27
44	High fat diet induces sex-specific differential gene expression in <i>Drosophila melanogaster</i> . <i>PLoS ONE</i> , 2019, 14, e0213474.	2.5	27
45	Computational Approach to Identifying Universal Macrophage Biomarkers. <i>Frontiers in Physiology</i> , 2020, 11, 275.	2.8	26
46	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
47	CDX2 as a Prognostic Biomarker in Colon Cancer. <i>New England Journal of Medicine</i> , 2016, 374, 2182-2184.	27.0	23
48	DDX5 promotes oncogene C3 and FABP1 expressions and drives intestinal inflammation and tumorigenesis. <i>Life Science Alliance</i> , 2020, 3, e202000772.	2.8	21
49	A zebrafish model of granulin deficiency reveals essential roles in myeloid cell differentiation. <i>Blood Advances</i> , 2021, 5, 796-811.	5.2	17
50	Boolean analysis identifies CD38 as a biomarker of aggressive localized prostate cancer. <i>Oncotarget</i> , 2018, 9, 6550-6561.	1.8	16
51	The Power of Boolean Implication Networks. <i>Frontiers in Physiology</i> , 2012, 3, 276.	2.8	14
52	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
53	Kindlin Interaction Is Required for Kindlin-Mediated Integrin Recognition and Activation. <i>IScience</i> , 2020, 23, 101209.	4.1	11
54	Primary Female Urethral Carcinoma. <i>American Journal of Surgical Pathology</i> , 2020, 44, 1591-1601.	3.7	11

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55	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
56	Hepatocyte Deletion of IGF2 Prevents DNA Damage and Tumor Formation in Hepatocellular Carcinoma. <i>Advanced Science</i> , 2022, 9, .	11.2	9
57	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
58	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
59	Identification of gene expression logical invariants in <i>Arabidopsis</i> . <i>Plant Direct</i> , 2019, 3, e00123.	1.9	7
60	GIV/Girdin, a non-receptor modulator for G $\beta$ i/s, regulates spatiotemporal signaling during sperm capacitation and is required for male fertility. <i>ELife</i> , 2021, 10, .	6.0	7
61	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
62	The G $\beta$ i-interacting vesicle-associated 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
63	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
64	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
65	GIV/Girdin and Exo70 Collaboratively Regulate the Mammalian Polarized Exocytic Machinery. <i>IScience</i> , 2020, 23, 101246.	4.1	3
66	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
67	Boolean implication analysis unveils candidate universal relationships in microbiome data. <i>BMC Bioinformatics</i> , 2021, 22, 49.	2.6	1
68	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
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