

Padhmanand Sudhakar

List of Publications by Year in descending order

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Version: 2024-02-01

49
papers

2,809
citations

393982

19
h-index

288905

40
g-index

60
all docs

60
docs citations

60
times ranked

6467
citing authors

#	ARTICLE	IF	CITATIONS
1	Signalink3: a multi-layered resource to uncover tissue-specific signaling networks. <i>Nucleic Acids Research</i> , 2022, 50, D701-D709.	6.5	19
2	Extracellular vesicles produced by the human commensal gut bacterium <i>Bacteroides thetaiotaomicron</i> affect host immune pathways in a cell-type specific manner that are altered in inflammatory bowel disease. <i>Journal of Extracellular Vesicles</i> , 2022, 11, e12189.	5.5	33
3	Tailoring Multi-omics to Inflammatory Bowel Diseases: All for One and One for All. <i>Journal of Crohn's and Colitis</i> , 2022, 16, 1306-1320.	0.6	11
4	Integrated analysis of microbe-host interactions in Crohn's disease reveals potential mechanisms of microbial proteins on host gene expression. <i>IScience</i> , 2022, 25, 103963.	1.9	7
5	Chloroquine and COVID-19: A systems biology model uncovers the drug's detrimental effect on autophagy and explains its failure. <i>PLoS ONE</i> , 2022, 17, e0266337.	1.1	3
6	A systems genomics approach to uncover patient-specific pathogenic pathways and proteins in ulcerative colitis. <i>Nature Communications</i> , 2022, 13, 2299.	5.8	9
7	Mapping the epithelial-immune cell interactome upon infection in the gut and the upper airways. <i>Npj Systems Biology and Applications</i> , 2022, 8, 15.	1.4	3
8	Microbiota, not host origin drives <i>ex vivo</i> intestinal epithelial responses. <i>Gut Microbes</i> , 2022, 14, .	4.3	8
9	Flaviviruses hijack the host microbiota to facilitate their transmission. <i>Cell</i> , 2022, 185, 2395-2397.	13.5	3
10	Organoid-based Models to Study the Role of Host-microbiota Interactions in IBD. <i>Journal of Crohn's and Colitis</i> , 2021, 15, 1222-1235.	0.6	40
11	Evolution of regulatory networks associated with traits under selection in cichlids. <i>Genome Biology</i> , 2021, 22, 25.	3.8	17
12	Viralink: An integrated workflow to investigate the effect of SARS-CoV-2 on intracellular signalling and regulatory pathways. <i>PLoS Computational Biology</i> , 2021, 17, e1008685.	1.5	11
13	SARS-CoV-2 Causes a Different Cytokine Response Compared to Other Cytokine Storm-Causing Respiratory Viruses in Severely Ill Patients. <i>Frontiers in Immunology</i> , 2021, 12, 629193.	2.2	91
14	Integrated intra- and intercellular signaling knowledge for multicellular omics analysis. <i>Molecular Systems Biology</i> , 2021, 17, e9923.	3.2	152
15	Computational Biology and Machine Learning Approaches to Understand Mechanistic Microbiome-Host Interactions. <i>Frontiers in Microbiology</i> , 2021, 12, 618856.	1.5	19
16	A handy meta-analysis tool for IBD research. <i>Nature Computational Science</i> , 2021, 1, 571-572.	3.8	3
17	Understanding the Molecular Drivers of Disease Heterogeneity in Crohn's Disease Using Multi-omic Data Integration and Network Analysis. <i>Inflammatory Bowel Diseases</i> , 2021, 27, 870-886.	0.9	24
18	Network Biology Approaches to Achieve Precision Medicine in Inflammatory Bowel Disease. <i>Frontiers in Genetics</i> , 2021, 12, 760501.	1.1	10

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19	MicrobioLink: An Integrated Computational Pipeline to Infer Functional Effects of Microbiome-Host Interactions. <i>Cells</i> , 2020, 9, 1278.	1.8	24
20	ULK1 and ULK2 are less redundant than previously thought: computational analysis uncovers distinct regulation and functions of these autophagy induction proteins. <i>Scientific Reports</i> , 2020, 10, 10940.	1.6	23
21	Big data in IBD: big progress for clinical practice. <i>Gut</i> , 2020, 69, 1520-1532.	6.1	121
22	Assessment of Ecosystem Services and Capabilities of Communities from different Scales and Niches - Implications on Sustainability Goals. <i>European Journal of Sustainable Development Research</i> , 2020, 4, .	0.4	0
23	Integrative analysis of Paneth cell proteomic and transcriptomic data from intestinal organoids reveals functional processes dependent on autophagy. <i>DMM Disease Models and Mechanisms</i> , 2019, 12, .	1.2	20
24	Targeted interplay between bacterial pathogens and host autophagy. <i>Autophagy</i> , 2019, 15, 1620-1633.	4.3	38
25	MDH1 and MPP7 Regulate Autophagy in Pancreatic Ductal Adenocarcinoma. <i>Cancer Research</i> , 2019, 79, 1884-1898.	0.4	20
26	Impacts of Reducing UK Beef Consumption Using a Revised Sustainable Diets Framework. <i>Sustainability</i> , 2019, 11, 6863.	1.6	2
27	Inclusive Engagement of Indigenous Communities in Scientific Research: Opportunities and Challenges. <i>European Journal of Sustainable Development Research</i> , 2019, 4, .	0.4	1
28	Network Biology Approaches to Identify Molecular and Systems-Level Differences Between Salmonella Pathovars. <i>Methods in Molecular Biology</i> , 2019, 1918, 265-273.	0.4	2
29	Signalink: Multilayered Regulatory Networks. <i>Methods in Molecular Biology</i> , 2018, 1819, 53-73.	0.4	17
30	What We Learned From Big Data for Autophagy Research. <i>Frontiers in Cell and Developmental Biology</i> , 2018, 6, 92.	1.8	12
31	Next generation of network medicine: interdisciplinary signaling approaches. <i>Integrative Biology (United Kingdom)</i> , 2017, 9, 97-108.	0.6	32
32	Neighbours of cancer-related proteins have key influence on pathogenesis and could increase the drug target space for anticancer therapies. <i>Npj Systems Biology and Applications</i> , 2017, 3, 2.	1.4	24
33	Omics Approaches to Identify Potential Biomarkers of Inflammatory Diseases in the Focal Adhesion Complex. <i>Genomics, Proteomics and Bioinformatics</i> , 2017, 15, 101-109.	3.0	10
34	SalmoNet, an integrated network of ten <i>Salmonella enterica</i> strains reveals common and distinct pathways to host adaptation. <i>Npj Systems Biology and Applications</i> , 2017, 3, 31.	1.4	28
35	OmniPath: guidelines and gateway for literature-curated signaling pathway resources. <i>Nature Methods</i> , 2016, 13, 966-967.	9.0	469
36	SignalFish: A Zebrafish-Specific Signaling Pathway Resource. <i>Zebrafish</i> , 2016, 13, 541-544.	0.5	8

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37	Autophagy Regulatory Network “ A systems-level bioinformatics resource for studying the mechanism and regulation of autophagy. <i>Autophagy</i> , 2015, 11, 155-165.	4.3	89
38	ComPPI: a cellular compartment-specific database for protein-protein interaction network analysis. <i>Nucleic Acids Research</i> , 2015, 43, D485-D493.	6.5	116
39	Essential O ₂ -responsive genes of <i>Pseudomonas aeruginosa</i> and their network revealed by integrating dynamic data from inverted conditions. <i>Integrative Biology (United Kingdom)</i> , 2014, 6, 215.	0.6	8
40	Construction and verification of the transcriptional regulatory response network of <i>Streptococcus mutans</i> upon treatment with the biofilm inhibitor carolacton. <i>BMC Genomics</i> , 2014, 15, 362.	1.2	14
41	Starvation-response may not involve Atg1-dependent autophagy induction in non-unikont parasites. <i>Scientific Reports</i> , 2014, 4, 5829.	1.6	18
42	Complex regulation of autophagy in cancer “ Integrated approaches to discover the networks that hold a double-edged sword. <i>Seminars in Cancer Biology</i> , 2013, 23, 252-261.	4.3	83
43	SignaLink 2 “ a signaling pathway resource with multi-layered regulatory networks. <i>BMC Systems Biology</i> , 2013, 7, 7.	3.0	169
44	Teaching the bioinformatics of signaling networks: an integrated approach to facilitate multi-disciplinary learning. <i>Briefings in Bioinformatics</i> , 2013, 14, 618-632.	3.2	15
45	Structure and dynamics of molecular networks: A novel paradigm of drug discovery. , 2013, 138, 333-408.		779
46	A genome-wide study of two-component signal transduction systems in eight newly sequenced mutants streptococci strains. <i>BMC Genomics</i> , 2012, 13, 128.	1.2	31
47	Network-Based Tools for the Identification of Novel Drug Targets Adapted from the opening presentation at the International Conference on Systems Biology of Human Disease (SBHD) in Boston, Massachusetts, 16 to 18 June 2010.. <i>Science Signaling</i> , 2011, 4, pt3.	1.6	64
48	Signalogs: Orthology-Based Identification of Novel Signaling Pathway Components in Three Metazoans. <i>PLoS ONE</i> , 2011, 6, e19240.	1.1	22
49	Uniformly curated signaling pathways reveal tissue-specific cross-talks and support drug target discovery. <i>Bioinformatics</i> , 2010, 26, 2042-2050.	1.8	72