

# Sriram Chandrasekaran

## List of Publications by Year in descending order

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Version: 2024-02-01

48  
papers

2,099  
citations

331670

21  
h-index

265206

42  
g-index

63  
all docs

63  
docs citations

63  
times ranked

3654  
citing authors

#	ARTICLE	IF	CITATIONS
1	Metabolic signatures of regulation by phosphorylation and acetylation. <i>IScience</i> , 2022, 25, 103730.	4.1	8
2	Machine learning to design antimicrobial combination therapies: Promises and pitfalls. <i>Drug Discovery Today</i> , 2022, 27, 1639-1651.	6.4	6
3	Lipid exposure activates gene expression changes associated with estrogen receptor negative breast cancer. <i>Npj Breast Cancer</i> , 2022, 8, 59.	5.2	4
4	Acetyl-CoA metabolism drives epigenome change and contributes to carcinogenesis risk in fatty liver disease. <i>Genome Medicine</i> , 2022, 14, .	8.2	12
5	A multi-scale pipeline linking drug transcriptomics with pharmacokinetics predicts in vivo interactions of tuberculosis drugs. <i>Scientific Reports</i> , 2021, 11, 5643.	3.3	15
6	Deep Learning for Reintegrating Biology. <i>Integrative and Comparative Biology</i> , 2021, , .	2.0	2
7	The Axes of Life: A Roadmap for Understanding Dynamic Multiscale Systems. <i>Integrative and Comparative Biology</i> , 2021, , .	2.0	3
8	The deacylase SIRT5 supports melanoma viability by influencing chromatin dynamics. <i>Journal of Clinical Investigation</i> , 2021, 131, .	8.2	23
9	Next-Generation Genome-Scale Metabolic Modeling through Integration of Regulatory Mechanisms. <i>Metabolites</i> , 2021, 11, 606.	2.9	18
10	Metabolic remodelling during early mouse embryo development. <i>Nature Metabolism</i> , 2021, 3, 1372-1384.	11.9	45
11	Metabolism, HDACs, and HDAC Inhibitors: A Systems Biology Perspective. <i>Metabolites</i> , 2021, 11, 792.	2.9	28
12	Dissecting Murine Muscle Stem Cell Aging through Regeneration Using Integrative Genomic Analysis. <i>Cell Reports</i> , 2020, 32, 107964.	6.4	49
13	Purine metabolism regulates DNA repair and therapy resistance in glioblastoma. <i>Nature Communications</i> , 2020, 11, 3811.	12.8	103
14	Brain $\alpha$ -Tocopherol Concentration and Stereoisomer Profile Alter Hippocampal Gene Expression in Weanling Mice. <i>Journal of Nutrition</i> , 2020, 150, 3075-3085.	2.9	6
15	Common biochemical properties of metabolic genes recurrently dysregulated in tumors. <i>Cancer &amp; Metabolism</i> , 2020, 8, 5.	5.0	9
16	Nutrient Sensing by Histone Marks: Reading the Metabolic Histone Code Using Tracing, Omics, and Modeling. <i>BioEssays</i> , 2020, 42, e2000083.	2.5	9
17	Tissue of origin dictates GOT1 dependence and confers synthetic lethality to radiotherapy. <i>Cancer &amp; Metabolism</i> , 2020, 8, 1.	5.0	34
18	Inferring Metabolic Flux from Time-Course Metabolomics. <i>Methods in Molecular Biology</i> , 2020, 2088, 299-313.	0.9	7

#	ARTICLE	IF	CITATIONS
19	Individual differences in honey bee behavior enabled by plasticity in brain gene regulatory networks. <i>ELife</i> , 2020, 9, .	6.0	27
20	Honey bee neurogenomic responses to affiliative and agonistic social interactions. <i>Genes, Brain and Behavior</i> , 2019, 18, e12509.	2.2	20
21	Cross-species systems analysis of evolutionary toolkits of neurogenomic response to social challenge. <i>Genes, Brain and Behavior</i> , 2019, 18, e12502.	2.2	30
22	Tying Metabolic Branches With Histone Tails Using Systems Biology. <i>Epigenetics Insights</i> , 2019, 12, 251686571986968.	2.0	1
23	Dynamic genome-scale cell-specific metabolic models reveal novel inter-cellular and intra-cellular metabolic communications during ovarian follicle development. <i>BMC Bioinformatics</i> , 2019, 20, 307.	2.6	13
24	Dynamic Network Modeling of Stem Cell Metabolism. <i>Methods in Molecular Biology</i> , 2019, 1975, 305-320.	0.9	21
25	Genome-scale network model of metabolism and histone acetylation reveals metabolic dependencies of histone deacetylase inhibitors. <i>Genome Biology</i> , 2019, 20, 49.	8.8	33
26	A Protocol for the Construction and Curation of Genome-Scale Integrated Metabolic and Regulatory Network Models. <i>Methods in Molecular Biology</i> , 2019, 1927, 203-214.	0.9	5
27	Transcriptomic Signatures Predict Regulators of Drug Synergy and Clinical Regimen Efficacy against Tuberculosis. <i>MBio</i> , 2019, 10, .	4.1	37
28	Predicting Drug Interactions From Chemogenomics Using INDIGO. <i>Methods in Molecular Biology</i> , 2019, 1888, 219-231.	0.9	3
29	Chemogenomic model identifies synergistic drug combinations robust to the pathogen microenvironment. <i>PLoS Computational Biology</i> , 2018, 14, e1006677.	3.2	31
30	Behavioral, transcriptomic and epigenetic responses to social challenge in honey bees. <i>Genes, Brain and Behavior</i> , 2017, 16, 579-591.	2.2	57
31	Transcriptional regulatory dynamics drive coordinated metabolic and neural response to social challenge in mice. <i>Genome Research</i> , 2017, 27, 959-972.	5.5	54
32	Granzyme B Disrupts Central Metabolism and Protein Synthesis in Bacteria to Promote an Immune Cell Death Program. <i>Cell</i> , 2017, 171, 1125-1137.e11.	28.9	56
33	Comprehensive Mapping of Pluripotent Stem Cell Metabolism Using Dynamic Genome-Scale Network Modeling. <i>Cell Reports</i> , 2017, 21, 2965-2977.	6.4	61
34	Temporal dynamics of neurogenomic plasticity in response to social interactions in male threespined sticklebacks. <i>PLoS Genetics</i> , 2017, 13, e1006840.	3.5	52
35	Chemogenomics and orthology-based design of antibiotic combination therapies. <i>Molecular Systems Biology</i> , 2016, 12, 872.	7.2	96
36	LIN28 Regulates Stem Cell Metabolism and Conversion to Primed Pluripotency. <i>Cell Stem Cell</i> , 2016, 19, 66-80.	11.1	278

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37	Structure and function of gene regulatory networks associated with worker sterility in honeybees. <i>Ecology and Evolution</i> , 2016, 6, 1692-1701.	1.9	12
38	Aggression is associated with aerobic glycolysis in the honey bee brain. <i>Genes, Brain and Behavior</i> , 2015, 14, 158-166.	2.2	59
39	Predicting Phenotype from Genotype Through Reconstruction and Integrative Modeling of Metabolic and Regulatory Networks. , 2014, , 307-325.		2
40	A system-level model for the microbial regulatory genome. <i>Molecular Systems Biology</i> , 2014, 10, 740.	7.2	64
41	On the automatic generation of the minimally restrictive liveness enforcing supervisory policy for manufacturing- and service-systems modeled by a class of general Free Choice Petri nets. , 2013, , .		3
42	A Guide to Integrating Transcriptional Regulatory and Metabolic Networks Using PROM (Probabilistic) Tj ETQq0 0 0 rgBT /Overlock 10 T	0.9	13
43	Metabolic Constraint-Based Refinement of Transcriptional Regulatory Networks. <i>PLoS Computational Biology</i> , 2013, 9, e1003370.	3.2	31
44	Molecular signatures from omics data: From chaos to consensus. <i>Biotechnology Journal</i> , 2012, 7, 946-957.	3.5	101
45	Behavior-specific changes in transcriptional modules lead to distinct and predictable neurogenomic states. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 18020-18025.	7.1	156
46	Probabilistic integrative modeling of genome-scale metabolic and regulatory networks in <i>Escherichia coli</i> and <i>Mycobacterium tuberculosis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 17845-17850.	7.1	378
47	Systems biology of embryogenesis. <i>Reproduction, Fertility and Development</i> , 2010, 22, 98.	0.4	10
48	An experimental investigation of flow parameters inside a spherical swirl pre-chamber of a diesel engine under motoring condition. <i>Experiments in Fluids</i> , 1998, 24, 462-469.	2.4	1