

# Santosh Chauhan

## List of Publications by Year in descending order

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Version: 2024-02-01

41  
papers

7,578  
citations

279487

23  
h-index

301761

39  
g-index

42  
all docs

42  
docs citations

42  
times ranked

17465  
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	4.3	4,701
2	Secretory autophagy. <i>Current Opinion in Cell Biology</i> , 2015, 35, 106-116.	2.6	378
3	TRIMs and Galectins Globally Cooperate and TRIM16 and Galectin-3 Co-direct Autophagy in Endomembrane Damage Homeostasis. <i>Developmental Cell</i> , 2016, 39, 13-27.	3.1	339
4	TRIM Proteins Regulate Autophagy and Can Target Autophagic Substrates by Direct Recognition. <i>Developmental Cell</i> , 2014, 30, 394-409.	3.1	269
5	ZKSCAN3 Is a Master Transcriptional Repressor of Autophagy. <i>Molecular Cell</i> , 2013, 50, 16-28.	4.5	224
6	Neutral Lipid Stores and Lipase PNPLA5 Contribute to Autophagosome Biogenesis. <i>Current Biology</i> , 2014, 24, 609-620.	1.8	213
7	IRGM Governs the Core Autophagy Machinery to Conduct Antimicrobial Defense. <i>Molecular Cell</i> , 2015, 58, 507-521.	4.5	191
8	The Crohn's Disease Risk Factor IRGM Limits NLRP3 Inflammasome Activation by Impeding Its Assembly and by Mediating Its Selective Autophagy. <i>Molecular Cell</i> , 2019, 73, 429-445.e7.	4.5	145
9	Immunologic manifestations of autophagy. <i>Journal of Clinical Investigation</i> , 2015, 125, 75-84.	3.9	135
10	Pharmaceutical screen identifies novel target processes for activation of autophagy with a broad translational potential. <i>Nature Communications</i> , 2015, 6, 8620.	5.8	130
11	Autophagy as an immune effector against tuberculosis. <i>Current Opinion in Microbiology</i> , 2013, 16, 355-365.	2.3	101
12	TRIM16 controls assembly and degradation of protein aggregates by modulating the p62-NRF2 axis and autophagy. <i>EMBO Journal</i> , 2018, 37, .	3.5	84
13	Cooperative Binding of Phosphorylated DevR to Upstream Sites Is Necessary and Sufficient for Activation of the Rv3134c- <i>devRS</i> Operon in <i>Mycobacterium tuberculosis</i> : Implication in the Induction of DevR Target Genes. <i>Journal of Bacteriology</i> , 2008, 190, 4301-4312.	1.0	76
14	Comprehensive insights into <i>Mycobacterium tuberculosis</i> DevR (DosR) regulon activation switch. <i>Nucleic Acids Research</i> , 2011, 39, 7400-7414.	6.5	64
15	Transcription and autoregulation of the Rv3134c-devR-devS operon of <i>Mycobacterium tuberculosis</i> . <i>Microbiology (United Kingdom)</i> , 2005, 151, 4045-4053.	0.7	60
16	Autoimmunity gene <i>IRGM</i> suppresses <i>cGAS</i> and <i>STING</i> and <i>RIG</i> signaling to control interferon response. <i>EMBO Reports</i> , 2020, 21, e50051.	2.0	48
17	Galectins and TRIMs directly interact and orchestrate autophagic response to endomembrane damage. <i>Autophagy</i> , 2017, 13, 1086-1087.	4.3	40
18	Mechanism of action of the tuberculosis and Crohn disease risk factor IRGM in autophagy. <i>Autophagy</i> , 2016, 12, 429-431.	4.3	36

#	ARTICLE	IF	CITATIONS
19	Interaction of DevR with Multiple Binding Sites Synergistically Activates Divergent Transcription of narK2 -Rv1738 Genes in Mycobacterium tuberculosis. Journal of Bacteriology, 2008, 190, 5394-5403.	1.0	35
20	IRGM restrains NLRP3 inflammasome activation by mediating its SQSTM1/p62-dependent selective autophagy. Autophagy, 2019, 15, 1645-1647.	4.3	32
21	Powerful Induction of Divergent tgs1- Rv3131 Genes in Mycobacterium tuberculosis Is Mediated by DevR Interaction with a High-Affinity Site and an Adjacent Cryptic Low-Affinity Site. Journal of Bacteriology, 2009, 191, 6075-6081.	1.0	30
22	CmtR, a cadmium-sensing ArsR-SmtB repressor, cooperatively interacts with multiple operator sites to autorepress its transcription in Mycobacterium tuberculosis. FEBS Journal, 2009, 276, 3428-3439.	2.2	28
23	Determinants Outside the DevR C-Terminal Domain Are Essential for Cooperativity and Robust Activation of Dormancy Genes in Mycobacterium tuberculosis. PLoS ONE, 2011, 6, e16500.	1.1	24
24	TRIM16 governs the biogenesis and disposal of stress-induced protein aggregates to evade cytotoxicity: implication for neurodegeneration and cancer. Autophagy, 2019, 15, 924-926.	4.3	24
25	Transcriptomic Analysis Identifies RNA Binding Proteins as Putative Regulators of Myelopoiesis and Leukemia. Frontiers in Oncology, 2019, 9, 692.	1.3	18
26	IRGM links autoimmunity to autophagy. Autophagy, 2021, 17, 578-580.	4.3	18
27	Regulation of u-PAR gene expression by H2A.Z is modulated by the MEK-ERK/AP-1 pathway. Nucleic Acids Research, 2012, 40, 600-613.	6.5	17
28	Inhibition of IRGM establishes a robust antiviral immune state to restrict pathogenic viruses. EMBO Reports, 2021, 22, e52948.	2.0	17
29	A single-nucleotide mutation in the -10 promoter region inactivates the narK2X promoter in Mycobacterium bovis and Mycobacterium bovis BCG and has an application in diagnosis. FEMS Microbiology Letters, 2010, 303, 190-196.	0.7	16
30	Co-Expression of DevR and DevRN-Aph Proteins Is Associated with Hypoxic Adaptation Defect and Virulence Attenuation of Mycobacterium tuberculosis. PLoS ONE, 2010, 5, e9448.	1.1	16
31	RNA-Binding RING E3-Ligase DZIP3/hRUL138 Stabilizes Cyclin D1 to Drive Cell-Cycle and Cancer Progression. Cancer Research, 2021, 81, 315-331.	0.4	14
32	K182G substitution in DevR or C <sub>8</sub> G mutation in the Dev box impairs protein-DNA interaction and abrogates DevR-mediated gene induction in Mycobacterium tuberculosis. FEBS Journal, 2011, 278, 2131-2139.	2.2	9
33	Innate immunity and Inflammophagy: Balancing the Defence and Immune Homeostasis. FEBS Journal, 2021, , .	2.2	9
34	Unravelling the potential of gut microbiota in sustaining brain health and their current prospective towards development of neurotherapeutics. Archives of Microbiology, 2021, 203, 2895-2910.	1.0	8
35	TRIM16 controls turnover of protein aggregates by modulating NRF2, ubiquitin system, and autophagy: implication for tumorigenesis. Molecular and Cellular Oncology, 2018, 5, e1532251.	0.3	7
36	TRIM16 employs NRF2, ubiquitin system and autophagy for safe disposal of stress-induced misfolded proteins. Cell Stress, 2018, 2, 365-367.	1.4	6

#	ARTICLE	IF	CITATIONS
37	Recent Advances Towards Diagnosis and Therapeutic Fingerprinting for Alzheimer's Disease. Journal of Molecular Neuroscience, 2022, , 1.	1.1	6
38	Analysis of transcription at the oriC locus in Mycobacterium tuberculosis. Microbiological Research, 2011, 166, 508-514.	2.5	4
39	SMARCD1 negatively regulates myeloid differentiation of leukemic cells via epigenetic mechanisms. Blood Advances, 2022, 6, 3106-3113.	2.5	3
40	Accelerated urokinase-receptor protein turnover triggered by interference with the addition of the glycolipid anchor. Biochemical Journal, 2011, 434, 233-242.	1.7	2
41	Selectivity and trafficking of autophagic cargoes. , 2022, , 39-56.		1