

Tariq M Rana

List of Publications by Year in descending order

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Version: 2024-02-01

63
papers

8,262
citations

76326

40
h-index

118850

62
g-index

65
all docs

65
docs citations

65
times ranked

13475
citing authors

#	ARTICLE	IF	CITATIONS
1	Virologic and Immunologic Characterization of Coronavirus Disease 2019 Recrudescence After Nirmatrelvir/Ritonavir Treatment. <i>Clinical Infectious Diseases</i> , 2023, 76, e530-e532.	5.8	45
2	Discovery and Mechanism of SARS-CoV-2 Main Protease Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2022, 65, 2866-2879.	6.4	59
3	Detection of N6-methyladenosine in SARS-CoV-2 RNA by methylated RNA immunoprecipitation sequencing. <i>STAR Protocols</i> , 2022, 3, 101067.	1.2	1
4	Regulation of antiviral innate immunity by chemical modification of viral RNA. <i>Wiley Interdisciplinary Reviews RNA</i> , 2022, 13, e1720.	6.4	24
5	Glial cell diversity and methamphetamine-induced neuroinflammation in human cerebral organoids. <i>Molecular Psychiatry</i> , 2021, 26, 1194-1207.	7.9	68
6	Rapid 3D Bioprinting of Glioblastoma Model Mimicking Native Biophysical Heterogeneity. <i>Small</i> , 2021, 17, e2006050.	10.0	55
7	m ⁶ A-RNA Demethylase FTO Inhibitors Impair Self-Renewal in Glioblastoma Stem Cells. <i>ACS Chemical Biology</i> , 2021, 16, 324-333.	3.4	98
8	Revealing Tissue-Specific SARS-CoV-2 Infection and Host Responses using Human Stem Cell-Derived Lung and Cerebral Organoids. <i>Stem Cell Reports</i> , 2021, 16, 437-445.	4.8	92
9	Cellular diversity of human cerebral organoids revealed by single cell RNA-seq. <i>Molecular Psychiatry</i> , 2021, 26, 1043-1043.	7.9	0
10	METTL3 regulates viral m6A RNA modification and host cell innate immune responses during SARS-CoV-2 infection. <i>Cell Reports</i> , 2021, 35, 109091.	6.4	124
11	HIV reprograms host m6Am RNA methylome by viral Vpr protein-mediated degradation of PCIF1. <i>Nature Communications</i> , 2021, 12, 5543.	12.8	24
12	m ⁶ A RNA methyltransferases METTL3/14 regulate immune responses to anti-PD-1 therapy. <i>EMBO Journal</i> , 2020, 39, e104514.	7.8	229
13	Zika virus depletes neural stem cells and evades selective autophagy by suppressing the Fanconi anemia protein FANCC. <i>EMBO Reports</i> , 2020, 21, e49183.	4.5	17
14	Cholesterol 25-Hydroxylase inhibits SARS-CoV-2 and other coronaviruses by depleting membrane cholesterol. <i>EMBO Journal</i> , 2020, 39, e106057.	7.8	203
15	ALKBH5 regulates anti-PD-1 therapy response by modulating lactate and suppressive immune cell accumulation in tumor microenvironment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 20159-20170.	7.1	329
16	An atlas of immune cell exhaustion in HIV-infected individuals revealed by single-cell transcriptomics. <i>Emerging Microbes and Infections</i> , 2020, 9, 2333-2347.	6.5	48
17	Integrin α 25 Internalizes Zika Virus during Neural Stem Cells Infection and Provides a Promising Target for Antiviral Therapy. <i>Cell Reports</i> , 2020, 30, 969-983.e4.	6.4	63
18	Optimizing sequencing protocols for leaderboard metagenomics by combining long and short reads. <i>Genome Biology</i> , 2019, 20, 226.	8.8	47

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19	The Long Noncoding RNA <i>HEAL</i> Regulates HIV-1 Replication through Epigenetic Regulation of the HIV-1 Promoter. <i>MBio</i> , 2019, 10, .	4.1	49
20	Genome-wide Integrative Analysis of Zika-Virus-Infected Neuronal Stem Cells Reveals Roles for MicroRNAs in Cell Cycle and Stemness. <i>Cell Reports</i> , 2019, 27, 3618-3628.e5.	6.4	50
21	HIV-1 Escape from Small-Molecule Antagonism of Vif. <i>MBio</i> , 2019, 10, .	4.1	8
22	The long noncoding <i>ROCK1</i> <i>RNA</i> regulates inflammatory gene expression. <i>EMBO Journal</i> , 2019, 38, .	7.8	76
23	Profiling of N6-Methyladenosine in Zika Virus RNA and Host Cellular mRNA. <i>Methods in Molecular Biology</i> , 2019, 1870, 209-218.	0.9	9
24	Lipoprotein lipase regulates hematopoietic stem progenitor cell maintenance through DHA supply. <i>Nature Communications</i> , 2018, 9, 1310.	12.8	22
25	Next-Generation Sequencing of Genome-Wide CRISPR Screens. <i>Methods in Molecular Biology</i> , 2018, 1712, 203-216.	0.9	36
26	Zika virus infection reprograms global transcription of host cells to allow sustained infection. <i>Emerging Microbes and Infections</i> , 2017, 6, 1-10.	6.5	58
27	Genome-Wide CRISPR Screen for Essential Cell Growth Mediators in Mutant KRAS Colorectal Cancers. <i>Cancer Research</i> , 2017, 77, 6330-6339.	0.9	99
28	miR-34 Modulates Innate Immunity and Ecdysone Signaling in <i>Drosophila</i> . <i>PLoS Pathogens</i> , 2016, 12, e1006034.	4.7	66
29	Identification of novel genes and networks governing hematopoietic stem cell development. <i>EMBO Reports</i> , 2016, 17, 1814-1828.	4.5	11
30	Synthesis of Eupalinilide E, a Promoter of Human Hematopoietic Stem and Progenitor Cell Expansion. <i>Journal of the American Chemical Society</i> , 2016, 138, 6068-6073.	13.7	31
31	Zika Virus Depletes Neural Progenitors in Human Cerebral Organoids through Activation of the Innate Immune Receptor TLR3. <i>Cell Stem Cell</i> , 2016, 19, 258-265.	11.1	629
32	miR-1298 Inhibits Mutant KRAS-Driven Tumor Growth by Repressing FAK and LAMB3. <i>Cancer Research</i> , 2016, 76, 5777-5787.	0.9	44
33	1,2,3-Triazoles as Amide Bioisosteres: Discovery of a New Class of Potent HIV-1 Vif Antagonists. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 7677-7682.	6.4	156
34	Dynamics of the human and viral m6A RNA methylomes during HIV-1 infection of T cells. <i>Nature Microbiology</i> , 2016, 1, 16011.	13.3	373
35	A Herpesvirus Protein Selectively Inhibits Cellular mRNA Nuclear Export. <i>Cell Host and Microbe</i> , 2016, 20, 642-653.	11.0	40
36	Polycomb Group Protein Pcgf6 Acts as a Master Regulator to Maintain Embryonic Stem Cell Identity. <i>Scientific Reports</i> , 2016, 6, 26899.	3.3	28

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37	Dynamics of Human and Viral RNA Methylation during Zika Virus Infection. <i>Cell Host and Microbe</i> , 2016, 20, 666-673.	11.0	318
38	P-TEFb regulation of transcription termination factor Xrn2 revealed by a chemical genetic screen for Cdk9 substrates. <i>Genes and Development</i> , 2016, 30, 117-131.	5.9	105
39	Enhancing Induced Pluripotent Stem Cell Generation by MicroRNA. <i>Methods in Molecular Biology</i> , 2015, 1357, 71-84.	0.9	6
40	Haunting the HOXA Locus: Two Faces of lncRNA Regulation. <i>Cell Stem Cell</i> , 2015, 16, 449-450.	11.1	4
41	Preparation of novel curdlan nanoparticles for intracellular siRNA delivery. <i>Carbohydrate Polymers</i> , 2015, 117, 324-330.	10.2	61
42	Therapeutic targeting of polo-like kinase 1 using RNA-interfering nanoparticles (iNOPs) for the treatment of non-small cell lung cancer. <i>Oncotarget</i> , 2015, 6, 12020-12034.	1.8	51
43	MicroRNA-mediated regulation of extracellular matrix formation modulates somatic cell reprogramming. <i>Rna</i> , 2014, 20, 1900-1915.	3.5	23
44	Decoding the noncoding: Prospective of lncRNA-mediated innate immune regulation. <i>RNA Biology</i> , 2014, 11, 979-985.	3.1	40
45	An Evolutionarily Conserved Long Noncoding RNA TUNA Controls Pluripotency and Neural Lineage Commitment. <i>Molecular Cell</i> , 2014, 53, 1005-1019.	9.7	364
46	Kinome-wide Functional Analysis Highlights the Role of Cytoskeletal Remodeling in Somatic Cell Reprogramming. <i>Cell Stem Cell</i> , 2014, 14, 523-534.	11.1	62
47	The long noncoding RNA <i>THRIL</i> regulates TNF α expression through its interaction with hnRNPL. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 1002-1007.	7.1	545
48	Therapeutic targeting of microRNAs: current status and future challenges. <i>Nature Reviews Drug Discovery</i> , 2014, 13, 622-638.	46.4	874
49	Genome-wide Functional Analysis Reveals Factors Needed at the Transition Steps of Induced Reprogramming. <i>Cell Reports</i> , 2014, 8, 327-337.	6.4	63
50	Learning the molecular mechanisms of the reprogramming factors: let's start from microRNAs. <i>Molecular BioSystems</i> , 2013, 9, 10-17.	2.9	31
51	Staged miRNA re-regulation patterns during reprogramming. <i>Genome Biology</i> , 2013, 14, R149.	9.6	13
52	A kinase inhibitor screen identifies small-molecule enhancers of reprogramming and iPS cell generation. <i>Nature Communications</i> , 2012, 3, 1085.	12.8	88
53	SAR and Lead Optimization of an HIV-1 Vif-APOBEC3G Axis Inhibitor. <i>ACS Medicinal Chemistry Letters</i> , 2012, 3, 465-469.	2.8	26
54	miRâ€TRAP: A Benchtop Chemical Biology Strategy to Identify microRNA Targets. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 5880-5883.	13.8	48

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55	Molecular Mechanisms of RNA-Triggered Gene Silencing Machineries. Accounts of Chemical Research, 2012, 45, 1122-1131.	15.6	76
56	Small RNA-mediated regulation of iPS cell generation. EMBO Journal, 2011, 30, 823-834.	7.8	281
57	Discovery of Nonsteroidal Anti-Inflammatory Drug and Anticancer Drug Enhancing Reprogramming and Induced Pluripotent Stem Cell Generation. Stem Cells, 2011, 29, 1528-1536.	3.2	54
58	microRNAs modulate iPS cell generation. Rna, 2011, 17, 1451-1460.	3.5	114
59	Small RNAs: Regulators and guardians of the genome. Journal of Cellular Physiology, 2007, 213, 412-419.	4.1	159
60	Illuminating the silence: understanding the structure and function of small RNAs. Nature Reviews Molecular Cell Biology, 2007, 8, 23-36.	37.0	931
61	Translation Repression in Human Cells by MicroRNA-Induced Gene Silencing Requires RCK/p54. PLoS Biology, 2006, 4, e210.	5.6	445
62	TAR RNA loop: A scaffold for the assembly of a regulatory switch in HIV replication. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 7928-7933.	7.1	81
63	Tat-associated Kinase (P-TEFb): a Component of Transcription Preinitiation and Elongation Complexes. Journal of Biological Chemistry, 1999, 274, 7399-7404.	3.4	85