

Tariq M Rana

List of Publications by Year in descending order

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Version: 2024-02-01

63
papers

8,262
citations

76196

40
h-index

118652

62
g-index

65
all docs

65
docs citations

65
times ranked

13475
citing authors

#	ARTICLE	IF	CITATIONS
1	Illuminating the silence: understanding the structure and function of small RNAs. <i>Nature Reviews Molecular Cell Biology</i> , 2007, 8, 23-36.	16.1	931
2	Therapeutic targeting of microRNAs: current status and future challenges. <i>Nature Reviews Drug Discovery</i> , 2014, 13, 622-638.	21.5	874
3	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.	5.2	629
4	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.	3.3	545
5	Translation Repression in Human Cells by MicroRNA-Induced Gene Silencing Requires RCK/p54. <i>PLoS Biology</i> , 2006, 4, e210.	2.6	445
6	Dynamics of the human and viral m6A RNA methylomes during HIV-1 infection of T cells. <i>Nature Microbiology</i> , 2016, 1, 16011.	5.9	373
7	An Evolutionarily Conserved Long Noncoding RNA TUNA Controls Pluripotency and Neural Lineage Commitment. <i>Molecular Cell</i> , 2014, 53, 1005-1019.	4.5	364
8	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.	3.3	329
9	Dynamics of Human and Viral RNA Methylation during Zika Virus Infection. <i>Cell Host and Microbe</i> , 2016, 20, 666-673.	5.1	318
10	Small RNA-mediated regulation of iPS cell generation. <i>EMBO Journal</i> , 2011, 30, 823-834.	3.5	281
11	m ⁶ A RNA methyltransferases METTL3/14 regulate immune responses to anti-PD-1 therapy. <i>EMBO Journal</i> , 2020, 39, e104514.	3.5	229
12	Cholesterol 25-Hydroxylase inhibits SARS-CoV-2 and other coronaviruses by depleting membrane cholesterol. <i>EMBO Journal</i> , 2020, 39, e106057.	3.5	203
13	Small RNAs: Regulators and guardians of the genome. <i>Journal of Cellular Physiology</i> , 2007, 213, 412-419.	2.0	159
14	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.	2.9	156
15	METTL3 regulates viral m6A RNA modification and host cell innate immune responses during SARS-CoV-2 infection. <i>Cell Reports</i> , 2021, 35, 109091.	2.9	124
16	microRNAs modulate iPS cell generation. <i>Rna</i> , 2011, 17, 1451-1460.	1.6	114
17	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.	2.7	105
18	Genome-Wide CRISPR Screen for Essential Cell Growth Mediators in Mutant KRAS Colorectal Cancers. <i>Cancer Research</i> , 2017, 77, 6330-6339.	0.4	99

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19	m ⁶ A-RNA Demethylase FTO Inhibitors Impair Self-Renewal in Glioblastoma Stem Cells. ACS Chemical Biology, 2021, 16, 324-333.	1.6	98
20	Revealing Tissue-Specific SARS-CoV-2 Infection and Host Responses using Human Stem Cell-Derived Lung and Cerebral Organoids. Stem Cell Reports, 2021, 16, 437-445.	2.3	92
21	A kinase inhibitor screen identifies small-molecule enhancers of reprogramming and iPS cell generation. Nature Communications, 2012, 3, 1085.	5.8	88
22	Tat-associated Kinase (P-TEFb): a Component of Transcription Preinitiation and Elongation Complexes. Journal of Biological Chemistry, 1999, 274, 7399-7404.	1.6	85
23	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.	3.3	81
24	Molecular Mechanisms of RNA-Triggered Gene Silencing Machineries. Accounts of Chemical Research, 2012, 45, 1122-1131.	7.6	76
25	The long noncoding RNA <i>ROCK1</i> regulates inflammatory gene expression. EMBO Journal, 2019, 38, .	3.5	76
26	Glial cell diversity and methamphetamine-induced neuroinflammation in human cerebral organoids. Molecular Psychiatry, 2021, 26, 1194-1207.	4.1	68
27	miR-34 Modulates Innate Immunity and Ecdysone Signaling in Drosophila. PLoS Pathogens, 2016, 12, e1006034.	2.1	66
28	Genome-wide Functional Analysis Reveals Factors Needed at the Transition Steps of Induced Reprogramming. Cell Reports, 2014, 8, 327-337.	2.9	63
29	Integrin α _v β ₂₅ Internalizes Zika Virus during Neural Stem Cells Infection and Provides a Promising Target for Antiviral Therapy. Cell Reports, 2020, 30, 969-983.e4.	2.9	63
30	Kinome-wide Functional Analysis Highlights the Role of Cytoskeletal Remodeling in Somatic Cell Reprogramming. Cell Stem Cell, 2014, 14, 523-534.	5.2	62
31	Preparation of novel curdlan nanoparticles for intracellular siRNA delivery. Carbohydrate Polymers, 2015, 117, 324-330.	5.1	61
32	Discovery and Mechanism of SARS-CoV-2 Main Protease Inhibitors. Journal of Medicinal Chemistry, 2022, 65, 2866-2879.	2.9	59
33	Zika virus infection reprograms global transcription of host cells to allow sustained infection. Emerging Microbes and Infections, 2017, 6, 1-10.	3.0	58
34	Rapid 3D Bioprinting of Glioblastoma Model Mimicking Native Biophysical Heterogeneity. Small, 2021, 17, e2006050.	5.2	55
35	Discovery of Nonsteroidal Anti-Inflammatory Drug and Anticancer Drug Enhancing Reprogramming and Induced Pluripotent Stem Cell Generation. Stem Cells, 2011, 29, 1528-1536.	1.4	54
36	Therapeutic targeting of polo-like kinase 1 using RNA-interfering nanoparticles (iNOPS) for the treatment of non-small cell lung cancer. Oncotarget, 2015, 6, 12020-12034.	0.8	51

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37	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.	2.9	50
38	The Long Noncoding RNA <i>HEAL</i> Regulates HIV-1 Replication through Epigenetic Regulation of the HIV-1 Promoter. <i>MBio</i> , 2019, 10, .	1.8	49
39	miRâ€TRAP: A Benchtop Chemical Biology Strategy to Identify microRNA Targets. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 5880-5883.	7.2	48
40	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.	3.0	48
41	Optimizing sequencing protocols for leaderboard metagenomics by combining long and short reads. <i>Genome Biology</i> , 2019, 20, 226.	3.8	47
42	Virologic and Immunologic Characterization of Coronavirus Disease 2019 Recrudescence After Nirmatrelvir/Ritonavir Treatment. <i>Clinical Infectious Diseases</i> , 2023, 76, e530-e532.	2.9	45
43	miR-1298 Inhibits Mutant KRAS-Driven Tumor Growth by Repressing FAK and LAMB3. <i>Cancer Research</i> , 2016, 76, 5777-5787.	0.4	44
44	Decoding the noncoding: Prospective of lncRNA-mediated innate immune regulation. <i>RNA Biology</i> , 2014, 11, 979-985.	1.5	40
45	A Herpesvirus Protein Selectively Inhibits Cellular mRNA Nuclear Export. <i>Cell Host and Microbe</i> , 2016, 20, 642-653.	5.1	40
46	Next-Generation Sequencing of Genome-Wide CRISPR Screens. <i>Methods in Molecular Biology</i> , 2018, 1712, 203-216.	0.4	36
47	Learning the molecular mechanisms of the reprogramming factors: let's start from microRNAs. <i>Molecular BioSystems</i> , 2013, 9, 10-17.	2.9	31
48	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.	6.6	31
49	Polycomb Group Protein Pcgf6 Acts as a Master Regulator to Maintain Embryonic Stem Cell Identity. <i>Scientific Reports</i> , 2016, 6, 26899.	1.6	28
50	SAR and Lead Optimization of an HIV-1 Vif-APOBEC3G Axis Inhibitor. <i>ACS Medicinal Chemistry Letters</i> , 2012, 3, 465-469.	1.3	26
51	HIV reprograms host m6Am RNA methylome by viral Vpr protein-mediated degradation of PCIF1. <i>Nature Communications</i> , 2021, 12, 5543.	5.8	24
52	Regulation of antiviral innate immunity by chemical modification of viral <i>RNA</i> . <i>Wiley Interdisciplinary Reviews RNA</i> , 2022, 13, e1720.	3.2	24
53	MicroRNA-mediated regulation of extracellular matrix formation modulates somatic cell reprogramming. <i>Rna</i> , 2014, 20, 1900-1915.	1.6	23
54	Lipoprotein lipase regulates hematopoietic stem progenitor cell maintenance through DHA supply. <i>Nature Communications</i> , 2018, 9, 1310.	5.8	22

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55	Zika virus depletes neural stem cells and evades selective autophagy by suppressing the Fanconi anemia protein <scp>FANCC</scp>. EMBO Reports, 2020, 21, e49183.	2.0	17
56	Staged miRNA re-regulation patterns during reprogramming. Genome Biology, 2013, 14, R149.	13.9	13
57	Identification of novel genes and networks governing hematopoietic stem cell development. EMBO Reports, 2016, 17, 1814-1828.	2.0	11
58	Profiling of N6-Methyladenosine in Zika Virus RNA and Host Cellular mRNA. Methods in Molecular Biology, 2019, 1870, 209-218.	0.4	9
59	HIV-1 Escape from Small-Molecule Antagonism of Vif. MBio, 2019, 10, .	1.8	8
60	Enhancing Induced Pluripotent Stem Cell Generation by MicroRNA. Methods in Molecular Biology, 2015, 1357, 71-84.	0.4	6
61	Haunting the HOXA Locus: Two Faces of lncRNA Regulation. Cell Stem Cell, 2015, 16, 449-450.	5.2	4
62	Detection of N6-methyladenosine in SARS-CoV-2 RNA by methylated RNA immunoprecipitation sequencing. STAR Protocols, 2022, 3, 101067.	0.5	1
63	Cellular diversity of human cerebral organoids revealed by single cell RNA-seq. Molecular Psychiatry, 2021, 26, 1043-1043.	4.1	0