

# Xu Tan

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

5,230  
citations

430874

18  
h-index

477307

29  
g-index

31  
all docs

31  
docs citations

31  
times ranked

7711  
citing authors

#	ARTICLE	IF	CITATIONS
1	Gain-of-function genetic screening identifies the antiviral function of TMEM120A via STING activation. <i>Nature Communications</i> , 2022, 13, 105.	12.8	17
2	Loss of m6A Methyltransferase METTL5 Promotes Cardiac Hypertrophy Through Epitranscriptomic Control of SUZ12 Expression. <i>Frontiers in Cardiovascular Medicine</i> , 2022, 9, 852775.	2.4	10
3	The curious case of TMEM120A: Mechanosensor, fat regulator, or antiviral defender?. <i>BioEssays</i> , 2022, 44, e2200045.	2.5	3
4	Current Strategies of Antiviral Drug Discovery for COVID-19. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 671263.	3.5	75
5	Virtual memory T cells orchestrate extralymphoid responses conducive to resident memory. <i>Science Immunology</i> , 2021, 6, eabg9433.	11.9	12
6	Orthogonal genome-wide screens of bat cells identify MTHFD1 as a target of broad antiviral therapy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	19
7	Profiling CD8+ T cell epitopes of COVID-19 convalescents reveals reduced cellular immune responses to SARS-CoV-2 variants. <i>Cell Reports</i> , 2021, 36, 109708.	6.4	42
8	Genome-wide evolution analysis reveals low CpG contents of fast-evolving genes and identifies antiviral microRNAs. <i>Journal of Genetics and Genomics</i> , 2020, 47, 49-60.	3.9	4
9	PSGL-1 inhibits HIV-1 infection by restricting actin dynamics and sequestering HIV envelope proteins. <i>Cell Discovery</i> , 2020, 6, 53.	6.7	15
10	Discovery of (1 <i>H</i> -Pyrazolo[3,4- <i>c</i> ]pyridin-5-yl)sulfonamide Analogues as Hepatitis B Virus Capsid Assembly Modulators by Conformation Constraint. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 6066-6089.	6.4	19
11	Viral Manipulations of the Cullin-RING Ubiquitin Ligases. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1217, 99-110.	1.6	13
12	Structure of the African swine fever virus major capsid protein p72. <i>Cell Research</i> , 2019, 29, 953-955.	12.0	70
13	Proteomic profiling of HIV-1 infection of human CD4+ T cells identifies PSGL-1 as an HIV restriction factor. <i>Nature Microbiology</i> , 2019, 4, 813-825.	13.3	48
14	Integrative Analysis of Zika Virus Genome RNA Structure Reveals Critical Determinants of Viral Infectivity. <i>Cell Host and Microbe</i> , 2018, 24, 875-886.e5.	11.0	89
15	A non-viral CRISPR/Cas9 delivery system for therapeutically targeting HBV DNA and pcsk9 in vivo. <i>Cell Research</i> , 2017, 27, 440-443.	12.0	255
16	Stabilizing mutations of KLHL24 ubiquitin ligase cause loss of keratin 14 and human skin fragility. <i>Nature Genetics</i> , 2016, 48, 1508-1516.	21.4	101
17	An Orthogonal Array Optimization of Lipid-like Nanoparticles for mRNA Delivery in Vivo. <i>Nano Letters</i> , 2015, 15, 8099-8107.	9.1	182
18	When noise makes music: HIV reactivation with transcriptional noise enhancers. <i>Genome Medicine</i> , 2014, 6, 55.	8.2	1

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19	Tiling genomes of pathogenic viruses identifies potent antiviral shRNAs and reveals a role for secondary structure in shRNA efficacy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 869-874.	7.1	99
20	Systematic identification of synergistic drug pairs targeting HIV. <i>Nature Biotechnology</i> , 2012, 30, 1125-1130.	17.5	108
21	A combinatorial TIR1/AFB <sup>1</sup> -Aux/IAA co-receptor system for differential sensing of auxin. <i>Nature Chemical Biology</i> , 2012, 8, 477-485.	8.0	490
22	Jasmonate perception by inositol-phosphate-potentiated COI1 <sup>1</sup> -JAZ co-receptor. <i>Nature</i> , 2010, 468, 400-405.	27.8	1,192
23	A chromatin localization screen reveals poly (ADP ribose)-regulated recruitment of the repressive polycomb and NuRD complexes to sites of DNA damage. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 18475-18480.	7.1	471
24	Auxin Perception--Structural Insights. <i>Cold Spring Harbor Perspectives in Biology</i> , 2010, 2, a005546-a005546.	5.5	148
25	Hormone signaling through protein destruction: a lesson from plants. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2009, 296, E223-E227.	3.5	18
26	Small-molecule agonists and antagonists of F-box protein <sup>1</sup> -substrate interactions in auxin perception and signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 5632-5637.	7.1	188
27	Disease-causing Mutation in GPR54 Reveals the Importance of the Second Intracellular Loop for Class A G-protein-coupled Receptor Function. <i>Journal of Biological Chemistry</i> , 2008, 283, 31068-31078.	3.4	63
28	Unraveling the molecular mechanism by which the L148S mutation of GPR54 causes idiopathic hypogonadotropic hypogonadism.. <i>FASEB Journal</i> , 2008, 22, 729.1.	0.5	0
29	Mechanism of auxin perception by the TIR1 ubiquitin ligase. <i>Nature</i> , 2007, 446, 640-645.	27.8	1,367
30	Minimization and Optimization of Designed $\beta$ -Hairpin Folds. <i>Journal of the American Chemical Society</i> , 2006, 128, 6101-6110.	13.7	111