

# Yuanchao Xue

## List of Publications by Year in descending order

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41  
papers

4,297  
citations

201385

27  
h-index

253896

43  
g-index

45  
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45  
docs citations

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times ranked

6925  
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct Conversion of Fibroblasts to Neurons by Reprogramming PTB-Regulated MicroRNA Circuits. <i>Cell</i> , 2013, 152, 82-96.	13.5	508
2	Genome-wide Analysis of PTB-RNA Interactions Reveals a Strategy Used by the General Splicing Repressor to Modulate Exon Inclusion or Skipping. <i>Molecular Cell</i> , 2009, 36, 996-1006.	4.5	429
3	MicroRNA Directly Enhances Mitochondrial Translation during Muscle Differentiation. <i>Cell</i> , 2014, 158, 607-619.	13.5	385
4	Pachytene piRNAs instruct massive mRNA elimination during late spermiogenesis. <i>Cell Research</i> , 2014, 24, 680-700.	5.7	344
5	Reversing a model of Parkinson's disease with in situ converted nigral neurons. <i>Nature</i> , 2020, 582, 550-556.	13.7	316
6	MIWI and piRNA-mediated cleavage of messenger RNAs in mouse testes. <i>Cell Research</i> , 2015, 25, 193-207.	5.7	266
7	CLP1 Founder Mutation Links tRNA Splicing and Maturation to Cerebellar Development and Neurodegeneration. <i>Cell</i> , 2014, 157, 651-663.	13.5	228
8	WNT7A and PAX6 define corneal epithelium homeostasis and pathogenesis. <i>Nature</i> , 2014, 511, 358-361.	13.7	193
9	RIC-seq for global in situ profiling of RNA-RNA spatial interactions. <i>Nature</i> , 2020, 582, 432-437.	13.7	176
10	A novel class of microRNA-recognition elements that function only within open reading frames. <i>Nature Structural and Molecular Biology</i> , 2018, 25, 1019-1027.	3.6	134
11	The architecture of the SARS-CoV-2 RNA genome inside virion. <i>Nature Communications</i> , 2021, 12, 3917.	5.8	122
12	Arabidopsis ARGONAUTE 1 Binds Chromatin to Promote Gene Transcription in Response to Hormones and Stresses. <i>Developmental Cell</i> , 2018, 44, 348-361.e7.	3.1	121
13	Comprehensive profiling of circular RNAs with nanopore sequencing and CIRI-long. <i>Nature Biotechnology</i> , 2021, 39, 836-845.	9.4	108
14	Sequential regulatory loops as key gatekeepers for neuronal reprogramming in human cells. <i>Nature Neuroscience</i> , 2016, 19, 807-815.	7.1	88
15	Repression of the Central Splicing Regulator RBFOX2 Is Functionally Linked to Pressure Overload-Induced Heart Failure. <i>Cell Reports</i> , 2015, 10, 1521-1533.	2.9	74
16	RBFOX2 Binds Nascent RNA to Globally Regulate Polycomb Complex 2 Targeting in Mammalian Genomes. <i>Molecular Cell</i> , 2016, 62, 875-889.	4.5	66
17	PTB/nPTB: master regulators of neuronal fate in mammals. <i>Biophysics Reports</i> , 2018, 4, 204-214.	0.2	55
18	Emerging roles of non-coding RNAs in epigenetic regulation. <i>Science China Life Sciences</i> , 2016, 59, 227-235.	2.3	53

#	ARTICLE	IF	CITATIONS
19	PTB/nPTB switch: a post-transcriptional mechanism for programming neuronal differentiation: Figure 1.. <i>Genes and Development</i> , 2007, 21, 1573-1577.	2.7	50
20	Climate-driven flyway changes and memory-based long-distance migration. <i>Nature</i> , 2021, 591, 259-264.	13.7	49
21	Global profiling of RNA-binding protein target sites by LACE-seq. <i>Nature Cell Biology</i> , 2021, 23, 664-675.	4.6	40
22	The RNA-binding protein ROD1/PTBP3 cotranscriptionally defines AID-loading sites to mediate antibody class switch in mammalian genomes. <i>Cell Research</i> , 2018, 28, 981-995.	5.7	37
23	R-loops coordinate with SOX2 in regulating reprogramming to pluripotency. <i>Science Advances</i> , 2020, 6, eaba0777.	4.7	36
24	Translational control by DHX36 binding to 5â€²UTR G-quadruplex is essential for muscle stem-cell regenerative functions. <i>Nature Communications</i> , 2021, 12, 5043.	5.8	36
25	Enhancer RNA: biogenesis, function, and regulation. <i>Essays in Biochemistry</i> , 2020, 64, 883-894.	2.1	35
26	Directly converted patient-specific induced neurons mirror the neuropathology of FUS with disrupted nuclear localization in amyotrophic lateral sclerosis. <i>Molecular Neurodegeneration</i> , 2016, 11, 8.	4.4	33
27	RBFOX2-miR-34a-JPH2 axis contributes to cardiac decompensation during heart failure. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 6172-6180.	3.3	32
28	Noncoding RNA: from dark matter to bright star. <i>Science China Life Sciences</i> , 2020, 63, 463-468.	2.3	32
29	Induction of Retinal Progenitors and Neurons from Mammalian Müller Glia under Defined Conditions. <i>Journal of Biological Chemistry</i> , 2014, 289, 11945-11951.	1.6	30
30	Direct Reprogramming of Huntingtonâ€™s Disease Patient Fibroblasts into Neuron-Like Cells Leads to Abnormal Neurite Outgrowth, Increased Cell Death, and Aggregate Formation. <i>PLoS ONE</i> , 2014, 9, e109621.	1.1	28
31	RNA-binding protein DDX1 is responsible for fatty acid-mediated repression of insulin translation. <i>Nucleic Acids Research</i> , 2018, 46, 12052-12066.	6.5	27
32	SRSF1 serves as a critical posttranscriptional regulator at the late stage of thymocyte development. <i>Science Advances</i> , 2021, 7, .	4.7	26
33	Patient fibroblasts-derived induced neurons demonstrate autonomous neuronal defects in adult-onset Krabbe disease. <i>Oncotarget</i> , 2016, 7, 74496-74509.	0.8	26
34	Recent advances in RNA structurome. <i>Science China Life Sciences</i> , 2022, 65, 1285-1324.	2.3	22
35	Oncogenic miR-17/20a Forms a Positive Feed-forward Loop with the p53 Kinase DAPK3 to Promote Tumorigenesis. <i>Journal of Biological Chemistry</i> , 2015, 290, 19967-19975.	1.6	21
36	Global in situ profiling of RNA-RNA spatial interactions with RIC-seq. <i>Nature Protocols</i> , 2021, 16, 2916-2946.	5.5	21

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37	Phosphatase activity of small C-terminal domain phosphatase 1 (SCP1) controls the stability of the key neuronal regulator RE1-silencing transcription factor (REST). <i>Journal of Biological Chemistry</i> , 2018, 293, 16851-16861.	1.6	14
38	SRSF1 plays a critical role in invariant natural killer T cell development and function. <i>Cellular and Molecular Immunology</i> , 2021, 18, 2502-2515.	4.8	12
39	Emerging roles of <sc>RNA</sc>â€œ<sc>RNA</sc> interactions in transcriptional regulation. <i>Wiley Interdisciplinary Reviews RNA</i> , 2022, 13, e1712.	3.2	8
40	Architecture of RNAâ€œRNA interactions. <i>Current Opinion in Genetics and Development</i> , 2022, 72, 138-144.	1.5	6
41	Function Beyond RNA Splicing for RBFOX Family Members in Heart. <i>Journal of Molecular and Cellular Cardiology</i> , 2017, 112, 146-147.	0.9	1