

# Pilong Li

## List of Publications by Year in descending order

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Version: 2024-02-01

37  
papers

4,456  
citations

257450

24  
h-index

345221

36  
g-index

44  
all docs

44  
docs citations

44  
times ranked

6076  
citing authors

#	ARTICLE	IF	CITATIONS
1	Phase transitions in the assembly of multivalent signalling proteins. <i>Nature</i> , 2012, 483, 336-340.	27.8	1,938
2	Polyubiquitin chain-induced p62 phase separation drives autophagic cargo segregation. <i>Cell Research</i> , 2018, 28, 405-415.	12.0	325
3	Histone Modifications Regulate Chromatin Compartmentalization by Contributing to a Phase Separation Mechanism. <i>Molecular Cell</i> , 2019, 76, 646-659.e6.	9.7	250
4	<i>Arabidopsis</i> FLL2 promotes liquid-liquid phase separation of polyadenylation complexes. <i>Nature</i> , 2019, 569, 265-269.	27.8	196
5	Liquid-liquid phase separation in biology: mechanisms, physiological functions and human diseases. <i>Science China Life Sciences</i> , 2020, 63, 953-985.	4.9	164
6	Structural and Energetic Mechanisms of Cooperative Autoinhibition and Activation of Vav1. <i>Cell</i> , 2010, 140, 246-256.	28.9	135
7	Multivalent m6A motifs promote phase separation of YTHDF proteins. <i>Cell Research</i> , 2019, 29, 767-769.	12.0	129
8	Structure of a Key Intermediate of the SMN Complex Reveals Gemin2's Crucial Function in snRNP Assembly. <i>Cell</i> , 2011, 146, 384-395.	28.9	105
9	Homotypic clustering of L1 and B1/Alu repeats compartmentalizes the 3D genome. <i>Cell Research</i> , 2021, 31, 613-630.	12.0	105
10	Internal dynamics control activation and activity of the autoinhibited Vav DH domain. <i>Nature Structural and Molecular Biology</i> , 2008, 15, 613-618.	8.2	95
11	Phase separation of SERRATE drives dicing body assembly and promotes miRNA processing in <i>Arabidopsis</i> . <i>Nature Cell Biology</i> , 2021, 23, 32-39.	10.3	89
12	ROS regulated reversible protein phase separation synchronizes plant flowering. <i>Nature Chemical Biology</i> , 2021, 17, 549-557.	8.0	86
13	Plant HP1 protein ADCP1 links multivalent H3K9 methylation readout to heterochromatin formation. <i>Cell Research</i> , 2019, 29, 54-66.	12.0	83
14	Rett syndrome-causing mutations compromise MeCP2-mediated liquid-liquid phase separation of chromatin. <i>Cell Research</i> , 2020, 30, 393-407.	12.0	80
15	CCT2 is an aggrephagy receptor for clearance of solid protein aggregates. <i>Cell</i> , 2022, 185, 1325-1345.e22.	28.9	71
16	A U1 snRNP-specific assembly pathway reveals the SMN complex as a versatile hub for RNP exchange. <i>Nature Structural and Molecular Biology</i> , 2016, 23, 225-230.	8.2	70
17	Loci-specific phase separation of FET fusion oncoproteins promotes gene transcription. <i>Nature Communications</i> , 2021, 12, 1491.	12.8	66
18	Mitotic Implantation of the Transcription Factor Prospero via Phase Separation Drives Terminal Neuronal Differentiation. <i>Developmental Cell</i> , 2020, 52, 277-293.e8.	7.0	62

#	ARTICLE	IF	CITATIONS
19	RNA Targets Ribogenesis Factor WDR43 to Chromatin for Transcription and Pluripotency Control. <i>Molecular Cell</i> , 2019, 75, 102-116.e9.	9.7	43
20	LIMD1 phase separation contributes to cellular mechanics and durotaxis by regulating focal adhesion dynamics in response to force. <i>Developmental Cell</i> , 2021, 56, 1313-1325.e7.	7.0	40
21	Phase separation at the nanoscale quantified by dcFCCS. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 27124-27131.	7.1	39
22	Phase Separation in Regulation of Aggrephagy. <i>Journal of Molecular Biology</i> , 2020, 432, 160-169.	4.2	37
23	Screening membraneless organelle participants with machine-learning models that integrate multimodal features. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	34
24	Uncoupling conformational change from GTP hydrolysis in a heterotrimeric G protein $\hat{A}$ -subunit. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 7560-7565.	7.1	31
25	Understanding the phase separation characteristics of nucleocapsid protein provides a new therapeutic opportunity against SARS-CoV-2. <i>Protein and Cell</i> , 2021, 12, 734-740.	11.0	31
26	Phase-separated condensate-aided enrichment of biomolecular interactions for high-throughput drug screening in test tubes. <i>Journal of Biological Chemistry</i> , 2020, 295, 11420-11434.	3.4	25
27	Phase separation drives the self-assembly of mitochondrial nucleoids for transcriptional modulation. <i>Nature Structural and Molecular Biology</i> , 2021, 28, 900-908.	8.2	24
28	A gel-like condensation of Cidec generates lipid-permeable plates for lipid droplet fusion. <i>Developmental Cell</i> , 2021, 56, 2592-2606.e7.	7.0	18
29	The feasibility of parameterizing four-state equilibria using relaxation dispersion measurements. <i>Journal of Biomolecular NMR</i> , 2011, 51, 57-70.	2.8	16
30	Compartmentalization-aided interaction screening reveals extensive high-order complexes within the SARS-CoV-2 proteome. <i>Cell Reports</i> , 2021, 36, 109482.	6.4	16
31	Myosin 1D and the branched actin network control the condensation of p62 bodies. <i>Cell Research</i> , 2022, 32, 659-669.	12.0	12
32	Phase separation of Ddx3xb helicase regulates maternal-to-zygotic transition in zebrafish. <i>Cell Research</i> , 2022, 32, 715-728.	12.0	12
33	Dynamic Monitoring of Phase-Separated Biomolecular Condensates by Photoluminescence Lifetime Imaging. <i>Analytical Chemistry</i> , 2021, 93, 2988-2995.	6.5	11
34	Protein phase separation and its role in chromatin organization and diseases. <i>Biomedicine and Pharmacotherapy</i> , 2021, 138, 111520.	5.6	9
35	Acquired "Phase Separation"™ Underlies Aberrant Cell Fate Control?. <i>Trends in Biochemical Sciences</i> , 2020, 45, 457-458.	7.5	2
36	CEBIT screening for inhibitors of the interaction between SARS-CoV-2 spike and ACE2. <i>Fundamental Research</i> , 2022, 2, 562-569.	3.3	2

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37	Struggle for survival: new insights into NELF condensation for adaptive transcriptional reprogramming. <i>Molecular Cell</i> , 2021, 81, 896-898.	9.7	0