Fangyuan Chen

List of Publications by Year
in descending order

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39 papers	4,840 citations	430874 18 h-index	330143 37 g-index
41 all docs	41 docs citations	41 times ranked	4793 citing authors

#	Article	IF	Citations
1	Direct evaluation of thermal fluctuations in proteins using a single-parameter harmonic potential. Folding & Design, 1997, 2, 173-181.	4.5	1,243
2	ProDy: Protein Dynamics Inferred from Theory and Experiments. Bioinformatics, 2011, 27, 1575-1577.	4.1	907
3	Gaussian Dynamics of Folded Proteins. Physical Review Letters, 1997, 79, 3090-3093.	7.8	678
4	Global Dynamics of Proteins: Bridging Between Structure and Function. Annual Review of Biophysics, 2010, 39, 23-42.	10.0	536
5	Vibrational Dynamics of Folded Proteins: Significance of Slow and Fast Motions in Relation to Function and Stability. Physical Review Letters, 1998, 80, 2733-2736.	7.8	382
6	The intrinsic dynamics of enzymes plays a dominant role in determining the structural changes induced upon inhibitor binding. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 14349-14354.	7.1	248
7	Evol and ProDy for bridging protein sequence evolution and structural dynamics. Bioinformatics, 2014, 30, 2681-2683.	4.1	207
8	Adaptability of protein structures to enable functional interactions and evolutionary implications. Current Opinion in Structural Biology, 2015, 35, 17-23.	5.7	104
9	Monoamine transporters: structure, intrinsic dynamics and allosteric regulation. Nature Structural and Molecular Biology, 2019, 26, 545-556.	8.2	68
10	Molecular Analysis of Curcumin-induced Polarization of Murine RAW264.7 Macrophages. Journal of Cardiovascular Pharmacology, 2014, 63, 544-552.	1.9	46
11	A Perspective on Implementing a Quantitative Systems Pharmacology Platform for Drug Discovery and the Advancement of Personalized Medicine. Journal of Biomolecular Screening, 2016, 21, 521-534.	2.6	46
12	Shared Signature Dynamics Tempered by Local Fluctuations Enables Fold Adaptability and Specificity. Molecular Biology and Evolution, 2019, 36, 2053-2068.	8.9	45
13	Interaction of kindlin-3 and Î²2-integrins differentially regulates neutrophil recruitment and NET release in mice. Blood, 2015, 126, 373-377.	1.4	43
14	Single-Cell Transcriptomic Heterogeneity in Invasive Ductal and Lobular Breast Cancer Cells. Cancer Research, 2021, 81, 268-281.	0.9	28
15	<scp>SOX</scp>12: a novel potential target for acute myeloid leukaemia. British Journal of Haematology, 2017, 176, 421-430.	2.5	27
16	Chromosomal dynamics predicted by an elastic network model explains genome-wide accessibility and long-range couplings. Nucleic Acids Research, 2017, 45, 3663-3673.	14.5	24
17	SLC29A1 single nucleotide polymorphisms as independent prognostic predictors for survival of patients with acute myeloid leukemia: an in vitro study. Journal of Experimental and Clinical Cancer Research, 2014, 33, 90.	8.6	23
18	QuartataWeb: Integrated Chemicalâ€“Protein-Pathway Mapping for Polypharmacology and Chemogenomics. Bioinformatics, 2020, 36, 3935-3937.	4.1	23

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19	A systemsâ€level study reveals hostâ€targeted repurposable drugs against SARSâ€CoVâ€2 infection. Molecular Systems Biology, 2021, 17, e10239.	7.2	22
20	Outcomes After Sentinel Lymph Node Biopsy and Radiotherapy in Older Women With Early-Stage, Estrogen Receptorâ€“Positive Breast Cancer. JAMA Network Open, 2021, 4, e216322.	5.9	15
21	RUNX1-Evi-1 fusion gene inhibited differentiation and apoptosis in myelopoiesis: an in vivo study. BMC Cancer, 2015, 15, 970.	2.6	14
22	State-dependent sequential allostery exhibited by chaperonin TRiC/CCT revealed by network analysis of Cryo-EM maps. Progress in Biophysics and Molecular Biology, 2021, 160, 104-120.	2.9	12
23	Kindlin-3 negatively regulates the release of neutrophil extracellular traps. Journal of Leukocyte Biology, 2018, 104, 597-602.	3.3	11
24	Granulocyte colony-stimulating factor inhibits CXCR4/SDF-1Î± signaling and overcomes stromal-mediated drug resistance in the HL-60 cell line. Experimental and Therapeutic Medicine, 2016, 12, 396-404.	1.8	10
25	Targeting on glycosylation of mutant FLT3 in acute myeloid leukemia. Hematology, 2019, 24, 651-660.	1.5	9
26	Arsenic trioxide potentiates Gilteritinib-induced apoptosis in FLT3-ITD positive leukemic cells via IRE1a-JNK-mediated endoplasmic reticulum stress. Cancer Cell International, 2020, 20, 250.	4.1	9
27	Arsenic trioxide induces the apoptosis and decreases NFâ€ÎºB expression in lymphoma cell lines. Oncology Letters, 2018, 16, 6267-6274.	1.8	8
28	Differences in the intrinsic spatial dynamics of the chromatin contribute to cell differentiation. Nucleic Acids Research, 2020, 48, 1131-1145.	14.5	8
29	Upregulated microRNA-146a expression induced by granulocyte colony-stimulating factor enhanced low-dosage chemotherapy response in aged acute myeloid leukemia patients. Experimental Hematology, 2018, 68, 66-79.e3.	0.4	6
30	EVI-1 modulates arsenic trioxide induced apoptosis through JNK signalling pathway in leukemia cells. Experimental Cell Research, 2019, 374, 140-151.	2.6	5
31	Homoharringtonine Synergized with Gilteritinib Results in the Downregulation of Myeloid Cell Leukemia-1 by Upregulating UBE2L6 in FLT3-ITD-Mutant Acute Myeloid (Leukemia) Cell Lines. Journal of Oncology, 2021, 2021, 1-11.	1.3	4
32	A case of ureteral myeloid sarcoma post-renal transplantation. BMC Nephrology, 2018, 19, 46.	1.8	3
33	PIGN spatiotemporally regulates the spindle assembly checkpoint proteins in leukemia transformation and progression. Scientific Reports, 2021, 11, 19022.	3.3	3
34	Modulation of FLT3 through decitabine-activated C/EBPa-PU.1 signal pathway in FLT3-ITD positive cells. Cellular Signalling, 2019, 64, 109409.	3.6	1
35	RNAâ€Seq analyses demonstrate EVIâ€1â€“induced morbid hematopoiesis and developmental abnormality in zebrafish were related with MAPK pathway. Hematological Oncology, 2019, 37, 326-329.	1.7	1
36	Long Noncoding RNA Expression Profiling By Microarray in Diffuse Large B-Cell Lymphoma and Preliminary Bioinformatics Study. Blood, 2016, 128, 5286-5286.	1.4	1

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37	Characteristics of bone marrow cells in 107ï¿½patients with juvenile idiopathic arthritis: A retrospective study. Experimental and Therapeutic Medicine, 2018, 16, 3161-3164.	1.8	0
38	The Incidence and Outcome of Acute Lymphoblastic Leukemia in Shanghai, China Over 5 Years (2002â€“2006). Blood, 2008, 112, 3946-3946.	1.4	0
39	Ectopic viral integration Site-1 oncogene promotes NRAS pathway through epigenetic silencing of microRNA-124 in acute myeloid leukemia. Cellular Signalling, 2022, , 110402.	3.6	0