

Baoyu Chen

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5442335/publications.pdf>

Version: 2024-02-01

28
papers

3,484
citations

516710

16
h-index

552781

26
g-index

34
all docs

34
docs citations

34
times ranked

5035
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	The WAVE Regulatory Complex Links Diverse Receptors to the Actin Cytoskeleton. <i>Cell</i> , 2014, 156, 195-207.	28.9	260
3	The WAVE regulatory complex is inhibited. <i>Nature Structural and Molecular Biology</i> , 2009, 16, 561-563.	8.2	135
4	Endosomal receptor trafficking: Retromer and beyond. <i>Traffic</i> , 2018, 19, 578-590.	2.7	133
5	Rac1 GTPase activates the WAVE regulatory complex through two distinct binding sites. <i>ELife</i> , 2017, 6, .	6.0	129
6	Local F-actin Network Links Synapse Formation and Axon Branching. <i>Cell</i> , 2014, 156, 208-220.	28.9	128
7	The structural basis for regulated assembly and function of the transcriptional activator NtrC. <i>Genes and Development</i> , 2006, 20, 1485-1495.	5.9	109
8	Ena/VASP Proteins Cooperate with the WAVE Complex to Regulate the Actin Cytoskeleton. <i>Developmental Cell</i> , 2014, 30, 569-584.	7.0	101
9	HEM1 deficiency disrupts mTORC2 and F-actin control in inherited immunodysregulatory disease. <i>Science</i> , 2020, 369, 202-207.	12.6	65
10	ATP Ground- and Transition States of Bacterial Enhancer Binding AAA+ ATPases Support Complex Formation with Their Target Protein, If54. <i>Structure</i> , 2007, 15, 429-440.	3.3	64
11	WAVE regulatory complex. <i>Current Biology</i> , 2021, 31, R512-R517.	3.9	60
12	A Dendritic Guidance Receptor Complex Brings Together Distinct Actin Regulators to Drive Efficient F-Actin Assembly and Branching. <i>Developmental Cell</i> , 2018, 45, 362-375.e3.	7.0	56
13	Fat2 acts through the WAVE regulatory complex to drive collective cell migration during tissue rotation. <i>Journal of Cell Biology</i> , 2016, 212, 591-603.	5.2	54
14	Negative Regulation of AAA+ ATPase Assembly by Two Component Receiver Domains: A Transcription Activation Mechanism that is Conserved in Mesophilic and Extremely Hyperthermophilic Bacteria. <i>Journal of Molecular Biology</i> , 2005, 353, 242-255.	4.2	53
15	Engagement of Arginine Finger to ATP Triggers Large Conformational Changes in NtrC1 AAA+ ATPase for Remodeling Bacterial RNA Polymerase. <i>Structure</i> , 2010, 18, 1420-1430.	3.3	49
16	Expression, purification, and characterization of arginine kinase from the sea cucumber <i>Stichopus japonicus</i> . <i>Protein Expression and Purification</i> , 2003, 29, 230-234.	1.3	24
17	Biochemical Reconstitution of the WAVE Regulatory Complex. <i>Methods in Enzymology</i> , 2014, 540, 55-72.	1.0	20
18	WASP family proteins: Molecular mechanisms and implications in human disease. <i>European Journal of Cell Biology</i> , 2022, 101, 151244.	3.6	19

#	ARTICLE	IF	CITATIONS
19	Regulation and action of the bacterial enhancer-binding protein AAA+ domains. <i>Biochemical Society Transactions</i> , 2008, 36, 89-93.	3.4	16
20	Evidence for proximal cysteine and lysine residues at or near the active site of arginine kinase of <i>Stichopus japonicus</i> . <i>Biochemistry (Moscow)</i> , 2004, 69, 1336-1343.	1.5	10
21	A two-step actin polymerization mechanism drives dendrite branching. <i>Neural Development</i> , 2021, 16, 3.	2.4	10
22	Inactivation and conformational changes of lactate dehydrogenase from porcine heart in sodium dodecyl sulfate solutions. <i>International Journal of Biological Macromolecules</i> , 2002, 31, 97-102.	7.5	9
23	Multiple effects of chemical reagent on enzyme: o-phthalaldehyde-induced inactivation, dissociation and partial unfolding of lactate dehydrogenase from pig heart. <i>International Journal of Biological Macromolecules</i> , 2003, 32, 191-197.	7.5	8
24	ADPase activity of recombinantly expressed thermotolerant ATPases may be caused by copurification of adenylate kinase of <i>Escherichia coli</i> . <i>FEBS Journal</i> , 2009, 276, 807-815.	4.7	8
25	Urea Induced Inactivation and Unfolding of Arginine Kinase from the Sea Cucumber <i>Stichopus japonicus</i> . <i>Biochemistry (Moscow)</i> , 2003, 68, 1267-1271.	1.5	5
26	p-Chloromercuribenzoate-induced inactivation and partial unfolding of porcine heart lactate dehydrogenase. <i>Biochemistry (Moscow)</i> , 2002, 67, 583-587.	1.5	3
27	Molecular mechanisms of hormonal activity. I. receptors. neuromediators. systems with second messengers. <i>Biochemistry (Moscow)</i> , 2005, 70, 24-39.	1.5	0
28	Sequential Action of ATP on the Enhancer Binding AAA+ ATPase NtrC1. <i>FASEB Journal</i> , 2009, 23, 495.21.	0.5	0