

A Clay Clark

List of Publications by Year in descending order

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43
papers

1,427
citations

361413

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docs citations

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times ranked

1462
citing authors

#	ARTICLE	IF	CITATIONS
1	A constitutively active and uninhibitable caspase-3 zymogen efficiently induces apoptosis. <i>Biochemical Journal</i> , 2009, 424, 335-345.	3.7	137
2	Targeting Cell Death in Tumors by Activating Caspases. <i>Current Cancer Drug Targets</i> , 2008, 8, 98-109.	1.6	95
3	Death by Caspase Dimerization. <i>Advances in Experimental Medicine and Biology</i> , 2012, 747, 55-73.	1.6	87
4	Determination of Regions in the Dihydrofolate Reductase Structure That Interact with the Molecular Chaperonin GroEL. <i>Biochemistry</i> , 1996, 35, 5893-5901.	2.5	81
5	Chapter 1 Practical Approaches to Protein Folding and Assembly. <i>Methods in Enzymology</i> , 2009, 455, 1-39.	1.0	75
6	Removal of the Pro-Domain Does Not Affect the Conformation of the Procaspase-3 Dimer. <i>Biochemistry</i> , 2001, 40, 14224-14235.	2.5	72
7	An Uncleavable Procaspase-3 Mutant Has a Lower Catalytic Efficiency but an Active Site Similar to That of Mature Caspase-3. <i>Biochemistry</i> , 2003, 42, 12298-12310.	2.5	69
8	Caspase Allostery and Conformational Selection. <i>Chemical Reviews</i> , 2016, 116, 6666-6706.	47.7	67
9	Role of Loop Bundle Hydrogen Bonds in the Maturation and Activity of (Pro)caspase-3. <i>Biochemistry</i> , 2006, 45, 13249-13263.	2.5	60
10	Dimeric Procaspase-3 Unfolds via a Four-State Equilibrium Process. <i>Biochemistry</i> , 2001, 40, 14236-14242.	2.5	58
11	The potential for caspases in drug discovery. <i>Current Opinion in Drug Discovery & Development</i> , 2010, 13, 568-76.	1.9	53
12	Kinetic Mechanism of Luciferase Subunit Folding and Assembly. <i>Biochemistry</i> , 1997, 36, 1891-1899.	2.5	40
13	Mutations in the Procaspase-3 Dimer Interface Affect the Activity of the Zymogen. <i>Biochemistry</i> , 2003, 42, 12311-12320.	2.5	40
14	Tunable allosteric library of caspase-3 identifies coupling between conserved water molecules and conformational selection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E6080-E6088.	7.1	39
15	[8] Purification of GroEL with low fluorescence background. <i>Methods in Enzymology</i> , 1998, 290, 100-118.	1.0	34
16	Reassembly of Active Caspase-3 Is Facilitated by the Propeptide. <i>Journal of Biological Chemistry</i> , 2005, 280, 39772-39785.	3.4	34
17	Modifications to a common phosphorylation network provide individualized control in caspases. <i>Journal of Biological Chemistry</i> , 2018, 293, 5447-5461.	3.4	29
18	pH effects on the stability and dimerization of procaspase-3. <i>Protein Science</i> , 2009, 14, 24-36.	7.6	27

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19	A bifunctional allosteric site in the dimer interface of procaspase-3. <i>Biophysical Chemistry</i> , 2011, 159, 100-109.	2.8	24
20	Allosteric modulation of caspase 3 through mutagenesis. <i>Bioscience Reports</i> , 2012, 32, 401-411.	2.4	24
21	Modifying Caspase-3 Activity by Altering Allosteric Networks. <i>Biochemistry</i> , 2014, 53, 7582-7595.	2.5	23
22	Resurrection of ancestral effector caspases identifies novel networks for evolution of substrate specificity. <i>Biochemical Journal</i> , 2019, 476, 3475-3492.	3.7	22
23	The CaspBase: a curated database for evolutionary biochemical studies of caspase functional divergence and ancestral sequence inference. <i>Protein Science</i> , 2018, 27, 1857-1870.	7.6	21
24	Kinetic traps in the folding/unfolding of procaspase-1 CARD domain. <i>Protein Science</i> , 2004, 13, 2196-2206.	7.6	19
25	Ionic interactions near the loop L4 are important for maintaining the active-site environment and the dimer stability of (pro)caspase 3. <i>Biochemical Journal</i> , 2004, 384, 515-525.	3.7	18
26	Equilibrium and Kinetic Folding of a α -Helical Greek Key Protein Domain: A Caspase Recruitment Domain (CARD) of RICK. <i>Biochemistry</i> , 2003, 42, 6310-6320.	2.5	16
27	Lengthening the Intersubunit Linker of Procaspase 3 Leads to Constitutive Activation. <i>Biochemistry</i> , 2013, 52, 6219-6231.	2.5	16
28	Phage display and structural studies reveal plasticity in substrate specificity of caspase-3a from zebrafish. <i>Protein Science</i> , 2016, 25, 2076-2088.	7.6	16
29	Novel protein purification system utilizing an N-terminal fusion protein and a caspase-3 cleavable linker. <i>Protein Expression and Purification</i> , 2006, 47, 311-318.	1.3	15
30	Protein folding: Are we there yet?. <i>Archives of Biochemistry and Biophysics</i> , 2008, 469, 1-3.	3.0	15
31	Folding and assembly kinetics of procaspase-3. <i>Protein Science</i> , 2009, 18, 2500-2517.	7.6	14
32	Thermodynamic, enzymatic and structural effects of removing a salt bridge at the base of loop 4 in (pro)caspase-3. <i>Archives of Biochemistry and Biophysics</i> , 2011, 508, 31-38.	3.0	13
33	Rapid Folding and Unfolding of Apaf-1 CARD. <i>Journal of Molecular Biology</i> , 2007, 369, 290-304.	4.2	11
34	Caspases from scleractinian coral show unique regulatory features. <i>Journal of Biological Chemistry</i> , 2020, 295, 14578-14591.	3.4	10
35	Evolution of the folding landscape of effector caspases. <i>Journal of Biological Chemistry</i> , 2021, 297, 101249.	3.4	10
36	Cooperative effects of potassium, magnesium, and magnesium-ADP on the release of <i>Escherichia coli</i> dihydrofolate reductase from the chaperonin GroEL. <i>Protein Science</i> , 1999, 8, 2166-2176.	7.6	9

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37	Substitutions of prolines examine their role in kinetic trap formation of the caspase recruitment domain (CARD) of RICK. <i>Protein Science</i> , 2006, 15, 395-409.	7.6	9
38	Slow Folding and Assembly of a Procaspase-3 Interface Variant. <i>Biochemistry</i> , 2013, 52, 3415-3427.	2.5	6
39	Redesigning the procaspase-8 dimer interface for improved dimerization. <i>Protein Science</i> , 2014, 23, 442-453.	7.6	6
40	Remodeling hydrogen bond interactions results in relaxed specificity of Caspase-3. <i>Bioscience Reports</i> , 2021, 41, .	2.4	5
41	Caspases – Key Players in Apoptosis. , 2015, , 31-51.		3
42	Resurrection of an ancient inflammatory locus reveals switch to caspase-1 specificity on a caspase-4 scaffold. <i>Journal of Biological Chemistry</i> , 2022, 298, 101931.	3.4	3
43	Integration of Evolutionary Theory into Cancer Biology and Caspase Signaling. , 2019, , 131-155.		2