

Wayne A Fenton

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

5,411
citations

279798

23
h-index

526287

27
g-index

28
all docs

28
docs citations

28
times ranked

2602
citing authors

#	ARTICLE	IF	CITATIONS
1	Chaperonin-assisted protein folding: a chronologue. Quarterly Reviews of Biophysics, 2020, 53, e4.	5.7	36
2	Transfer of pathogenic and nonpathogenic cytosolic proteins between spinal cord motor neurons in vivo in chimeric mice. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E3139-E3148.	7.1	18
3	Extended survival of misfolded G85R SOD1-linked ALS mice by transgenic expression of chaperone Hsp110. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 5424-5428.	7.1	55
4	Unfolded DapA forms aggregates when diluted into free solution, confounding comparison with folding by the GroEL/GroES chaperonin system. FEBS Letters, 2015, 589, 497-499.	2.8	6
5	Chaperonin-mediated protein folding: using a central cavity to kinetically assist polypeptide chain folding. Quarterly Reviews of Biophysics, 2009, 42, 83-116.	5.7	137
6	Requirement for binding multiple ATPs to convert a GroEL ring to the folding-active state. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 19205-19210.	7.1	28
7	Disulfide formation as a probe of folding in GroEL-GroES reveals correct formation of long-range bonds and editing of incorrect short-range ones. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 2145-2150.	7.1	11
8	Perturbed ATPase activity and not "close confinement" of substrate in the cis cavity affects rates of folding by tail-multiplied GroEL. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 5342-5347.	7.1	44
9	Folding trajectories of human dihydrofolate reductase inside the GroEL-GroES chaperonin cavity and free in solution. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 20788-20792.	7.1	48
10	Two Families of Chaperonin: Physiology and Mechanism. Annual Review of Cell and Developmental Biology, 2007, 23, 115-145.	9.4	384
11	No evidence for a forced-unfolding mechanism during ATP/GroES binding to substrate-bound GroEL: no observable protection of metastable Rubisco intermediate or GroEL-bound Rubisco from tritium exchange. FEBS Letters, 2005, 579, 1183-1186.	2.8	20
12	Substrate polypeptide presents a load on the apical domains of the chaperonin GroEL. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 15005-15012.	7.1	74
13	Folding with and without encapsulation by cis- and trans-only GroEL-GroES complexes. EMBO Journal, 2003, 22, 3220-3230.	7.8	70
14	GroEL/GroES-Mediated Folding of a Protein Too Large to Be Encapsulated. Cell, 2001, 107, 235-246.	28.9	169
15	ATP-Bound States of GroEL Captured by Cryo-Electron Microscopy. Cell, 2001, 107, 869-879.	28.9	274
16	GroEL-GroES Cycling. Cell, 1999, 97, 325-338.	28.9	308
17	Transfer of nuclear proteins to mitochondria – a role in mitochondrial disease. BioFactors, 1998, 7, 197-199.	5.4	0
18	STRUCTURE AND FUNCTION IN GroEL-MEDIATED PROTEIN FOLDING. Annual Review of Biochemistry, 1998, 67, 581-608.	11.1	547

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19	Expression and kinetic characterization of methylmalonyl-CoA mutase from patients with the mut-phenotype: evidence for naturally occurring interallelic complementation. <i>Human Molecular Genetics</i> , 1997, 6, 1457-1464.	2.9	44
20	Distinct actions of cis and trans ATP within the double ring of the chaperonin GroEL. <i>Nature</i> , 1997, 388, 792-798.	27.8	392
21	GroEL-mediated protein folding. <i>Protein Science</i> , 1997, 6, 743-760.	7.6	318
22	Characterization of the Active Intermediate of a GroEL-GroES-Mediated Protein Folding Reaction. <i>Cell</i> , 1996, 84, 481-490.	28.9	395
23	Release of both native and non-native proteins from a cis-only GroEL ternary complex. <i>Nature</i> , 1996, 383, 96-99.	27.8	90
24	Mechanism of GroEL action: Productive release of polypeptide from a sequestered position under groes. <i>Cell</i> , 1995, 83, 577-587.	28.9	431
25	Residues in chaperonin GroEL required for polypeptide binding and release. <i>Nature</i> , 1994, 371, 614-619.	27.8	653
26	GroEL-mediated protein folding proceeds by multiple rounds of binding and release of nonnative forms. <i>Cell</i> , 1994, 78, 693-702.	28.9	375
27	Folding in vivo of bacterial cytoplasmic proteins: Role of GroEL. <i>Cell</i> , 1993, 74, 909-917.	28.9	355
28	Gene deletion and restriction fragment length polymorphisms at the human ornithine transcarbamylase locus. <i>Nature</i> , 1985, 313, 815-817.	27.8	129