

Amy J Baldwin

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

997
citations

623734

14
h-index

794594

19
g-index

21
all docs

21
docs citations

21
times ranked

1109
citing authors

#	ARTICLE	IF	CITATIONS
1	Chloroplast Biogenesis Is Regulated by Direct Action of the Ubiquitin-Proteasome System. <i>Science</i> , 2012, 338, 655-659.	12.6	221
2	The Arabidopsis <i>ppi1</i> Mutant Is Specifically Defective in the Expression, Chloroplast Import, and Accumulation of Photosynthetic Proteins[W]. <i>Plant Cell</i> , 2003, 15, 1859-1871.	6.6	153
3	A Molecular-Genetic Study of the Arabidopsis <i>Toc75</i> Gene Family. <i>Plant Physiology</i> , 2005, 138, 715-733.	4.8	117
4	Ubiquitin-dependent chloroplast-associated protein degradation in plants. <i>Science</i> , 2019, 363, .	12.6	110
5	Complete maturation of the plastid protein translocation channel requires a type I signal peptidase. <i>Journal of Cell Biology</i> , 2005, 171, 425-430.	5.2	90
6	Expanded molecular diversity generation during directed evolution by trinucleotide exchange (TriNEx). <i>Nucleic Acids Research</i> , 2008, 36, e77-e77.	14.5	45
7	Investigating protein structural plasticity by surveying the consequence of an amino acid deletion from TEM β -lactamase. <i>FEBS Letters</i> , 2007, 581, 3904-3908.	2.8	38
8	Expanded chemical diversity sampling through whole protein evolution. <i>Molecular BioSystems</i> , 2009, 5, 764.	2.9	28
9	The most C-terminal tri-glycine segment within the polyglycine stretch of the pea <i>Toc75</i> transit peptide plays a critical role for targeting the protein to the chloroplast outer envelope membrane. <i>FEBS Journal</i> , 2006, 273, 1547-1555.	4.7	27
10	Regulation of β -Lactamase Activity by Remote Binding of Heme: Functional Coupling of Unrelated Proteins through Domain Insertion. <i>Biochemistry</i> , 2010, 49, 6541-6549.	2.5	24
11	Functional Diversification of Thylakoidal Processing Peptidases in <i>Arabidopsis thaliana</i> . <i>PLoS ONE</i> , 2011, 6, e27258.	2.5	23
12	Directed evolution of GFP with non-natural amino acids identifies residues for augmenting and photoswitching fluorescence. <i>Chemical Science</i> , 2015, 6, 1159-1166.	7.4	22
13	Curcumin and derivatives function through protein phosphatase 2A and presenilin orthologues in <i>Dictyostelium discoideum</i> . <i>DMM Disease Models and Mechanisms</i> , 2018, 11, .	2.4	20
14	A new mechanism for cannabidiol in regulating the one β -carbon cycle and methionine levels in <i>Dictyostelium</i> and in mammalian epilepsy models. <i>British Journal of Pharmacology</i> , 2020, 177, 912-928.	5.4	19
15	Mutant resources for functional genomics in <i>Dictyostelium discoideum</i> using REMI-seq technology. <i>BMC Biology</i> , 2021, 19, 172.	3.8	15
16	In-Frame Amber Stop Codon Replacement Mutagenesis for the Directed Evolution of Proteins Containing Non-Canonical Amino Acids: Identification of Residues Open to Bio-Orthogonal Modification. <i>PLoS ONE</i> , 2015, 10, e0127504.	2.5	15
17	Transposon-Based Approaches for Generating Novel Molecular Diversity During Directed Evolution. <i>Methods in Molecular Biology</i> , 2014, 1179, 159-172.	0.9	10
18	Polyglycine Acts as a Rejection Signal for Protein Transport at the Chloroplast Envelope. <i>PLoS ONE</i> , 2016, 11, e0167802.	2.5	10

#	ARTICLE	IF	CITATIONS
19	Cardiff sciSCREEN: A model for using film screenings to engage publics in university research. Research for All, 0, 1, .	0.4	6
20	The genetic architecture underlying prey-dependent performance in a microbial predator. Nature Communications, 2022, 13, 319.	12.8	4
21	Dictyostelium â†. , 2018, , .		0