

Geoffrey S Waldo

List of Publications by Year in descending order

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47
papers

6,479
citations

201674

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all docs

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docs citations

47
times ranked

8999
citing authors

#	ARTICLE	IF	CITATIONS
1	Solution structure of the type I polyketide synthase Pks13 from <i>Mycobacterium tuberculosis</i> . <i>BMC Biology</i> , 2022, 20, .	3.8	5
2	Construction, characterization and crystal structure of a fluorescent single-chain Fv chimera. <i>Protein Engineering, Design and Selection</i> , 2021, 34, .	2.1	4
3	Engineering an efficient and bright split <i>Corynactis californica</i> green fluorescent protein. <i>Scientific Reports</i> , 2021, 11, 18440.	3.3	2
4	Selection and verification of antibodies against the cytoplasmic domain of M2 of influenza, a transmembrane protein. <i>MAbs</i> , 2020, 12, 1843754.	5.2	7
5	High-Throughput Isolation of Soluble Protein Domains Using a Bipartite Split-GFP Complementation System. <i>Methods in Molecular Biology</i> , 2019, 2025, 321-333.	0.9	1
6	High-Throughput Protein-Protein Interaction Assays Using Tripartite Split-GFP Complementation. <i>Methods in Molecular Biology</i> , 2019, 2025, 423-437.	0.9	6
7	A Suite of Engineered GFP Molecules for Oligomeric Scaffolding. <i>Structure</i> , 2015, 23, 1754-1768.	3.3	30
8	In-Depth High-Throughput Screening of Protein Engineering Libraries by Split-GFP Direct Crude Cell Extract Data Normalization. <i>Chemistry and Biology</i> , 2015, 22, 1406-1414.	6.0	37
9	Subfamily-Specific Adaptations in the Structures of Two Penicillin-Binding Proteins from <i>Mycobacterium tuberculosis</i> . <i>PLoS ONE</i> , 2014, 9, e116249.	2.5	6
10	Library methods for structural biology of challenging proteins and their complexes. <i>Current Opinion in Structural Biology</i> , 2013, 23, 403-408.	5.7	19
11	Split green fluorescent protein as a modular binding partner for protein crystallization. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2013, 69, 2513-2523.	2.5	29
12	A New Protein-Protein Interaction Sensor Based on Tripartite Split-GFP Association. <i>Scientific Reports</i> , 2013, 3, 2854.	3.3	190
13	The <i>Brucella</i> TIR-like protein TcpB interacts with the death domain of MyD88. <i>Biochemical and Biophysical Research Communications</i> , 2012, 417, 299-304.	2.1	49
14	Disulfide Bonds within the C2 Domain of RAGE Play Key Roles in Its Dimerization and Biogenesis. <i>PLoS ONE</i> , 2012, 7, e50736.	2.5	32
15	Experimental mapping of soluble protein domains using a hierarchical approach. <i>Nucleic Acids Research</i> , 2011, 39, e125-e125.	14.5	29
16	A photophysical study of two fluorogen-activating proteins bound to their cognate fluorogens. <i>Proceedings of SPIE</i> , 2011, , .	0.8	0
17	A high-throughput immobilized bead screen for stable proteins and multi-protein complexes. <i>Protein Engineering, Design and Selection</i> , 2011, 24, 565-578.	2.1	12
18	Fluorescent Labeling of Antibody Fragments Using Split GFP. <i>PLoS ONE</i> , 2011, 6, e25727.	2.5	16

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19	The optimization of in vitro high-throughput chemical lysis of Escherichia coli. Application to ACP domain of the polyketide synthase ppsC from Mycobacterium tuberculosis. Journal of Structural and Functional Genomics, 2010, 11, 41-49.	1.2	19
20	One-step split GFP staining for sensitive protein detection and localization in mammalian cells. BioTechniques, 2010, 49, 727-736.	1.8	53
21	Split GFP Complementation Assay for Quantitative Measurement of Tau Aggregation In Situ. Methods in Molecular Biology, 2010, 670, 109-123.	0.9	22
22	Directed evolution of an extremely stable fluorescent protein. Protein Engineering, Design and Selection, 2009, 22, 313-323.	2.1	58
23	Automated, high-throughput platform for protein solubility screening using a split-GFP system. Journal of Structural and Functional Genomics, 2009, 10, 47-55.	1.2	32
24	Protein production and purification. Nature Methods, 2008, 5, 135-146.	19.0	763
25	Expression and use of superfolder green fluorescent protein at high temperatures <i>in vivo</i> : a tool to study extreme thermophile biology. Environmental Microbiology, 2008, 10, 605-613.	3.8	51
26	From No Expression to High-Level Soluble Expression in Escherichia coli by Screening a Library of the Target Proteins with Randomized N-Termini. Methods in Molecular Biology, 2008, 426, 187-195.	0.9	3
27	New Molecular Reporters for Rapid Protein Folding Assays. PLoS ONE, 2008, 3, e2387.	2.5	40
28	Domain Orientation in the Inactive Response Regulator Mycobacterium tuberculosis MtrA Provides a Barrier to Activation. Biochemistry, 2007, 46, 6733-6743.	2.5	76
29	Split GFP complementation assay: a novel approach to quantitatively measure aggregation of tau <i>in situ</i> : effects of GSK3 β activation and caspase 3 cleavage. Journal of Neurochemistry, 2007, 103, 2529-2539.	3.9	69
30	Engineering and characterization of a superfolder green fluorescent protein. Nature Biotechnology, 2006, 24, 79-88.	17.5	1,949
31	In vivo and in vitro protein solubility assays using split GFP. Nature Methods, 2006, 3, 845-854.	19.0	239
32	A Comparison of the Fluorescence Dynamics of Single Molecules of a Green Fluorescent Protein: One-versus Two-Photon Excitation. ChemPhysChem, 2006, 7, 250-260.	2.1	42
33	A Toolbox of GFP Technologies. Imaging & Microscopy, 2006, 8, 60-61.	0.1	0
34	Antibody binding loop insertions as diversity elements. Nucleic Acids Research, 2006, 34, e132-e132.	14.5	37
35	Structural and functional features of an NDP kinase from the hyperthermophile crenarchaeon Pyrobaculum aerophilum. Protein Science, 2005, 14, 2562-2573.	7.6	12
36	Protein tagging and detection with engineered self-assembling fragments of green fluorescent protein. Nature Biotechnology, 2005, 23, 102-107.	17.5	781

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37	Recent Advances in GFP Folding Reporter and Split-GFP Solubility Reporter Technologies. Application to Improving the Folding and Solubility of Recalcitrant Proteins from Mycobacterium tuberculosis. Journal of Structural and Functional Genomics, 2005, 6, 113-119.	1.2	65
38	Genetic screens and directed evolution for protein solubility. Current Opinion in Chemical Biology, 2003, 7, 33-38.	6.1	137
39	Fluorobodies combine GFP fluorescence with the binding characteristics of antibodies. Nature Biotechnology, 2003, 21, 1473-1479.	17.5	31
40	Directed evolution approach to a structural genomics project: Rv2002 from Mycobacterium tuberculosis. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 455-460.	7.1	55
41	The TB Structural Genomics Consortium: Providing a Structural Foundation for Drug Discovery. Current Drug Targets Infectious Disorders, 2002, 2, 121-141.	2.1	66
42	Crystallization and preliminary X-ray crystallographic analysis of the Rv2002 gene product from Mycobacterium tuberculosis, a β^2 -ketoacyl carrier protein reductase homologue. Acta Crystallographica Section D: Biological Crystallography, 2002, 58, 303-305.	2.5	14
43	Engineering soluble proteins for structural genomics. Nature Biotechnology, 2002, 20, 927-932.	17.5	174
44	Solution structure of <i>Pyrobaculum aerophilum</i> DsrC, an archaeal homologue of the gamma subunit of dissimilatory sulfite reductase. FEBS Journal, 2001, 268, 5842-5850.	0.2	37
45	Rapid protein-folding assay using green fluorescent protein. Nature Biotechnology, 1999, 17, 691-695.	17.5	840
46	Determination of the chemical environment of sulphur in petroleum asphaltenes by X-ray absorption spectroscopy. Fuel, 1992, 71, 53-57.	6.4	133
47	Sulfur speciation in heavy petroleums: Information from X-ray absorption near-edge structure. Geochimica Et Cosmochimica Acta, 1991, 55, 801-814.	3.9	207