

# Geoffrey S Waldo

## List of Publications by Year in descending order

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47  
papers

6,479  
citations

201674

27  
h-index

233421

45  
g-index

47  
all docs

47  
docs citations

47  
times ranked

8999  
citing authors

#	ARTICLE	IF	CITATIONS
1	Engineering and characterization of a superfolder green fluorescent protein. <i>Nature Biotechnology</i> , 2006, 24, 79-88.	17.5	1,949
2	Rapid protein-folding assay using green fluorescent protein. <i>Nature Biotechnology</i> , 1999, 17, 691-695.	17.5	840
3	Protein tagging and detection with engineered self-assembling fragments of green fluorescent protein. <i>Nature Biotechnology</i> , 2005, 23, 102-107.	17.5	781
4	Protein production and purification. <i>Nature Methods</i> , 2008, 5, 135-146.	19.0	763
5	In vivo and in vitro protein solubility assays using split GFP. <i>Nature Methods</i> , 2006, 3, 845-854.	19.0	239
6	Sulfur speciation in heavy petroleums: Information from X-ray absorption near-edge structure. <i>Geochimica Et Cosmochimica Acta</i> , 1991, 55, 801-814.	3.9	207
7	A New Protein-Protein Interaction Sensor Based on Tripartite Split-GFP Association. <i>Scientific Reports</i> , 2013, 3, 2854.	3.3	190
8	Engineering soluble proteins for structural genomics. <i>Nature Biotechnology</i> , 2002, 20, 927-932.	17.5	174
9	Genetic screens and directed evolution for protein solubility. <i>Current Opinion in Chemical Biology</i> , 2003, 7, 33-38.	6.1	137
10	Determination of the chemical environment of sulphur in petroleum asphaltenes by X-ray absorption spectroscopy. <i>Fuel</i> , 1992, 71, 53-57.	6.4	133
11	Domain Orientation in the Inactive Response Regulator <i>Mycobacterium tuberculosis</i> MtrA Provides a Barrier to Activation. <i>Biochemistry</i> , 2007, 46, 6733-6743.	2.5	76
12	Split GFP complementation assay: a novel approach to quantitatively measure aggregation of tau <i>in situ</i> : effects of GSK3 <sup>β</sup> activation and caspase 3 cleavage. <i>Journal of Neurochemistry</i> , 2007, 103, 2529-2539.	3.9	69
13	The TB Structural Genomics Consortium: Providing a Structural Foundation for Drug Discovery. <i>Current Drug Targets Infectious Disorders</i> , 2002, 2, 121-141.	2.1	66
14	Recent Advances in GFP Folding Reporter and Split-GFP Solubility Reporter Technologies. Application to Improving the Folding and Solubility of Recalcitrant Proteins from <i>Mycobacterium tuberculosis</i> . <i>Journal of Structural and Functional Genomics</i> , 2005, 6, 113-119.	1.2	65
15	Directed evolution of an extremely stable fluorescent protein. <i>Protein Engineering, Design and Selection</i> , 2009, 22, 313-323.	2.1	58
16	Directed evolution approach to a structural genomics project: Rv2002 from <i>Mycobacterium tuberculosis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 455-460.	7.1	55
17	One-step split GFP staining for sensitive protein detection and localization in mammalian cells. <i>BioTechniques</i> , 2010, 49, 727-736.	1.8	53
18	Expression and use of superfolder green fluorescent protein at high temperatures <i>in vivo</i> : a tool to study extreme thermophile biology. <i>Environmental Microbiology</i> , 2008, 10, 605-613.	3.8	51

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19	The Brucella 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
20	A Comparison of the Fluorescence Dynamics of Single Molecules of a Green Fluorescent Protein: One-versus Two-Photon Excitation. <i>ChemPhysChem</i> , 2006, 7, 250-260.	2.1	42
21	New Molecular Reporters for Rapid Protein Folding Assays. <i>PLoS ONE</i> , 2008, 3, e2387.	2.5	40
22	Solution structure of <i>Pyrobaculum aerophilum</i> DsrC, an archaeal homologue of the gamma subunit of dissimilatory sulfite reductase. <i>FEBS Journal</i> , 2001, 268, 5842-5850.	0.2	37
23	Antibody binding loop insertions as diversity elements. <i>Nucleic Acids Research</i> , 2006, 34, e132-e132.	14.5	37
24	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
25	Automated, high-throughput platform for protein solubility screening using a split-GFP system. <i>Journal of Structural and Functional Genomics</i> , 2009, 10, 47-55.	1.2	32
26	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
27	Fluorobodies combine GFP fluorescence with the binding characteristics of antibodies. <i>Nature Biotechnology</i> , 2003, 21, 1473-1479.	17.5	31
28	A Suite of Engineered GFP Molecules for Oligomeric Scaffolding. <i>Structure</i> , 2015, 23, 1754-1768.	3.3	30
29	Experimental mapping of soluble protein domains using a hierarchical approach. <i>Nucleic Acids Research</i> , 2011, 39, e125-e125.	14.5	29
30	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
31	Split GFP Complementation Assay for Quantitative Measurement of Tau Aggregation In Situ. <i>Methods in Molecular Biology</i> , 2010, 670, 109-123.	0.9	22
32	The optimization of in vitro high-throughput chemical lysis of <i>Escherichia coli</i> . Application to ACP domain of the polyketide synthase ppsC from <i>Mycobacterium tuberculosis</i> . <i>Journal of Structural and Functional Genomics</i> , 2010, 11, 41-49.	1.2	19
33	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
34	Fluorescent Labeling of Antibody Fragments Using Split GFP. <i>PLoS ONE</i> , 2011, 6, e25727.	2.5	16
35	Crystallization and preliminary X-ray crystallographic analysis of the Rv2002 gene product from <i>Mycobacterium tuberculosis</i> , a $\beta^2$ -ketoacyl carrier protein reductase homologue. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2002, 58, 303-305.	2.5	14
36	Structural and functional features of an NDP kinase from the hyperthermophile crenarchaeon <i>Pyrobaculum aerophilum</i> . <i>Protein Science</i> , 2005, 14, 2562-2573.	7.6	12

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37	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
38	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
39	High-Throughput Protein-Protein Interaction Assays Using Tripartite Split-GFP Complementation. <i>Methods in Molecular Biology</i> , 2019, 2025, 423-437.	0.9	6
40	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
41	Solution structure of the type I polyketide synthase Pks13 from <i>Mycobacterium tuberculosis</i> . <i>BMC Biology</i> , 2022, 20, .	3.8	5
42	Construction, characterization and crystal structure of a fluorescent single-chain Fv chimera. <i>Protein Engineering, Design and Selection</i> , 2021, 34, .	2.1	4
43	From No Expression to High-Level Soluble Expression in <i>Escherichia coli</i> by Screening a Library of the Target Proteins with Randomized N-Termini. <i>Methods in Molecular Biology</i> , 2008, 426, 187-195.	0.9	3
44	Engineering an efficient and bright split <i>Corynactis californica</i> green fluorescent protein. <i>Scientific Reports</i> , 2021, 11, 18440.	3.3	2
45	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
46	A Toolbox of GFP Technologies. <i>Imaging &amp; Microscopy</i> , 2006, 8, 60-61.	0.1	0
47	A photophysical study of two fluorogen-activating proteins bound to their cognate fluorogens. <i>Proceedings of SPIE</i> , 2011, , .	0.8	0