

Stephanie Cabantous

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

4,038
citations

361413

20
h-index

330143

37
g-index

40
all docs

40
docs citations

40
times ranked

6266
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	Protein tagging and detection with engineered self-assembling fragments of green fluorescent protein. <i>Nature Biotechnology</i> , 2005, 23, 102-107.	17.5	781
3	In vivo and in vitro protein solubility assays using split GFP. <i>Nature Methods</i> , 2006, 3, 845-854.	19.0	239
4	A New Protein-Protein Interaction Sensor Based on Tripartite Split-GFP Association. <i>Scientific Reports</i> , 2013, 3, 2854.	3.3	190
5	X-ray Analysis of the NMC-A β -Lactamase at 1.64-Å... Resolution, a Class A Carbapenemase with Broad Substrate Specificity. <i>Journal of Biological Chemistry</i> , 1998, 273, 26714-26721.	3.4	79
6	X-ray Structure of the Asn276Asp Variant of the <i>Escherichia coli</i> TEM-1 β -Lactamase: A Direct Observation of Electrostatic Modulation in Resistance to Inactivation by Clavulanic Acid. <i>Biochemistry</i> , 1999, 38, 9570-9576.	2.5	69
7	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
8	4-Phosphopantetheinyl Transferase PptT, a New Drug Target Required for <i>Mycobacterium tuberculosis</i> Growth and Persistence In Vivo. <i>PLoS Pathogens</i> , 2012, 8, e1003097.	4.7	63
9	One-step split GFP staining for sensitive protein detection and localization in mammalian cells. <i>BioTechniques</i> , 2010, 49, 727-736.	1.8	53
10	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
11	Development and Applications of Superfolder and Split Fluorescent Protein Detection Systems in Biology. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3479.	4.1	44
12	New Molecular Reporters for Rapid Protein Folding Assays. <i>PLoS ONE</i> , 2008, 3, e2387.	2.5	40
13	The molecular puzzle of two-component signaling cascades. <i>Microbes and Infection</i> , 2001, 3, 417-424.	1.9	39
14	A muscle-specific μ Rf1 network requires stabilization of μ Rf1 complexes by telethonin, a newly identified substrate. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2018, 9, 129-145.	7.3	36
15	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
16	A Targeted Protein Degradation Cell-Based Screening for Nanobodies Selective toward the Cellular RHO GTP-Bound Conformation. <i>Cell Chemical Biology</i> , 2019, 26, 1544-1558.e6.	5.2	32
17	Experimental mapping of soluble protein domains using a hierarchical approach. <i>Nucleic Acids Research</i> , 2011, 39, e125-e125.	14.5	29
18	Modulation of innate immune signaling by a <i>Coxiella burnetii</i> eukaryotic-like effector protein. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 13708-13718.	7.1	26

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19	Crystallographic and Biochemical Studies of DivK Reveal Novel Features of an Essential Response Regulator in <i>Caulobacter crescentus</i> . <i>Journal of Biological Chemistry</i> , 2002, 277, 42003-42010.	3.4	25
20	High-content tripartite split-GFP cell-based assays to screen for modulators of small GTPase activation. <i>Journal of Cell Science</i> , 2018, 131, .	2.0	25
21	Further insights into the mechanism of function of the response regulator CheY from crystallographic studies of the CheYâ€“CheA124â€“257 complex. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2001, 57, 44-51.	2.5	22
22	Insights into animal septins using recombinant human septin octamers with distinct SEPT9 isoforms. <i>Journal of Cell Science</i> , 2021, 134, .	2.0	19
23	In vivo interactions of TTDA mutant proteins within TFIIH. <i>Journal of Cell Science</i> , 2013, 126, 3278-83.	2.0	15
24	Large expert-curated database for benchmarking document similarity detection in biomedical literature search. <i>Database: the Journal of Biological Databases and Curation</i> , 2019, 2019, .	3.0	15
25	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
26	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
27	Detection of soluble co-factor dependent protein expression in vivo : Application to the 4â€“phosphopantetheinyl transferase PptT from <i>Mycobacterium tuberculosis</i> . <i>Journal of Structural Biology</i> , 2013, 183, 320-328.	2.8	10
28	Water Distribution within Wild-Type NRas Protein and Q61 Mutants during Unrestrained QM/MM Dynamics. <i>Biophysical Journal</i> , 2018, 115, 1417-1430.	0.5	10
29	Cytoplasmic p27 ^{Kip1} promotes tumorigenesis via suppression of RhoB activity. <i>Journal of Pathology</i> , 2019, 247, 60-71.	4.5	8
30	Characterization and crystallization of DivK, an essential response regulator for cell division and differentiation in <i>Caulobacter crescentus</i> . <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2002, 58, 1249-1251.	2.5	6
31	High-Throughput Proteinâ€“Protein Interaction Assays Using Tripartite Split-GFP Complementation. <i>Methods in Molecular Biology</i> , 2019, 2025, 423-437.	0.9	6
32	Solution structure of the type I polyketide synthase Pks13 from <i>Mycobacterium tuberculosis</i> . <i>BMC Biology</i> , 2022, 20, .	3.8	5
33	Hybrid QM/MM vs Pure MM Molecular Dynamics for Evaluating Water Distribution within p21 ^{N-ras} and the Resulting GTP Electronic Density. <i>Journal of Physical Chemistry B</i> , 2019, 123, 3935-3944.	2.6	3
34	Î³ T Cells Activation Through Phosphoantigens Can Be Impaired by a RHOB Rerouting in Lung Cancer. <i>Frontiers in Immunology</i> , 2020, 11, 1396.	4.8	3
35	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
36	Split-GFP as a tool for finding soluble protein domains. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2007, 63, s12-s13.	0.3	1

#	ARTICLE	IF	CITATIONS
37	A Toolbox of GFP Technologies. <i>Imaging & Microscopy</i> , 2006, 8, 60-61.	0.1	0