

Zach Serber

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10439770/publications.pdf>

Version: 2024-02-01

14
papers

1,720
citations

623734

14
h-index

1058476

14
g-index

14
all docs

14
docs citations

14
times ranked

1906
citing authors

#	ARTICLE	IF	CITATIONS
1	A Mechanism for the Evolution of Phosphorylation Sites. <i>Cell</i> , 2011, 147, 934-946.	28.9	215
2	Quantitative NMR analysis of the protein G B1 domain in <i>Xenopus laevis</i> egg extracts and intact oocytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 11904-11909.	7.1	214
3	High-Resolution Macromolecular NMR Spectroscopy Inside Living Cells. <i>Journal of the American Chemical Society</i> , 2001, 123, 2446-2447.	13.7	187
4	A C-Terminal Inhibitory Domain Controls the Activity of p63 by an Intramolecular Mechanism. <i>Molecular and Cellular Biology</i> , 2002, 22, 8601-8611.	2.3	183
5	In-Cell NMR Spectroscopy. <i>Biochemistry</i> , 2001, 40, 14317-14323.	2.5	159
6	Evaluation of Parameters Critical to Observing Proteins Inside Living <i>Escherichia coli</i> by In-Cell NMR Spectroscopy. <i>Journal of the American Chemical Society</i> , 2001, 123, 8895-8901.	13.7	127
7	Investigating macromolecules inside cultured and injected cells by in-cell NMR spectroscopy. <i>Nature Protocols</i> , 2006, 1, 2701-2709.	12.0	120
8	Tuning Bulk Electrostatics to Regulate Protein Function. <i>Cell</i> , 2007, 128, 441-444.	28.9	108
9	New Carbon-Detected Protein NMR Experiments Using CryoProbes. <i>Journal of the American Chemical Society</i> , 2000, 122, 3554-3555.	13.7	92
10	In-Cell NMR Spectroscopy. <i>Methods in Enzymology</i> , 2005, 394, 17-41.	1.0	89
11	Methyl Groups as Probes for Proteins and Complexes in In-Cell NMR Experiments. <i>Journal of the American Chemical Society</i> , 2004, 126, 7119-7125.	13.7	84
12	Quantitative Identification of the Protonation State of Histidines in Vitro and in Vivo. <i>Biochemistry</i> , 2003, 42, 9227-9234.	2.5	61
13	Carbon-Detected NMR Experiments To Investigate Structure and Dynamics of Biological Macromolecules. <i>ChemBioChem</i> , 2001, 2, 247-251.	2.6	56
14	Efficient identification of amino acid types for fast protein backbone assignments. <i>Journal of Biomolecular NMR</i> , 2001, 21, 269-273.	2.8	25