

Matthias C Truttmann

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

1,987
citations

471509

17
h-index

642732

23
g-index

26
all docs

26
docs citations

26
times ranked

3832
citing authors

#	ARTICLE	IF	CITATIONS
1	Increasing the efficiency of precise genome editing with CRISPR-Cas9 by inhibition of nonhomologous end joining. <i>Nature Biotechnology</i> , 2015, 33, 538-542.	17.5	945
2	Protection of tissue physicochemical properties using polyfunctional crosslinkers. <i>Nature Biotechnology</i> , 2019, 37, 73-83.	17.5	262
3	Recent advances in sortase-catalyzed ligation methodology. <i>Current Opinion in Structural Biology</i> , 2016, 38, 111-118.	5.7	127
4	Post-translational modifications of Hsp70 family proteins: Expanding the chaperone code. <i>Journal of Biological Chemistry</i> , 2020, 295, 10689-10708.	3.4	103
5	A translocated protein of <i>Bartonella henselae</i> interferes with endocytic uptake of individual bacteria and triggers uptake of large bacterial aggregates via the invasome. <i>Cellular Microbiology</i> , 2009, 11, 927-945.	2.1	53
6	Combined action of the type IV secretion effector proteins BepC and BepF promotes invasome formation of <i>Bartonella henselae</i> on endothelial and epithelial cells. <i>Cellular Microbiology</i> , 2011, 13, 284-299.	2.1	48
7	Hepta-Mutant <i>Staphylococcus aureus</i> Sortase A (SrtA ^{7m}) as a Tool for <i>In Vivo</i> Protein Labeling in <i>Caenorhabditis elegans</i> . <i>ACS Chemical Biology</i> , 2017, 12, 664-673.	3.4	47
8	The <i>Caenorhabditis elegans</i> Protein FIC-1 Is an AMPylase That Covalently Modifies Heat-Shock 70 Family Proteins, Translation Elongation Factors and Histones. <i>PLoS Genetics</i> , 2016, 12, e1006023.	3.5	45
9	<i>Bartonella henselae</i> trimeric autotransporter adhesin BadA expression interferes with effector translocation by the VirB/D4 type IV secretion system. <i>Cellular Microbiology</i> , 2013, 15, 759-778.	2.1	43
10	Site-Specific Protein Labeling via Sortase-Mediated Transpeptidation. <i>Current Protocols in Protein Science</i> , 2017, 89, 15.3.1-15.3.19.	2.8	40
11	HypE-specific Nanobodies as Tools to Modulate HypE-mediated Target AMPylation. <i>Journal of Biological Chemistry</i> , 2015, 290, 9087-9100.	3.4	39
12	Simultaneous analysis of large-scale RNAi screens for pathogen entry. <i>BMC Genomics</i> , 2014, 15, 1162.	2.8	38
13	Unrestrained AMPylation targets cytosolic chaperones and activates the heat shock response. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E152-E160.	7.1	37
14	Chaperone AMPylation modulates aggregation and toxicity of neurodegenerative disease-associated polypeptides. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E5008-E5017.	7.1	31
15	<i>Caenorhabditis elegans</i> as a model system for studying aging-associated neurodegenerative diseases. <i>Translational Medicine of Aging</i> , 2020, 4, 60-72.	1.3	27
16	<i>Bartonella henselae</i> engages inside-out and outside-in signaling by integrin β 21 and talin1 during invasome-mediated bacterial uptake. <i>Journal of Cell Science</i> , 2011, 124, 3591-3602.	2.0	22
17	rAMPing Up Stress Signaling: Protein AMPylation in Metazoans. <i>Trends in Cell Biology</i> , 2017, 27, 608-620.	7.9	19
18	BID-F1 and BID-F2 Domains of <i>Bartonella henselae</i> Effector Protein BepF Trigger Together with BepC the Formation of Invasome Structures. <i>PLoS ONE</i> , 2011, 6, e25106.	2.5	19

#	ARTICLE	IF	CITATIONS
19	Deletion of mFICD AMPylase alters cytokine secretion and affects visual short-term learning inÂvivo. Journal of Biological Chemistry, 2021, 297, 100991.	3.4	10
20	Fic and non-Fic AMPylases: protein AMPylation in metazoans. Open Biology, 2021, 11, 210009.	3.6	5
21	Explaining inter-lab variance in C. elegans N2 lifespan: Making a case for standardized reporting to enhance reproducibility. Experimental Gerontology, 2021, 156, 111622.	2.8	5
22	In vitro AMPylation Assays Using Purified, Recombinant Proteins. Bio-protocol, 2017, 7, .	0.4	2
23	Over-expression of the constitutive AMPylase FIC-1(E274G) does not deplete cellular ATP pools in. MicroPublication Biology, 2021, 2021, .	0.1	0