

Remigiusz A Serwa

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

1,876
citations

304743

22
h-index

289244

40
g-index

43
all docs

43
docs citations

43
times ranked

2358
citing authors

#	ARTICLE	IF	CITATIONS
1	Global profiling of co- and post-translationally N-myristoylated proteomes in human cells. <i>Nature Communications</i> , 2014, 5, 4919.	12.8	199
2	Validation of N-myristoyltransferase as an antimalarial drug target using an integrated chemical biology approach. <i>Nature Chemistry</i> , 2014, 6, 112-121.	13.6	196
3	Chemoselective Staudinger-Phosphite Reaction of Azides for the Phosphorylation of Proteins. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 8234-8239.	13.8	126
4	Dynamic Protein Acylation: New Substrates, Mechanisms, and Drug Targets. <i>Trends in Biochemical Sciences</i> , 2017, 42, 566-581.	7.5	113
5	Global Analysis of Protein N-Myristoylation and Exploration of N-Myristoyltransferase as a Drug Target in the Neglected Human Pathogen <i>Leishmania donovani</i> . <i>Chemistry and Biology</i> , 2015, 22, 342-354.	6.0	90
6	Synthesis and Reactivity of Some 6-Substituted-2,4-dimethyl-3-pyridinols, a Novel Class of Chain-Breaking Antioxidants. <i>Journal of Organic Chemistry</i> , 2004, 69, 9215-9223.	3.2	83
7	Multifunctional Reagents for Quantitative Proteome-Wide Analysis of Protein Modification in Human Cells and Dynamic Profiling of Protein Lipidation During Vertebrate Development. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 5948-5951.	13.8	81
8	Dual chemical probes enable quantitative system-wide analysis of protein prenylation and prenylation dynamics. <i>Nature Chemistry</i> , 2019, 11, 552-561.	13.6	80
9	Site-specific PEGylation of proteins by a Staudinger-phosphite reaction. <i>Chemical Science</i> , 2010, 1, 596.	7.4	77
10	A fluorescence-based assay for N-myristoyltransferase activity. <i>Analytical Biochemistry</i> , 2012, 421, 342-344.	2.4	69
11	Site-Specifically Phosphorylated Lysine Peptides. <i>Journal of the American Chemical Society</i> , 2014, 136, 13622-13628.	13.7	68
12	Systems Analysis of Protein Fatty Acylation in Herpes Simplex Virus-Infected Cells Using Chemical Proteomics. <i>Chemistry and Biology</i> , 2015, 22, 1008-1017.	6.0	60
13	AWZ1066S, a highly specific anti- <i>Wolbachia</i> drug candidate for a short-course treatment of filariasis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 1414-1419.	7.1	57
14	Global Profiling of Huntingtin-associated protein E (HYPE)-Mediated AMPylation through a Chemical Proteomic Approach. <i>Molecular and Cellular Proteomics</i> , 2016, 15, 715-725.	3.8	56
15	Preparation and Investigation of Vitamin B ₆ -Derived Aminopyridinol Antioxidants. <i>Chemistry - A European Journal</i> , 2010, 16, 14106-14114.	3.3	42
16	Capture and release of alkyne-derivatized glycerophospholipids using cobalt chemistry. <i>Nature Chemical Biology</i> , 2010, 6, 205-207.	8.0	41
17	Site-specific functionalisation of proteins by a Staudinger-type reaction using unsymmetrical phosphites. <i>Chemical Communications</i> , 2010, 46, 3176.	4.1	41
18	Stabilization of Peptides for Intracellular Applications by Phosphoramidate-Linked Polyethylene Glycol Chains. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 11920-11924.	13.8	37

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19	New chemical probes targeting cholesterylation of Sonic Hedgehog in human cells and zebrafish. <i>Chemical Science</i> , 2014, 5, 4249-4259.	7.4	37
20	Automated fluorescence lifetime imaging plate reader and its application to Förster resonant energy transfer readout of Gag protein aggregation. <i>Journal of Biophotonics</i> , 2013, 6, 398-408.	2.3	28
21	¹⁸ O-Alkynyl Lipid Surrogates for Polyunsaturated Fatty Acids: Free Radical and Enzymatic Oxidations. <i>Journal of the American Chemical Society</i> , 2014, 136, 11529-11539.	13.7	25
22	Whole Proteome Profiling of N-Myristoyltransferase Activity and Inhibition Using Sortase A. <i>Molecular and Cellular Proteomics</i> , 2019, 18, 115-126.	3.8	22
23	Action of 6-amino-3-pyridinols as novel antioxidants against free radicals and oxidative stress in solution, plasma, and cultured cells. <i>Free Radical Biology and Medicine</i> , 2010, 48, 1358-1365.	2.9	21
24	Chemical proteomics: a powerful tool for exploring protein lipidation. <i>Biochemical Society Transactions</i> , 2013, 41, 56-61.	3.4	21
25	Spatial and Temporal Resolution of Global Protein Synthesis during HSV Infection Using Bioorthogonal Precursors and Click Chemistry. <i>PLoS Pathogens</i> , 2016, 12, e1005927.	4.7	21
26	Chemoproteomic Evaluation of the Polyacetylene Callyspongynic Acid. <i>Chemistry - A European Journal</i> , 2015, 21, 10721-10728.	3.3	20
27	Remote Activation of Host Cell DNA Synthesis in Uninfected Cells Signaled by Infected Cells in Advance of Virus Transmission. <i>Journal of Virology</i> , 2015, 89, 11107-11115.	3.4	20
28	A New Chemical Handle for Protein AMPylation at the Host-Pathogen Interface. <i>ChemBioChem</i> , 2012, 13, 183-185.	2.6	17
29	Proteasome activity contributes to pro-survival response upon mild mitochondrial stress in <i>Caenorhabditis elegans</i> . <i>PLoS Biology</i> , 2021, 19, e3001302.	5.6	16
30	Phosphoramidate-peptide synthesis by solution- and solid-phase Staudinger-phosphite reactions. <i>Journal of Peptide Science</i> , 2010, 16, 563-567.	1.4	13
31	Activity-Based Profiling for Drug Discovery. <i>Chemistry and Biology</i> , 2011, 18, 407-409.	6.0	11
32	Automated multiwell fluorescence lifetime imaging for Förster resonance energy transfer assays and high content analysis. <i>Analytical Methods</i> , 2015, 7, 4071-4089.	2.7	10
33	Myristoylation profiling in human cells and zebrafish. <i>Data in Brief</i> , 2015, 4, 379-383.	1.0	9
34	Open Source High Content Analysis Utilizing Automated Fluorescence Lifetime Imaging Microscopy. <i>Journal of Visualized Experiments</i> , 2017, , .	0.3	9
35	Site-Specific Modification of Proteins by the Staudinger-Phosphite Reaction. <i>Methods in Molecular Biology</i> , 2012, 794, 241-249.	0.9	7
36	Analysis of a fully infectious bio-orthogonally modified human virus reveals novel features of virus cell entry. <i>PLoS Pathogens</i> , 2019, 15, e1007956.	4.7	7

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37	Rational design, optimization, and biological evaluation of novel $\hat{\pm}$ -Phosphonopropionic acids as covalent inhibitors of Rab geranylgeranyl transferase. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2022, 37, 940-951.	5.2	2