

Matthew M Bogyo

List of Publications by Citations

Source: <https://exaly.com/author-pdf/8977981/matthew-m-bogyo-publications-by-citations.pdf>

Version: 2024-04-20

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

274
papers

18,585
citations

72
h-index

127
g-index

342
ext. papers

20,860
ext. citations

9.6
avg, IF

6.62
L-index

#	Paper	IF	Citations
274	Sec61-mediated transfer of a membrane protein from the endoplasmic reticulum to the proteasome for destruction. <i>Nature</i> , 1996 , 384, 432-8	50.4	970
273	The human cytomegalovirus US11 gene product dislocates MHC class I heavy chains from the endoplasmic reticulum to the cytosol. <i>Cell</i> , 1996 , 84, 769-79	56.2	941
272	Cathepsin cysteine proteases are effectors of invasive growth and angiogenesis during multistage tumorigenesis. <i>Cancer Cell</i> , 2004 , 5, 443-53	24.3	507
271	Epoxide electrophiles as activity-dependent cysteine protease profiling and discovery tools. <i>Chemistry and Biology</i> , 2000 , 7, 569-81		461
270	Noninvasive optical imaging of cysteine protease activity using fluorescently quenched activity-based probes. <i>Nature Chemical Biology</i> , 2007 , 3, 668-77	11.7	365
269	Ferri-liposomes as an MRI-visible drug-delivery system for targeting tumours and their microenvironment. <i>Nature Nanotechnology</i> , 2011 , 6, 594-602	28.7	321
268	Substrate profiling of cysteine proteases using a combinatorial peptide library identifies functionally unique specificities. <i>Journal of Biological Chemistry</i> , 2006 , 281, 12824-32	5.4	304
267	Activity-based probes that target diverse cysteine protease families. <i>Nature Chemical Biology</i> , 2005 , 1, 33-8	11.7	291
266	A cathepsin L isoform that is devoid of a signal peptide localizes to the nucleus in S phase and processes the CDP/Cux transcription factor. <i>Molecular Cell</i> , 2004 , 14, 207-19	17.6	288
265	Dynamic imaging of protease activity with fluorescently quenched activity-based probes. <i>Nature Chemical Biology</i> , 2005 , 1, 203-9	11.7	287
264	Tumor cell-derived and macrophage-derived cathepsin B promotes progression and lung metastasis of mammary cancer. <i>Cancer Research</i> , 2006 , 66, 5242-50	10.1	286
263	Noninvasive optical imaging of apoptosis by caspase-targeted activity-based probes. <i>Nature Medicine</i> , 2009 , 15, 967-73	50.5	248
262	A role for the protease falcipain 1 in host cell invasion by the human malaria parasite. <i>Science</i> , 2002 , 298, 2002-6	33.3	247
261	Chemical approaches for functionally probing the proteome. <i>Molecular and Cellular Proteomics</i> , 2002 , 1, 60-8	7.6	241
260	A proteolytic system that compensates for loss of proteasome function. <i>Nature</i> , 1998 , 392, 618-22	50.4	237
259	Nucleic acid recognition by Toll-like receptors is coupled to stepwise processing by cathepsins and asparagine endopeptidase. <i>Journal of Experimental Medicine</i> , 2011 , 208, 643-51	16.6	225
258	Activity-based profiling of proteases. <i>Annual Review of Biochemistry</i> , 2014 , 83, 249-73	29.1	218

257	Identification of proteases that regulate erythrocyte rupture by the malaria parasite Plasmodium falciparum. <i>Nature Chemical Biology</i> , 2008 , 4, 203-13	11.7	203
256	Tagging and detection strategies for activity-based proteomics. <i>Current Opinion in Chemical Biology</i> , 2007 , 11, 20-8	9.7	201
255	Chemical proteomics and its application to drug discovery. <i>Current Opinion in Biotechnology</i> , 2003 , 14, 87-95	11.4	191
254	Cathepsin L in secretory vesicles functions as a prohormone-processing enzyme for production of the enkephalin peptide neurotransmitter. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 9590-5	11.5	186
253	Selective targeting of lysosomal cysteine proteases with radiolabeled electrophilic substrate analogs. <i>Chemistry and Biology</i> , 2000 , 7, 27-38		182
252	Activity-based probes as a tool for functional proteomic analysis of proteases. <i>Expert Review of Proteomics</i> , 2008 , 5, 721-30	4.2	179
251	Inhibition of papain-like cysteine proteases and legumain by caspase-specific inhibitors: when reaction mechanism is more important than specificity. <i>Cell Death and Differentiation</i> , 2003 , 10, 881-8	12.7	174
250	Regulation of collagenase activities of human cathepsins by glycosaminoglycans. <i>Journal of Biological Chemistry</i> , 2004 , 279, 5470-9	5.4	171
249	A Bright Future for Precision Medicine: Advances in Fluorescent Chemical Probe Design and Their Clinical Application. <i>Cell Chemical Biology</i> , 2016 , 23, 122-136	8.2	155
248	Cathepsin B inhibition limits bone metastasis in breast cancer. <i>Cancer Research</i> , 2012 , 72, 1199-209	10.1	153
247	Substrate binding and sequence preference of the proteasome revealed by active-site-directed affinity probes. <i>Chemistry and Biology</i> , 1998 , 5, 307-20		153
246	Structure- and function-based design of Plasmodium-selective proteasome inhibitors. <i>Nature</i> , 2016 , 530, 233-6	50.4	150
245	Small molecule affinity fingerprinting. A tool for enzyme family subclassification, target identification, and inhibitor design. <i>Chemistry and Biology</i> , 2002 , 9, 1085-94		143
244	Improved quenched fluorescent probe for imaging of cysteine cathepsin activity. <i>Journal of the American Chemical Society</i> , 2013 , 135, 14726-30	16.4	142
243	Active site mapping, biochemical properties and subcellular localization of rhodesain, the major cysteine protease of Trypanosoma brucei rhodesiense. <i>Molecular and Biochemical Parasitology</i> , 2001 , 118, 61-73	1.9	138
242	Cathepsin V, a novel and potent elastolytic activity expressed in activated macrophages. <i>Journal of Biological Chemistry</i> , 2004 , 279, 36761-70	5.4	137
241	Multiple Cathepsins Promote Pro-IL-1 β Synthesis and NLRP3-Mediated IL-1 β Activation. <i>Journal of Immunology</i> , 2015 , 195, 1685-97	5.3	136
240	Functional imaging of proteases: recent advances in the design and application of substrate-based and activity-based probes. <i>Current Opinion in Chemical Biology</i> , 2011 , 15, 798-805	9.7	133

239	Functional expression and characterization of <i>Schistosoma mansoni</i> cathepsin B and its trans-activation by an endogenous asparaginyl endopeptidase. <i>Molecular and Biochemical Parasitology</i> , 2003 , 131, 65-75	1.9	128
238	Hemoglobin digestion in blood-feeding ticks: mapping a multi-peptidase pathway by functional proteomics. <i>Chemistry and Biology</i> , 2009 , 16, 1053-63		126
237	Subclassification and biochemical analysis of plant papain-like cysteine proteases displays subfamily-specific characteristics. <i>Plant Physiology</i> , 2012 , 158, 1583-99	6.6	121
236	New approaches for dissecting protease functions to improve probe development and drug discovery. <i>Nature Structural and Molecular Biology</i> , 2012 , 19, 9-16	17.6	120
235	How an inhibitor of the HIV-1 protease modulates proteasome activity. <i>Journal of Biological Chemistry</i> , 1999 , 274, 35734-40	5.4	118
234	Target deconvolution techniques in modern phenotypic profiling. <i>Current Opinion in Chemical Biology</i> , 2013 , 17, 118-26	9.7	117
233	Enzyme activity--it's all about image. <i>Trends in Cell Biology</i> , 2004 , 14, 29-35	18.3	117
232	Activity profiling of papain-like cysteine proteases in plants. <i>Plant Physiology</i> , 2004 , 135, 1170-8	6.6	116
231	Vasohibins/SVBP are tubulin carboxypeptidases (TCPs) that regulate neuron differentiation. <i>Science</i> , 2017 , 358, 1448-1453	33.3	113
230	Functional imaging of legumain in cancer using a new quenched activity-based probe. <i>Journal of the American Chemical Society</i> , 2013 , 135, 174-82	16.4	111
229	Inhibition of cathepsin B reduces beta-amyloid production in regulated secretory vesicles of neuronal chromaffin cells: evidence for cathepsin B as a candidate beta-secretase of Alzheimer's disease. <i>Biological Chemistry</i> , 2005 , 386, 931-40	4.5	110
228	O-sulfonation of serine and threonine: mass spectrometric detection and characterization of a new posttranslational modification in diverse proteins throughout the eukaryotes. <i>Molecular and Cellular Proteomics</i> , 2004 , 3, 429-40	7.6	108
227	Individuals with progranulin haploinsufficiency exhibit features of neuronal ceroid lipofuscinosis. <i>Science Translational Medicine</i> , 2017 , 9,	17.5	107
226	Rab35 controls actin bundling by recruiting fascin as an effector protein. <i>Science</i> , 2009 , 325, 1250-4	33.3	107
225	Identification of early intermediates of caspase activation using selective inhibitors and activity-based probes. <i>Molecular Cell</i> , 2006 , 23, 509-21	17.6	107
224	Caspase-8 association with the focal adhesion complex promotes tumor cell migration and metastasis. <i>Cancer Research</i> , 2009 , 69, 3755-63	10.1	104
223	Increased expression and activity of nuclear cathepsin L in cancer cells suggests a novel mechanism of cell transformation. <i>Molecular Cancer Research</i> , 2007 , 5, 899-907	6.6	103
222	Activity based probes for proteases: applications to biomarker discovery, molecular imaging and drug screening. <i>Current Pharmaceutical Design</i> , 2007 , 13, 253-61	3.3	102

221	Inhibition of cysteine cathepsin protease activity enhances chemotherapy regimens by decreasing tumor growth and invasiveness in a mouse model of multistage cancer. <i>Cancer Research</i> , 2007 , 67, 7378-85	10.1	102
220	Successful Translation of Fluorescence Navigation During Oncologic Surgery: A Consensus Report. <i>Journal of Nuclear Medicine</i> , 2016 , 57, 144-50	8.9	101
219	Release of signal peptide fragments into the cytosol requires cleavage in the transmembrane region by a protease activity that is specifically blocked by a novel cysteine protease inhibitor. <i>Journal of Biological Chemistry</i> , 2000 , 275, 30951-6	5.4	101
218	Disruption of glycolytic flux is a signal for inflammasome signaling and pyroptotic cell death. <i>ELife</i> , 2016 , 5, e13663	8.9	101
217	Small molecule-induced allosteric activation of the <i>Vibrio cholerae</i> RTX cysteine protease domain. <i>Science</i> , 2008 , 322, 265-8	33.3	100
216	A small-molecule antivirulence agent for treating <i>Clostridium difficile</i> infection. <i>Science Translational Medicine</i> , 2015 , 7, 306ra148	17.5	99
215	VEGF-A induces angiogenesis by perturbing the cathepsin-cysteine protease inhibitor balance in venules, causing basement membrane degradation and mother vessel formation. <i>Cancer Research</i> , 2009 , 69, 4537-44	10.1	97
214	Activity-based protein profiling: applications to biomarker discovery, in vivo imaging and drug discovery. <i>Molecular Diagnosis and Therapy</i> , 2004 , 4, 371-81		97
213	Live-cell imaging demonstrates extracellular matrix degradation in association with active cathepsin B in caveolae of endothelial cells during tube formation. <i>Experimental Cell Research</i> , 2009 , 315, 1234-46	4.2	92
212	Commonly used caspase inhibitors designed based on substrate specificity profiles lack selectivity. <i>Cell Research</i> , 2006 , 16, 961-3	24.7	92
211	A nonpeptidic cathepsin S activity-based probe for noninvasive optical imaging of tumor-associated macrophages. <i>Chemistry and Biology</i> , 2012 , 19, 619-28		90
210	Inhibition of NGLY1 Inactivates the Transcription Factor Nrf1 and Potentiates Proteasome Inhibitor Cytotoxicity. <i>ACS Central Science</i> , 2017 , 3, 1143-1155	16.8	84
209	Proteomic analysis of fractionated <i>Toxoplasma</i> oocysts reveals clues to their environmental resistance. <i>PLoS ONE</i> , 2012 , 7, e29955	3.7	83
208	Aminopeptidase fingerprints, an integrated approach for identification of good substrates and optimal inhibitors. <i>Journal of Biological Chemistry</i> , 2010 , 285, 3310-8	5.4	82
207	Targeted disruption of <i>Plasmodium falciparum</i> cysteine protease, falcipain 1, reduces oocyst production, not erythrocytic stage growth. <i>Molecular Microbiology</i> , 2004 , 53, 243-50	4.1	82
206	Defining a link between gap junction communication, proteolysis, and cataract formation. <i>Journal of Biological Chemistry</i> , 2001 , 276, 28999-9006	5.4	82
205	Activity-based probes for the ubiquitin conjugation-deconjugation machinery: new chemistries, new tools, and new insights. <i>FEBS Journal</i> , 2017 , 284, 1555-1576	5.7	75
204	Design of Protease Activated Optical Contrast Agents That Exploit a Latent Lysosomotropic Effect for Use in Fluorescence-Guided Surgery. <i>ACS Chemical Biology</i> , 2015 , 10, 1977-88	4.9	75

203	Acid-mediated tumor proteolysis: contribution of cysteine cathepsins. <i>Neoplasia</i> , 2013 , 15, 1125-37	6.4	73
202	Proteomics evaluation of chemically cleavable activity-based probes. <i>Molecular and Cellular Proteomics</i> , 2007 , 6, 1761-70	7.6	72
201	IrAE: an asparaginyl endopeptidase (legumain) in the gut of the hard tick <i>Ixodes ricinus</i> . <i>International Journal for Parasitology</i> , 2007 , 37, 713-24	4.3	69
200	Chemical Strategies To Target Bacterial Virulence. <i>Chemical Reviews</i> , 2017 , 117, 4422-4461	68.1	68
199	Application of activity-based probes to the study of enzymes involved in cancer progression. <i>Current Opinion in Genetics and Development</i> , 2008 , 18, 97-106	4.9	68
198	Falstatin, a cysteine protease inhibitor of <i>Plasmodium falciparum</i> , facilitates erythrocyte invasion. <i>PLoS Pathogens</i> , 2006 , 2, e117	7.6	68
197	Autocatalytic processing of procathepsin B is triggered by proenzyme activity. <i>FEBS Journal</i> , 2009 , 276, 660-8	5.7	67
196	Caspase-3 feeds back on caspase-8, Bid and XIAP in type I Fas signaling in primary mouse hepatocytes. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2012 , 17, 503-15	5.4	66
195	Mechanistic and structural insights into the proteolytic activation of <i>Vibrio cholerae</i> MARTX toxin. <i>Nature Chemical Biology</i> , 2009 , 5, 469-78	11.7	66
194	Non-invasive Imaging of Idiopathic Pulmonary Fibrosis Using Cathepsin Protease Probes. <i>Scientific Reports</i> , 2016 , 6, 19755	4.9	65
193	PD-1 Inhibitory Receptor Downregulates Asparaginyl Endopeptidase and Maintains Foxp3 Transcription Factor Stability in Induced Regulatory T Cells. <i>Immunity</i> , 2018 , 49, 247-263.e7	32.3	64
192	Probing structural determinants distal to the site of hydrolysis that control substrate specificity of the 20S proteasome. <i>Chemistry and Biology</i> , 2002 , 9, 655-62		64
191	Comparative assessment of substrates and activity based probes as tools for non-invasive optical imaging of cysteine protease activity. <i>PLoS ONE</i> , 2009 , 4, e6374	3.7	62
190	A selective activity-based probe for the papain family cysteine protease dipeptidyl peptidase I/cathepsin C. <i>Journal of the American Chemical Society</i> , 2006 , 128, 5616-7	16.4	62
189	Validation of the proteasome as a therapeutic target in <i>Plasmodium</i> using an epoxyketone inhibitor with parasite-specific toxicity. <i>Chemistry and Biology</i> , 2012 , 19, 1535-45		61
188	Cathepsin C is a tissue-specific regulator of squamous carcinogenesis. <i>Genes and Development</i> , 2013 , 27, 2086-98	12.6	61
187	Simplified, enhanced protein purification using an inducible, autoprocessing enzyme tag. <i>PLoS ONE</i> , 2009 , 4, e8119	3.7	61
186	Development of near-infrared fluorophore (NIRF)-labeled activity-based probes for in vivo imaging of legumain. <i>ACS Chemical Biology</i> , 2010 , 5, 233-43	4.9	60

185	Development of activity-based probes for trypsin-family serine proteases. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2006 , 16, 2882-5	2.9	60
184	Topical application of activity-based probes for visualization of brain tumor tissue. <i>PLoS ONE</i> , 2012 , 7, e33060	3.7	60
183	Global Analysis of Palmitoylated Proteins in <i>Toxoplasma gondii</i> . <i>Cell Host and Microbe</i> , 2015 , 18, 501-11	23.4	59
182	Detection of intestinal cancer by local, topical application of a quenched fluorescence probe for cysteine cathepsins. <i>Chemistry and Biology</i> , 2015 , 22, 148-58		59
181	Small-molecule inhibitors and probes for ubiquitin- and ubiquitin-like-specific proteases. <i>ChemBioChem</i> , 2005 , 6, 287-91	3.8	59
180	Using small molecules to dissect mechanisms of microbial pathogenesis. <i>ACS Chemical Biology</i> , 2009 , 4, 603-16	4.9	58
179	Defining an allosteric circuit in the cysteine protease domain of <i>Clostridium difficile</i> toxins. <i>Nature Structural and Molecular Biology</i> , 2011 , 18, 364-71	17.6	57
178	Design, synthesis, and evaluation of in vivo potency and selectivity of epoxysuccinyl-based inhibitors of papain-family cysteine proteases. <i>Chemistry and Biology</i> , 2007 , 14, 499-511		57
177	Lanthanide-Cyclodextrin Complexes as Probes for Elucidating Optical Purity by NMR Spectroscopy. <i>Journal of the American Chemical Society</i> , 1994 , 116, 4858-4865	16.4	56
176	Reactive-site-centric chemoproteomics identifies a distinct class of deubiquitinase enzymes. <i>Nature Communications</i> , 2018 , 9, 1162	17.4	55
175	The antimalarial natural product symprostatin 4 is a nanomolar inhibitor of the food vacuole falcipains. <i>Chemistry and Biology</i> , 2012 , 19, 1546-55		55
174	The role of cathepsin X in the migration and invasiveness of T lymphocytes. <i>Journal of Cell Science</i> , 2008 , 121, 2652-61	5.3	55
173	The lysosomal protein cathepsin L is a progranulin protease. <i>Molecular Neurodegeneration</i> , 2017 , 12, 55	19	54
172	Ubiquitin-like modifiers and their deconjugating enzymes in medically important parasitic protozoa. <i>Eukaryotic Cell</i> , 2007 , 6, 1943-52		54
171	Sequential autolytic processing activates the zymogen of Arg-gingipain. <i>Journal of Biological Chemistry</i> , 2003 , 278, 10458-64	5.4	53
170	Proteomics meets microbiology: technical advances in the global mapping of protein expression and function. <i>Cellular Microbiology</i> , 2005 , 7, 1061-76	3.9	53
169	Rational design of inhibitors and activity-based probes targeting <i>Clostridium difficile</i> virulence factor TcdB. <i>Chemistry and Biology</i> , 2010 , 17, 1201-11		52
168	Identification of a cDNA encoding an active asparaginyl endopeptidase of <i>Schistosoma mansoni</i> and its expression in <i>Pichia pastoris</i> . <i>FEBS Letters</i> , 2000 , 466, 244-8	3.8	52

167	Development of small molecule inhibitors and probes of human SUMO deconjugating proteases. <i>Chemistry and Biology</i> , 2011 , 18, 722-32		51
166	Chemical genetic screen identifies Toxoplasma DJ-1 as a regulator of parasite secretion, attachment, and invasion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 10568-73	11.5	51
165	Toxoplasma depends on lysosomal consumption of autophagosomes for persistent infection. <i>Nature Microbiology</i> , 2017 , 2, 17096	26.6	50
164	Design of a highly selective quenched activity-based probe and its application in dual color imaging studies of cathepsin S activity localization. <i>Journal of the American Chemical Society</i> , 2015 , 137, 4771-7	16.4	50
163	Minitags for small molecules: detecting targets of reactive small molecules in living plant tissues using Rclick chemistry. <i>Plant Journal</i> , 2009 , 57, 373-85	6.9	50
162	Caspase-1 activity is required to bypass macrophage apoptosis upon Salmonella infection. <i>Nature Chemical Biology</i> , 2012 , 8, 745-7	11.7	49
161	Functional studies of Plasmodium falciparum dipeptidyl aminopeptidase I using small molecule inhibitors and active site probes. <i>Chemistry and Biology</i> , 2010 , 17, 808-19		49
160	An optimized activity-based probe for the study of caspase-6 activation. <i>Chemistry and Biology</i> , 2012 , 19, 340-52		48
159	Toxoplasma gondii cathepsin L is the primary target of the invasion-inhibitory compound morpholinurea-leucyl-homophenyl-vinyl sulfone phenyl. <i>Journal of Biological Chemistry</i> , 2009 , 284, 26839-40	5.4	48
158	Small-molecule inhibition of a depalmitoylase enhances Toxoplasma host-cell invasion. <i>Nature Chemical Biology</i> , 2013 , 9, 651-6	11.7	47
157	Identification of a S. aureus virulence factor by activity-based protein profiling (ABPP). <i>Nature Chemical Biology</i> , 2018 , 14, 609-617	11.7	47
156	Activity profiling of vacuolar processing enzymes reveals a role for VPE during oomycete infection. <i>Plant Journal</i> , 2013 , 73, 689-700	6.9	46
155	Nuclear cysteine cathepsin variants in thyroid carcinoma cells. <i>Biological Chemistry</i> , 2010 , 391, 923-35	4.5	46
154	Treatment of arthritis by macrophage depletion and immunomodulation: testing an apoptosis-mediated therapy in a humanized death receptor mouse model. <i>Arthritis and Rheumatism</i> , 2012 , 64, 1098-109		45
153	Cysteine protease inhibitors block Toxoplasma gondii microneme secretion and cell invasion. <i>Antimicrobial Agents and Chemotherapy</i> , 2007 , 51, 679-88	5.9	45
152	A biocompatible in vivo ligation reaction and its application for noninvasive bioluminescent imaging of protease activity in living mice. <i>ACS Chemical Biology</i> , 2013 , 8, 987-99	4.9	44
151	Proteasome function is dispensable under normal but not under heat shock conditions in Thermoplasma acidophilum. <i>FEBS Letters</i> , 1998 , 425, 87-90	3.8	43
150	Labeling of active proteases in fresh-frozen tissues by topical application of quenched activity-based probes. <i>Nature Protocols</i> , 2016 , 11, 184-91	18.8	40

149	Genomics and proteomics. <i>Current Opinion in Chemical Biology</i> , 2007 , 11, 1-3	9.7	40
148	Cathepsin X is secreted by human osteoblasts, digests CXCL-12 and impairs adhesion of hematopoietic stem and progenitor cells to osteoblasts. <i>Haematologica</i> , 2010 , 95, 1452-60	6.6	39
147	Maturation of dendritic cells depends on proteolytic cleavage by cathepsin X. <i>Journal of Leukocyte Biology</i> , 2008 , 84, 1306-15	6.5	39
146	Functional characterization of a SUMO deconjugating protease of Plasmodium falciparum using newly identified small molecule inhibitors. <i>Chemistry and Biology</i> , 2011 , 18, 711-21		38
145	Development of activity-based probes for cathepsin X. <i>ACS Chemical Biology</i> , 2011 , 6, 563-72	4.9	38
144	Substrate specificity of schistosome versus human legumain determined by P1-P3 peptide libraries. <i>Molecular and Biochemical Parasitology</i> , 2002 , 121, 99-105	1.9	38
143	Identification of a serine protease inhibitor which causes inclusion vacuole reduction and is lethal to Chlamydia trachomatis. <i>Molecular Microbiology</i> , 2013 , 89, 676-89	4.1	37
142	Design of cell-permeable, fluorescent activity-based probes for the lysosomal cysteine protease asparaginyl endopeptidase (AEP)/legumain. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2007 , 17, 649-53 ^{2.9}		37
141	Novel aza peptide inhibitors and active-site probes of papain-family cysteine proteases. <i>ChemBioChem</i> , 2006 , 7, 943-50	3.8	37
140	Frontline Science: Multiple cathepsins promote inflammasome-independent, particle-induced cell death during NLRP3-dependent IL-1 β activation. <i>Journal of Leukocyte Biology</i> , 2017 , 102, 7-17	6.5	36
139	Assessing subunit dependency of the Plasmodium proteasome using small molecule inhibitors and active site probes. <i>ACS Chemical Biology</i> , 2014 , 9, 1869-76	4.9	36
138	Biochemical analysis of the 20 S proteasome of Trypanosoma brucei. <i>Journal of Biological Chemistry</i> , 2003 , 278, 15800-8	5.4	36
137	Subfamily-Specific Fluorescent Probes for Cysteine Proteases Display Dynamic Protease Activities during Seed Germination. <i>Plant Physiology</i> , 2015 , 168, 1462-75	6.6	35
136	A Mild Chemically Cleavable Linker System for Functional Proteomic Applications. <i>Angewandte Chemie</i> , 2007 , 119, 1306-1308	3.6	35
135	Identification of potent and selective non-covalent inhibitors of the Plasmodium falciparum proteasome. <i>Journal of the American Chemical Society</i> , 2014 , 136, 13562-5	16.4	34
134	A major cathepsin B protease from the liver fluke Fasciola hepatica has atypical active site features and a potential role in the digestive tract of newly excysted juvenile parasites. <i>International Journal of Biochemistry and Cell Biology</i> , 2009 , 41, 1601-12	5.6	34
133	Design of Selective Substrates and Activity-Based Probes for Hydrolase Important for Pathogenesis 1 (HIP1) from Mycobacterium tuberculosis. <i>ACS Infectious Diseases</i> , 2016 , 2, 807-815	5.5	34
132	An in vivo multiplexed small-molecule screening platform. <i>Nature Methods</i> , 2016 , 13, 883-889	21.6	33

131	Non-invasive imaging of cysteine cathepsin activity in solid tumors using a ⁶⁴ Cu-labeled activity-based probe. <i>PLoS ONE</i> , 2011 , 6, e28029	3-7	33
130	Development of calpain-specific inactivators by screening of positional scanning epoxide libraries. <i>Journal of Biological Chemistry</i> , 2007 , 282, 9600-9611	5-4	33
129	Challenges for Targeting SARS-CoV-2 Proteases as a Therapeutic Strategy for COVID-19. <i>ACS Infectious Diseases</i> , 2021 , 7, 1457-1468	5-5	33
128	Engineered hybrid dimers: tracking the activation pathway of caspase-7. <i>Molecular Cell</i> , 2006 , 23, 523-3317.6	31.7	32
127	Inhibition of cathepsin B reduces β amyloid production in regulated secretory vesicles of neuronal chromaffin cells: evidence for cathepsin B as a candidate β secretase of Alzheimer's disease. <i>Biological Chemistry</i> , 2005 , 386, 1325-1325	4-5	32
126	Dual-Modality Activity-Based Probes as Molecular Imaging Agents for Vascular Inflammation. <i>Journal of Nuclear Medicine</i> , 2016 , 57, 1583-1590	8-9	32
125	Defining the Determinants of Specificity of Plasmodium Proteasome Inhibitors. <i>Journal of the American Chemical Society</i> , 2018 , 140, 11424-11437	16.4	31
124	Coupling protein engineering with probe design to inhibit and image matrix metalloproteinases with controlled specificity. <i>Journal of the American Chemical Society</i> , 2013 , 135, 9139-48	16.4	31
123	Biochemical characterization of Plasmodium falciparum dipeptidyl aminopeptidase 1. <i>Molecular and Biochemical Parasitology</i> , 2011 , 175, 10-20	1-9	31
122	Design, syntheses, and evaluation of Taspase1 inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009 , 19, 5086-90	2-9	31
121	Covalent Plasmodium falciparum-selective proteasome inhibitors exhibit a low propensity for generating resistance in vitro and synergize with multiple antimalarial agents. <i>PLoS Pathogens</i> , 2019 , 15, e1007722	7-6	30
120	Protein Degradation Systems as Antimalarial Therapeutic Targets. <i>Trends in Parasitology</i> , 2017 , 33, 731-743	7-4	30
119	Optimization of a Protease Activated Probe for Optical Surgical Navigation. <i>Molecular Pharmaceutics</i> , 2018 , 15, 750-758	5-6	30
118	Myoepithelial cell-specific expression of stefin A as a suppressor of early breast cancer invasion. <i>Journal of Pathology</i> , 2017 , 243, 496-509	9-4	29
117	The protease cathepsin L regulates Th17 cell differentiation. <i>Journal of Autoimmunity</i> , 2015 , 65, 56-63	15-5	29
116	Bifunctional Probes of Cathepsin Protease Activity and pH Reveal Alterations in Endolysosomal pH during Bacterial Infection. <i>Cell Chemical Biology</i> , 2016 , 23, 793-804	8-2	29
115	Cysteine cathepsin activity suppresses osteoclastogenesis of myeloid-derived suppressor cells in breast cancer. <i>Oncotarget</i> , 2015 , 6, 27008-22	3-3	29
114	AND-gate contrast agents for enhanced fluorescence-guided surgery. <i>Nature Biomedical Engineering</i> , 2021 , 5, 264-277	19	29

113	A coupled protein and probe engineering approach for selective inhibition and activity-based probe labeling of the caspases. <i>Journal of the American Chemical Society</i> , 2013 , 135, 9130-8	16.4	28
112	Chemical proteomics applied to target identification and drug discovery. <i>BioTechniques</i> , 2005 , 38, 175-7	2.5	28
111	The Antimalarial Natural Product Salinipostin A Identifies Essential Serine Hydrolases Involved in Lipid Metabolism in <i>P. falciparum</i> Parasites. <i>Cell Chemical Biology</i> , 2020 , 27, 143-157.e5	8.2	27
110	Cysteine Cathepsin Inhibitors as Anti-Ebola Agents. <i>ACS Infectious Diseases</i> , 2016 , 2, 173-179	5.5	27
109	The apoptosis repressor with a CARD domain (ARC) gene is a direct hypoxia-inducible factor 1 target gene and promotes survival and proliferation of VHL-deficient renal cancer cells. <i>Molecular and Cellular Biology</i> , 2014 , 34, 739-51	4.8	27
108	4-Bromophenacyl bromide specifically inhibits rhoptry secretion during <i>Toxoplasma</i> invasion. <i>PLoS ONE</i> , 2009 , 4, e8143	3.7	27
107	Live Cell Imaging and Profiling of Cysteine Cathepsin Activity Using a Quenched Activity-Based Probe. <i>Methods in Molecular Biology</i> , 2017 , 1491, 145-159	1.4	26
106	A fragmenting hybrid approach for targeted delivery of multiple therapeutic agents to the malaria parasite. <i>ChemMedChem</i> , 2011 , 6, 415-9	3.7	25
105	Active cathepsins B, L, and S in murine and human pancreatitis. <i>American Journal of Physiology - Renal Physiology</i> , 2012 , 303, G894-903	5.1	25
104	A general solid phase method for the preparation of diverse azapeptide probes directed against cysteine proteases. <i>Organic Letters</i> , 2005 , 7, 5649-52	6.2	24
103	Serine proteases and protease-activated receptor 2 mediate the proinflammatory and algescic actions of diverse stimulants. <i>British Journal of Pharmacology</i> , 2014 , 171, 3814-26	8.6	23
102	Three-dimensional cultures modeling premalignant progression of human breast epithelial cells: role of cysteine cathepsins. <i>Biological Chemistry</i> , 2012 , 393, 1405-16	4.5	23
101	Influenza A virus elevates active cathepsin B in primary murine DC. <i>International Immunology</i> , 2007 , 19, 645-55	4.9	23
100	Pathways accessory to proteasomal proteolysis are less efficient in major histocompatibility complex class I antigen production. <i>Journal of Biological Chemistry</i> , 2003 , 278, 10013-21	5.4	23
99	Cathepsin Activity-Based Probes and Inhibitor for Preclinical Atherosclerosis Imaging and Macrophage Depletion. <i>PLoS ONE</i> , 2016 , 11, e0160522	3.7	23
98	Activity-based probes for the multicatalytic proteasome. <i>FEBS Journal</i> , 2017 , 284, 1540-1554	5.7	22
97	Identification of a myeloid-derived suppressor cell cystatin-like protein that inhibits metastasis. <i>FASEB Journal</i> , 2011 , 25, 2626-37	0.9	22
96	Probes to monitor activity of the paracaspase MALT1. <i>Chemistry and Biology</i> , 2015 , 22, 139-47		21

95	Inhibition of cathepsin proteases attenuates migration and sensitizes aggressive N-Myc amplified human neuroblastoma cells to doxorubicin. <i>Oncotarget</i> , 2015 , 6, 11175-90	3.3	21
94	Activity-based protein profiling in bacteria: Applications for identification of therapeutic targets and characterization of microbial communities. <i>Current Opinion in Chemical Biology</i> , 2020 , 54, 45-53	9.7	21
93	Strategies for Tuning the Selectivity of Chemical Probes that Target Serine Hydrolases. <i>Cell Chemical Biology</i> , 2020 , 27, 937-952	8.2	21
92	Synthesis and evaluation of aza-peptidyl inhibitors of the lysosomal asparaginyl endopeptidase, legumain. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012 , 22, 1340-3	2.9	20
91	Deletion of the rodent malaria ortholog for falcipain-1 highlights differences between hepatic and blood stage merozoites. <i>PLoS Pathogens</i> , 2017 , 13, e1006586	7.6	20
90	Fluorescent Triazole Urea Activity-Based Probes for the Single-Cell Phenotypic Characterization of <i>Staphylococcus aureus</i> . <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 5643-5647	16.4	20
89	Legumain is activated in macrophages during pancreatitis. <i>American Journal of Physiology - Renal Physiology</i> , 2016 , 311, G548-60	5.1	19
88	Solid-phase synthesis of double-headed epoxysuccinyl activity-based probes for selective targeting of papain family cysteine proteases. <i>ChemBioChem</i> , 2005 , 6, 824-7	3.8	19
87	Dissecting Protein Function Using Chemical Proteomic Methods. <i>QSAR and Combinatorial Science</i> , 2005 , 24, 261-269		19
86	The cryo-EM structure of the <i>Plasmodium falciparum</i> 20S proteasome and its use in the fight against malaria. <i>FEBS Journal</i> , 2016 , 283, 4238-4243	5.7	19
85	Identification of highly selective covalent inhibitors by phage display. <i>Nature Biotechnology</i> , 2021 , 39, 490-498	44.5	19
84	In vivo imaging and biochemical characterization of protease function using fluorescent activity-based probes. <i>Current Protocols in Chemical Biology</i> , 2013 , 5, 25-44	1.8	18
83	<i>Plasmodium</i> dipeptidyl aminopeptidases as malaria transmission-blocking drug targets. <i>Antimicrobial Agents and Chemotherapy</i> , 2013 , 57, 4645-52	5.9	17
82	Applications of small molecule probes in dissecting mechanisms of bacterial virulence and host responses. <i>Biochemistry</i> , 2013 , 52, 5985-96	3.2	17
81	Rapid visualization of nonmelanoma skin cancer. <i>Journal of the American Academy of Dermatology</i> , 2017 , 76, 209-216.e9	4.5	17
80	Specificity of aza-peptide electrophile activity-based probes of caspases. <i>Cell Death and Differentiation</i> , 2007 , 14, 727-32	12.7	17
79	A Clinical Wide-Field Fluorescence Endoscopic Device for Molecular Imaging Demonstrating Cathepsin Protease Activity in Colon Cancer. <i>Molecular Imaging and Biology</i> , 2016 , 18, 820-829	3.8	17
78	Development of an activity-based probe for acyl-protein thioesterases. <i>PLoS ONE</i> , 2018 , 13, e0190255	3.7	16

77	Ferrous iron-dependent drug delivery enables controlled and selective release of therapeutic agents in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 18244-9	11.5	16
76	Substrate specificity of Staphylococcus aureus cysteine proteases--Staphopains A, B and C. <i>Biochimie</i> , 2012 , 94, 318-27	4.6	15
75	Cathepsin B trafficking in thyroid carcinoma cells. <i>Thyroid Research</i> , 2011 , 4 Suppl 1, S2	2.4	15
74	Use of activity-based probes to develop high throughput screening assays that can be performed in complex cell extracts. <i>PLoS ONE</i> , 2010 , 5, e11985	3.7	15
73	Cathepsin X-mediated beta2 integrin activation results in nanotube outgrowth. <i>Cellular and Molecular Life Sciences</i> , 2009 , 66, 1126-34	10.3	14
72	Toxoplasma DJ-1 Regulates Organelle Secretion by a Direct Interaction with Calcium-Dependent Protein Kinase 1. <i>MBio</i> , 2017 , 8,	7.8	13
71	Evaluation of alpha,beta-unsaturated ketone-based probes for papain-family cysteine proteases. <i>Bioorganic and Medicinal Chemistry</i> , 2009 , 17, 1071-8	3.4	13
70	Disruption of gingipain oligomerization into non-covalent cell-surface attached complexes. <i>Biological Chemistry</i> , 2012 , 393, 971-7	4.5	13
69	Synthetic Fluorogenic Peptides Reveal Dynamic Substrate Specificity of Depalmitoylases. <i>Cell Chemical Biology</i> , 2019 , 26, 35-47.e7	8.2	13
68	Design of Optical-Imaging Probes by Screening of Diverse Substrate Libraries Directly in Disease-Tissue Extracts. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 19143-19152	16.4	12
67	TGF- β Regulates Cathepsin Activation during Normal and Pathogenic Development. <i>Cell Reports</i> , 2018 , 22, 2964-2977	10.6	12
66	A substrate-inspired probe monitors translocation, activation, and subcellular targeting of bacterial type III effector protease AvrPphB. <i>Chemistry and Biology</i> , 2013 , 20, 168-76		12
65	Calcium Regulates the Activity and Structural Stability of Tpr, a Bacterial Calpain-like Peptidase. <i>Journal of Biological Chemistry</i> , 2015 , 290, 27248-27260	5.4	11
64	Screening for selective small molecule inhibitors of the proteasome using activity-based probes. <i>Methods in Enzymology</i> , 2005 , 399, 609-22	1.7	11
63	Trioxolane-Mediated Delivery of Mefloquine Limits Brain Exposure in a Mouse Model of Malaria. <i>ACS Medicinal Chemistry Letters</i> , 2015 , 6, 1145-9	4.3	10
62	The Clinical Drug Ebselen Attenuates Inflammation and Promotes Microbiome Recovery in Mice after Antibiotic Treatment for CDI. <i>Cell Reports Medicine</i> , 2020 , 1,	18	10
61	Phosphoramidates as novel activity-based probes for serine proteases. <i>ChemBioChem</i> , 2014 , 15, 1106-10	3.8	10
60	Insulin-like growth factor II receptor-mediated intracellular retention of cathepsin B is essential for transformation of endothelial cells by Kaposi's sarcoma-associated herpesvirus. <i>Journal of Virology</i> , 2007 , 81, 8050-62	6.6	10

59	Proteolytic processing and activation of gingipain zymogens secreted by T9SS of <i>Porphyromonas gingivalis</i> . <i>Biochimie</i> , 2019 , 166, 161-172	4.6	9
58	Membrane skeletal association and post-translational allosteric regulation of <i>Toxoplasma gondii</i> GAPDH1. <i>Molecular Microbiology</i> , 2017 , 103, 618-634	4.1	9
57	Increased nucleolar localization of SpiA3G in classically but not alternatively activated macrophages. <i>FEBS Letters</i> , 2010 , 584, 2201-6	3.8	9
56	Fluorescent image-guided surgery in breast cancer by intravenous application of a quenched fluorescence activity-based probe for cysteine cathepsins in a syngeneic mouse model. <i>EJNMMI Research</i> , 2020 , 10, 111	3.6	9
55	Chemical Tools for Selective Activity Profiling of Endogenously Expressed MMP-14 in Multicellular Models. <i>ACS Chemical Biology</i> , 2018 , 13, 2645-2654	4.9	9
54	Selective activation of PFKL suppresses the phagocytic oxidative burst. <i>Cell</i> , 2021 , 184, 4480-4494.e15	56.2	9
53	Leveraging Peptide Substrate Libraries to Design Inhibitors of Bacterial Lon Protease. <i>ACS Chemical Biology</i> , 2019 , 14, 2453-2462	4.9	8
52	Synthetic and biological approaches to map substrate specificities of proteases. <i>Biological Chemistry</i> , 2019 , 401, 165-182	4.5	8
51	Molecular imaging and validation of margins in surgically excised nonmelanoma skin cancer specimens. <i>Journal of Medical Imaging</i> , 2019 , 6, 016001	2.6	8
50	A protease-activated, near-infrared fluorescent probe for early endoscopic detection of premalignant gastrointestinal lesions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	8
49	Characterization of Serine Hydrolases Across Clinical Isolates of Commensal Skin Bacteria Using Activity-Based Protein Profiling. <i>ACS Infectious Diseases</i> , 2020 , 6, 930-938	5.5	8
48	Design and Synthesis of Activity-Based Probes and Inhibitors for Bleomycin Hydrolase. <i>Chemistry and Biology</i> , 2015 , 22, 995-1001		7
47	A Protease-Activated Fluorescent Probe Allows Rapid Visualization of Keratinocyte Carcinoma during Excision. <i>Cancer Research</i> , 2020 , 80, 2045-2055	10.1	7
46	Loss of Prkar1a leads to Bcl-2 family protein induction and cachexia in mice. <i>Cell Death and Differentiation</i> , 2014 , 21, 1815-24	12.7	7
45	Finding enzymes that are actively involved in cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 2379-80	11.5	7
44	Chemiluminescent Protease Probe for Rapid, Sensitive, and Inexpensive Detection of Live. <i>ACS Central Science</i> , 2021 , 7, 803-814	16.8	7
43	Microscopic detection of quenched activity-based optical imaging probes using an antibody detection system: localizing protease activity. <i>Molecular Imaging and Biology</i> , 2014 , 16, 608-18	3.8	6
42	Solid-phase methods for the preparation of epoxysuccinate-based inhibitors of cysteine proteases. <i>ACS Combinatorial Science</i> , 2006 , 8, 802-4		6

41	An Improved Preparation of the Activity-Based Probe JPM-OEt and In Situ Applications. <i>Synthesis</i> , 2005 , 2005, 240-244	2.9	6
40	Structural Basis for the Inhibitor and Substrate Specificity of the Unique Fph Serine Hydrolases of. <i>ACS Infectious Diseases</i> , 2020 , 6, 2771-2782	5.5	6
39	Short-Wave Infrared Fluorescence Chemical Sensor for Detection of Otitis Media. <i>ACS Sensors</i> , 2020 , 5, 3411-3419	9.2	6
38	The glucosyltransferase activity of <i>C. difficile</i> Toxin B is required for disease pathogenesis. <i>PLoS Pathogens</i> , 2020 , 16, e1008852	7.6	6
37	Covalent Modifiers of Botulinum Neurotoxin Counteract Toxin Persistence. <i>ACS Chemical Biology</i> , 2019 , 14, 76-87	4.9	6
36	A biocompatible "split luciferin" reaction and its application for non-invasive bioluminescent imaging of protease activity in living animals. <i>Current Protocols in Chemical Biology</i> , 2014 , 6, 169-189	1.8	6
35	Treatment of rat thyrocytes in vitro with cathepsin B and L inhibitors results in disruption of primary cilia leading to redistribution of the trace amine associated receptor 1 to the endoplasmic reticulum. <i>Biochimie</i> , 2019 , 166, 270-285	4.6	5
34	Plasmodium berghei K13 Mutations Mediate Artemisinin Resistance That Is Reversed by Proteasome Inhibition. <i>MBio</i> , 2020 , 11,	7.8	5
33	The Active Serine Hydrolase 4 Regulates Parasite Division and Intravacuolar Parasite Architecture. <i>MSphere</i> , 2018 , 3,	5	5
32	Validation of near infrared fluorescence (NIRF) probes in vivo with dual laser NIRF endoscope. <i>PLoS ONE</i> , 2018 , 13, e0206568	3.7	5
31	Introduction to the Special Issue on Proteases and Proteolysis in Health and Disease. <i>FEBS Journal</i> , 2017 , 284, 1392-1393	5.7	4
30	Characterization of <i>P. falciparum</i> dipeptidyl aminopeptidase 3 specificity identifies differences in amino acid preferences between peptide-based substrates and covalent inhibitors. <i>FEBS Journal</i> , 2019 , 286, 3998-4023	5.7	4
29	Challenges for targeting SARS-CoV-2 proteases as a therapeutic strategy for COVID-19		4
28	Discovery of small molecules that normalize the transcriptome and enhance cysteine cathepsin activity in progranulin-deficient microglia. <i>Scientific Reports</i> , 2020 , 10, 13688	4.9	4
27	Detection of Active Caspases During Apoptosis Using Fluorescent Activity-Based Probes. <i>Methods in Molecular Biology</i> , 2016 , 1419, 27-39	1.4	4
26	Identification of covalent inhibitors that disrupt <i>M. tuberculosis</i> growth by targeting multiple serine hydrolases involved in lipid metabolism. <i>Cell Chemical Biology</i> , 2021 ,	8.2	4
25	Methods for analysis of near-infrared (NIR) quenched-fluorescent contrast agents in mouse models of cancer. <i>Methods in Enzymology</i> , 2020 , 639, 141-166	1.7	3
24	A chemiluminescent protease probe for rapid, sensitive, and inexpensive detection of live <i>Mycobacterium tuberculosis</i>		3

23	Characterization of <i>P. falciparum</i> dipeptidyl aminopeptidase 3 specificity reveals structural factors responsible for differences in amino acid preferences between peptide-based substrates and covalent inhibitors		3
22	Blocking Palmitoylation of <i>Toxoplasma gondii</i> Myosin Light Chain 1 Disrupts Glideosome Composition but Has Little Impact on Parasite Motility. <i>MSphere</i> , 2021 , 6,	5	3
21	Pre-Trained Deep Convolutional Neural Network for <i>Clostridioides Difficile</i> Bacteria Cytotoxicity Classification Based on Fluorescence Images. <i>Sensors</i> , 2020 , 20,	3.8	2
20	A degrading business: the biology of proteolysis. <i>Trends in Cell Biology</i> , 1997 , 7, 333-5	18.3	2
19	Finding the needles in the haystack: mapping constitutive proteolytic events in vivo. <i>Biochemical Journal</i> , 2007 , 407, e1-2	3.8	2
18	INHIBITORS OF CATHEPSIN B REDUCE PRODUCTION OF BETA-AMYLOID IN REGULATED SECRETORY VESICLES: A NOVEL CYSTEINE PROTEASE PATHWAY AS BETA-SECRETASE FOR GENERATING BETA-AMYLOID OF ALZHEIMER'S DISEASE. <i>FASEB Journal</i> , 2006 , 20, A1135	0.9	2
17	Design of Optical-Imaging Probes by Screening of Diverse Substrate Libraries Directly in Disease-Tissue Extracts. <i>Angewandte Chemie</i> , 2020 , 132, 19305-19314	3.6	2
16	An Automatic Analysis System for High-Throughput <i>Clostridium Difficile</i> Toxin Activity Screening. <i>Applied Sciences (Switzerland)</i> , 2018 , 8, 1512	2.6	2
15	The Thyroid Hormone Transporter Mct8 Restricts Cathepsin-Mediated Thyroglobulin Processing in Male Mice through Thyroid Auto-Regulatory Mechanisms That Encompass Autophagy. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	2
14	Fluorescent Triazole Urea Activity-Based Probes for the Single-Cell Phenotypic Characterization of <i>Staphylococcus aureus</i> . <i>Angewandte Chemie</i> , 2019 , 131, 5699-5703	3.6	1
13	New Blood Test SEEks To Detect and Localize Cancer before It's Too Late. <i>Biochemistry</i> , 2018 , 57, 1561-1562	3.5	1
12	A Swiss army knife probe for metastatic cancers. <i>Nature Materials</i> , 2021 , 20, 1312-1314	27	1
11	Structural basis for active-site probes targeting <i>Staphylococcus aureus</i> serine hydrolase virulence factors		1
10	A phage display approach to identify highly selective covalent binders		1
9	Procathepsin V Is Secreted in a TSH Regulated Manner from Human Thyroid Epithelial Cells and Is Accessible to an Activity-Based Probe. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	1
8	Response to Comment on "A small-molecule antivirulence agent for treating <i>Clostridium difficile</i> infection". <i>Science Translational Medicine</i> , 2016 , 8, 370tr2	17.5	1
7	Identification of <i>Plasmodium</i> dipeptidyl aminopeptidase allosteric inhibitors by high throughput screening. <i>PLoS ONE</i> , 2019 , 14, e0226270	3.7	1
6	Catalytic linkage between caspase activity and proteostasis in Archaea. <i>Environmental Microbiology</i> , 2019 , 21, 286-298	5.2	1

- 5 Toxoplasma gondii serine hydrolases regulate parasite lipid mobilization during growth and replication within the host. *Cell Chemical Biology*, **2021**, 28, 1501-1513.e5 8.2 ○
- 4 Integration of bioinformatic and chemoproteomic tools for the study of enzyme conservation in closely related bacterial species.. *Methods in Enzymology*, **2022**, 664, 1-22 1.7 ○
- 3 Inside Cover: A Fragmenting Hybrid Approach for Targeted Delivery of Multiple Therapeutic Agents to the Malaria Parasite (ChemMedChem 3/2011). *ChemMedChem*, **2011**, 6, 382-382 3.7
- 2 Friend or foe? Turning a host defense protein into a pathogen's accomplice. *Chemistry and Biology*, **2008**, 15, 879-80
- 1 Handbook of Proteomic Methods. Von P. Michael Conn.. *Angewandte Chemie*, **2004**, 116, 6393-6395 3.6