

Matthew M Bogyo

List of Publications by Year in Descending Order

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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	Integration of bioinformatic and chemoproteomic tools for the study of enzyme conservation in closely related bacterial species.. <i>Methods in Enzymology</i> , 2022 , 664, 1-22	1.7	0
273	A Swiss army knife probe for metastatic cancers. <i>Nature Materials</i> , 2021 , 20, 1312-1314	27	1
272	AND-gate contrast agents for enhanced fluorescence-guided surgery. <i>Nature Biomedical Engineering</i> , 2021 , 5, 264-277	19	29
271	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
270	Chemiluminescent Protease Probe for Rapid, Sensitive, and Inexpensive Detection of Live. <i>ACS Central Science</i> , 2021 , 7, 803-814	16.8	7
269	Blocking Palmitoylation of Toxoplasma gondii Myosin Light Chain 1 Disrupts Glideosome Composition but Has Little Impact on Parasite Motility. <i>MSphere</i> , 2021 , 6,	5	3
268	Toxoplasma gondii serine hydrolases regulate parasite lipid mobilization during growth and replication within the host. <i>Cell Chemical Biology</i> , 2021 , 28, 1501-1513.e5	8.2	0
267	Identification of highly selective covalent inhibitors by phage display. <i>Nature Biotechnology</i> , 2021 , 39, 490-498	44.5	19
266	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
265	Selective activation of PFKL suppresses the phagocytic oxidative burst. <i>Cell</i> , 2021 , 184, 4480-4494.e15	56.2	9
264	Identification of covalent inhibitors that disrupt M. tuberculosis growth by targeting multiple serine hydrolases involved in lipid metabolism. <i>Cell Chemical Biology</i> , 2021 ,	8.2	4
263	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
262	Pre-Trained Deep Convolutional Neural Network for Clostridioides Difficile Bacteria Cytotoxicity Classification Based on Fluorescence Images. <i>Sensors</i> , 2020 , 20,	3.8	2
261	A Protease-Activated Fluorescent Probe Allows Rapid Visualization of Keratinocyte Carcinoma during Excision. <i>Cancer Research</i> , 2020 , 80, 2045-2055	10.1	7
260	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
259	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
258	The Antimalarial Natural Product Salinipostin A Identifies Essential Serine Hydrolases Involved in Lipid Metabolism in P. falciparum Parasites. <i>Cell Chemical Biology</i> , 2020 , 27, 143-157.e5	8.2	27

257	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
256	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
255	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
254	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
253	Short-Wave Infrared Fluorescence Chemical Sensor for Detection of Otitis Media. <i>ACS Sensors</i> , 2020 , 5, 3411-3419	9.2	6
252	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
251	Plasmodium berghei K13 Mutations Mediate Artemisinin Resistance That Is Reversed by Proteasome Inhibition. <i>MBio</i> , 2020 , 11,	7.8	5
250	Strategies for Tuning the Selectivity of Chemical Probes that Target Serine Hydrolases. <i>Cell Chemical Biology</i> , 2020 , 27, 937-952	8.2	21
249	The glucosyltransferase activity of C. difficile Toxin B is required for disease pathogenesis. <i>PLoS Pathogens</i> , 2020 , 16, e1008852	7.6	6
248	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
247	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
246	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
245	Leveraging Peptide Substrate Libraries to Design Inhibitors of Bacterial Lon Protease. <i>ACS Chemical Biology</i> , 2019 , 14, 2453-2462	4.9	8
244	Proteolytic processing and activation of gingipain zymogens secreted by T9SS of Porphyromonas gingivalis. <i>Biochimie</i> , 2019 , 166, 161-172	4.6	9
243	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
242	Characterization of P. falciparum 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
241	Fluorescent Triazole Urea Activity-Based Probes for the Single-Cell Phenotypic Characterization of Staphylococcus aureus. <i>Angewandte Chemie</i> , 2019 , 131, 5699-5703	3.6	1
240	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

239	Synthetic and biological approaches to map substrate specificities of proteases. <i>Biological Chemistry</i> , 2019 , 401, 165-182	4.5	8
238	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
237	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
236	Identification of Plasmodium dipeptidyl aminopeptidase allosteric inhibitors by high throughput screening. <i>PLoS ONE</i> , 2019 , 14, e0226270	3.7	1
235	Covalent Modifiers of Botulinum Neurotoxin Counteract Toxin Persistence. <i>ACS Chemical Biology</i> , 2019 , 14, 76-87	4.9	6
234	Catalytic linkage between caspase activity and proteostasis in Archaea. <i>Environmental Microbiology</i> , 2019 , 21, 286-298	5.2	1
233	Synthetic Fluorogenic Peptides Reveal Dynamic Substrate Specificity of Depalmitoylases. <i>Cell Chemical Biology</i> , 2019 , 26, 35-47.e7	8.2	13
232	New Blood Test SEEks To Detect and Localize Cancer before It's Too Late. <i>Biochemistry</i> , 2018 , 57, 1561-1562	15.62	1
231	TGF- β Regulates Cathepsin Activation during Normal and Pathogenic Development. <i>Cell Reports</i> , 2018 , 22, 2964-2977	10.6	12
230	Reactive-site-centric chemoproteomics identifies a distinct class of deubiquitinase enzymes. <i>Nature Communications</i> , 2018 , 9, 1162	17.4	55
229	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
228	Defining the Determinants of Specificity of Plasmodium Proteasome Inhibitors. <i>Journal of the American Chemical Society</i> , 2018 , 140, 11424-11437	16.4	31
227	Development of an activity-based probe for acyl-protein thioesterases. <i>PLoS ONE</i> , 2018 , 13, e0190255	3.7	16
226	Optimization of a Protease Activated Probe for Optical Surgical Navigation. <i>Molecular Pharmaceutics</i> , 2018 , 15, 750-758	5.6	30
225	The Active Serine Hydrolase 4 Regulates Parasite Division and Intravacuolar Parasite Architecture. <i>MSphere</i> , 2018 , 3,	5	5
224	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
223	Validation of near infrared fluorescence (NIRF) probes in vivo with dual laser NIRF endoscope. <i>PLoS ONE</i> , 2018 , 13, e0206568	3.7	5
222	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

221	Identification of a <i>S. aureus</i> virulence factor by activity-based protein profiling (ABPP). <i>Nature Chemical Biology</i> , 2018 , 14, 609-617	11.7	47
220	Activity-based probes for the multicatalytic proteasome. <i>FEBS Journal</i> , 2017 , 284, 1540-1554	5.7	22
219	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
218	Chemical Strategies To Target Bacterial Virulence. <i>Chemical Reviews</i> , 2017 , 117, 4422-4461	68.1	68
217	Toxoplasma DJ-1 Regulates Organelle Secretion by a Direct Interaction with Calcium-Dependent Protein Kinase 1. <i>MBio</i> , 2017 , 8,	7.8	13
216	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
215	Individuals with progranulin haploinsufficiency exhibit features of neuronal ceroid lipofuscinosis. <i>Science Translational Medicine</i> , 2017 , 9,	17.5	107
214	Introduction to the Special Issue on Proteases and Proteolysis in Health and Disease. <i>FEBS Journal</i> , 2017 , 284, 1392-1393	5.7	4
213	Toxoplasma depends on lysosomal consumption of autophagosomes for persistent infection. <i>Nature Microbiology</i> , 2017 , 2, 17096	26.6	50
212	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
211	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
210	The lysosomal protein cathepsin L is a progranulin protease. <i>Molecular Neurodegeneration</i> , 2017 , 12, 55	19	54
209	Vasohibins/SVBP are tubulin carboxypeptidases (TCPs) that regulate neuron differentiation. <i>Science</i> , 2017 , 358, 1448-1453	33.3	113
208	Protein Degradation Systems as Antimalarial Therapeutic Targets. <i>Trends in Parasitology</i> , 2017 , 33, 731-743	6.1	30
207	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
206	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
205	Rapid visualization of nonmelanoma skin cancer. <i>Journal of the American Academy of Dermatology</i> , 2017 , 76, 209-216.e9	4.5	17
204	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

203	Successful Translation of Fluorescence Navigation During Oncologic Surgery: A Consensus Report. <i>Journal of Nuclear Medicine</i> , 2016 , 57, 144-50	8.9	101
202	An in vivo multiplexed small-molecule screening platform. <i>Nature Methods</i> , 2016 , 13, 883-889	21.6	33
201	Legumain is activated in macrophages during pancreatitis. <i>American Journal of Physiology - Renal Physiology</i> , 2016 , 311, G548-60	5.1	19
200	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
199	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
198	Cysteine Cathepsin Inhibitors as Anti-Ebola Agents. <i>ACS Infectious Diseases</i> , 2016 , 2, 173-179	5.5	27
197	Structure- and function-based design of Plasmodium-selective proteasome inhibitors. <i>Nature</i> , 2016 , 530, 233-6	50.4	150
196	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
195	Disruption of glycolytic flux is a signal for inflammasome signaling and pyroptotic cell death. <i>ELife</i> , 2016 , 5, e13663	8.9	101
194	Cathepsin Activity-Based Probes and Inhibitor for Preclinical Atherosclerosis Imaging and Macrophage Depletion. <i>PLoS ONE</i> , 2016 , 11, e0160522	3.7	23
193	The cryo-EM structure of the Plasmodium falciparum 20S proteasome and its use in the fight against malaria. <i>FEBS Journal</i> , 2016 , 283, 4238-4243	5.7	19
192	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
191	Response to Comment on "A small-molecule antivirulence agent for treating Clostridium difficile infection". <i>Science Translational Medicine</i> , 2016 , 8, 370tr2	17.5	1
190	Non-invasive Imaging of Idiopathic Pulmonary Fibrosis Using Cathepsin Protease Probes. <i>Scientific Reports</i> , 2016 , 6, 19755	4.9	65
189	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
188	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
187	Detection of Active Caspases During Apoptosis Using Fluorescent Activity-Based Probes. <i>Methods in Molecular Biology</i> , 2016 , 1419, 27-39	1.4	4
186	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

185	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
184	A small-molecule antivirulence agent for treating <i>Clostridium difficile</i> infection. <i>Science Translational Medicine</i> , 2015 , 7, 306ra148	17.5	99
183	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
182	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
181	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
180	The protease cathepsin L regulates Th17 cell differentiation. <i>Journal of Autoimmunity</i> , 2015 , 65, 56-63	15.5	29
179	Global Analysis of Palmitoylated Proteins in <i>Toxoplasma gondii</i> . <i>Cell Host and Microbe</i> , 2015 , 18, 501-11	23.4	59
178	Design and Synthesis of Activity-Based Probes and Inhibitors for Bleomycin Hydrolase. <i>Chemistry and Biology</i> , 2015 , 22, 995-1001		7
177	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
176	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
175	Probes to monitor activity of the paracaspase MALT1. <i>Chemistry and Biology</i> , 2015 , 22, 139-47		21
174	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
173	Cysteine cathepsin activity suppresses osteoclastogenesis of myeloid-derived suppressor cells in breast cancer. <i>Oncotarget</i> , 2015 , 6, 27008-22	3.3	29
172	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
171	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
170	Identification of potent and selective non-covalent inhibitors of the <i>Plasmodium falciparum</i> proteasome. <i>Journal of the American Chemical Society</i> , 2014 , 136, 13562-5	16.4	34
169	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
168	Assessing subunit dependency of the <i>Plasmodium</i> proteasome using small molecule inhibitors and active site probes. <i>ACS Chemical Biology</i> , 2014 , 9, 1869-76	4.9	36

167	Activity-based profiling of proteases. <i>Annual Review of Biochemistry</i> , 2014 , 83, 249-73	29.1	218
166	Phosphoramidates as novel activity-based probes for serine proteases. <i>ChemBioChem</i> , 2014 , 15, 1106-10	3.8	10
165	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
164	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
163	Small-molecule inhibition of a depalmitoylase enhances Toxoplasma host-cell invasion. <i>Nature Chemical Biology</i> , 2013 , 9, 651-6	11.7	47
162	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
161	Acid-mediated tumor proteolysis: contribution of cysteine cathepsins. <i>Neoplasia</i> , 2013 , 15, 1125-37	6.4	73
160	Target deconvolution techniques in modern phenotypic profiling. <i>Current Opinion in Chemical Biology</i> , 2013 , 17, 118-26	9.7	117
159	Plasmodium dipeptidyl aminopeptidases as malaria transmission-blocking drug targets. <i>Antimicrobial Agents and Chemotherapy</i> , 2013 , 57, 4645-52	5.9	17
158	Applications of small molecule probes in dissecting mechanisms of bacterial virulence and host responses. <i>Biochemistry</i> , 2013 , 52, 5985-96	3.2	17
157	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
156	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
155	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
154	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
153	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
152	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
151	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
150	Cathepsin C is a tissue-specific regulator of squamous carcinogenesis. <i>Genes and Development</i> , 2013 , 27, 2086-98	12.6	61

149	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
148	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
147	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
146	Validation of the proteasome as a therapeutic target in Plasmodium using an epoxyketone inhibitor with parasite-specific toxicity. <i>Chemistry and Biology</i> , 2012 , 19, 1535-45		61
145	The antimalarial natural product symplostatin 4 is a nanomolar inhibitor of the food vacuole falcipains. <i>Chemistry and Biology</i> , 2012 , 19, 1546-55		55
144	Cathepsin B inhibition limits bone metastasis in breast cancer. <i>Cancer Research</i> , 2012 , 72, 1199-209	10.1	153
143	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
142	Substrate specificity of Staphylococcus aureus cysteine proteases--Staphopains A, B and C. <i>Biochimie</i> , 2012 , 94, 318-27	4.6	15
141	Caspase-1 activity is required to bypass macrophage apoptosis upon Salmonella infection. <i>Nature Chemical Biology</i> , 2012 , 8, 745-7	11.7	49
140	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
139	Proteomic analysis of fractionated Toxoplasma oocysts reveals clues to their environmental resistance. <i>PLoS ONE</i> , 2012 , 7, e29955	3.7	83
138	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
137	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
136	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
135	An optimized activity-based probe for the study of caspase-6 activation. <i>Chemistry and Biology</i> , 2012 , 19, 340-52		48
134	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
133	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
132	Disruption of gingipain oligomerization into non-covalent cell-surface attached complexes. <i>Biological Chemistry</i> , 2012 , 393, 971-7	4.5	13

131	Topical application of activity-based probes for visualization of brain tumor tissue. <i>PLoS ONE</i> , 2012 , 7, e33060	3.7	60
130	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
129	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
128	Biochemical characterization of <i>Plasmodium falciparum</i> dipeptidyl aminopeptidase 1. <i>Molecular and Biochemical Parasitology</i> , 2011 , 175, 10-20	1.9	31
127	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
126	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
125	Cathepsin B trafficking in thyroid carcinoma cells. <i>Thyroid Research</i> , 2011 , 4 Suppl 1, S2	2.4	15
124	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
123	Inside Cover: A Fragmenting Hybrid Approach for Targeted Delivery of Multiple Therapeutic Agents to the Malaria Parasite (ChemMedChem 3/2011). <i>ChemMedChem</i> , 2011 , 6, 382-382	3.7	
122	Functional characterization of a SUMO deconjugating protease of <i>Plasmodium falciparum</i> using newly identified small molecule inhibitors. <i>Chemistry and Biology</i> , 2011 , 18, 711-21		38
121	Development of small molecule inhibitors and probes of human SUMO deconjugating proteases. <i>Chemistry and Biology</i> , 2011 , 18, 722-32		51
120	Development of activity-based probes for cathepsin X. <i>ACS Chemical Biology</i> , 2011 , 6, 563-72	4.9	38
119	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
118	Identification of a myeloid-derived suppressor cell cystatin-like protein that inhibits metastasis. <i>FASEB Journal</i> , 2011 , 25, 2626-37	0.9	22
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5	Structural basis for active-site probes targeting <i>Staphylococcus aureus</i> serine hydrolase virulence factors	1
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2	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
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