

# Matthew M Bogyo

## List of Publications by Year in descending order

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Version: 2024-02-01

274  
papers

22,691  
citations

6606

79  
h-index

11047

137  
g-index

342  
all docs

342  
docs citations

342  
times ranked

21996  
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification of covalent inhibitors that disrupt <i>M.Âtuberculosis</i> growth by targeting multiple serine hydrolases involved in lipid metabolism. <i>Cell Chemical Biology</i> , 2022, 29, 897-909.e7.	2.5	18
2	Activity-Based Diagnostics: Recent Advances in the Development of Probes for Use with Diverse Detection Modalities. <i>ACS Chemical Biology</i> , 2022, 17, 281-291.	1.6	11
3	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.	0.4	3
4	Uncovering an overlooked consequence of phosphorylation: change in cysteine reactivity. <i>Nature Methods</i> , 2022, 19, 281-283.	9.0	3
5	Identification of highly selective covalent inhibitors by phage display. <i>Nature Biotechnology</i> , 2021, 39, 490-498.	9.4	63
6	Challenges for Targeting SARS-CoV-2 Proteases as a Therapeutic Strategy for COVID-19. <i>ACS Infectious Diseases</i> , 2021, 7, 1457-1468.	1.8	75
7	Chemiluminescent Protease Probe for Rapid, Sensitive, and Inexpensive Detection of Live <i>Mycobacterium tuberculosis</i> . <i>ACS Central Science</i> , 2021, 7, 803-814.	5.3	31
8	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, .	1.3	13
9	<i>Toxoplasma gondii</i> serine hydrolases regulate parasite lipid mobilization during growth and replication within the host. <i>Cell Chemical Biology</i> , 2021, 28, 1501-1513.e5.	2.5	4
10	Selective activation of PFKL suppresses the phagocytic oxidative burst. <i>Cell</i> , 2021, 184, 4480-4494.e15.	13.5	61
11	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, 462.	1.8	5
12	AND-gate contrast agents for enhanced fluorescence-guided surgery. <i>Nature Biomedical Engineering</i> , 2021, 5, 264-277.	11.6	84
13	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, .	3.3	38
14	A “Swiss army knife” probe for metastatic cancers. <i>Nature Materials</i> , 2021, 20, 1312-1314.	13.3	4
15	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.	2.8	46
16	Structural Basis for the Inhibitor and Substrate Specificity of the Unique Fph Serine Hydrolases of <i>Staphylococcus aureus</i> . <i>ACS Infectious Diseases</i> , 2020, 6, 2771-2782.	1.8	14
17	Short-Wave Infrared Fluorescence Chemical Sensor for Detection of Otitis Media. <i>ACS Sensors</i> , 2020, 5, 3411-3419.	4.0	13
18	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, 9140.	1.8	5

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19	Plasmodium berghei K13 Mutations Mediate <i>In Vivo</i> Artemisinin Resistance That Is Reversed by Proteasome Inhibition. <i>MBio</i> , 2020, 11, .	1.8	15
20	Strategies for Tuning the Selectivity of Chemical Probes that Target Serine Hydrolases. <i>Cell Chemical Biology</i> , 2020, 27, 937-952.	2.5	41
21	The glucosyltransferase activity of <i>C. difficile</i> Toxin B is required for disease pathogenesis. <i>PLoS Pathogens</i> , 2020, 16, e1008852.	2.1	21
22	Design of Optical Imaging Probes by Screening of Diverse Substrate Libraries Directly in Disease Tissue Extracts. <i>Angewandte Chemie</i> , 2020, 132, 19305-19314.	1.6	2
23	Discovery of small molecules that normalize the transcriptome and enhance cysteine cathepsin activity in progranulin-deficient microglia. <i>Scientific Reports</i> , 2020, 10, 13688.	1.6	13
24	Pre-Trained Deep Convolutional Neural Network for <i>Clostridioides Difficile</i> Bacteria Cytotoxicity Classification Based on Fluorescence Images. <i>Sensors</i> , 2020, 20, 6713.	2.1	13
25	A Protease-Activated Fluorescent Probe Allows Rapid Visualization of Keratinocyte Carcinoma during Excision. <i>Cancer Research</i> , 2020, 80, 2045-2055.	0.4	15
26	The Clinical Drug Ebselen Attenuates Inflammation and Promotes Microbiome Recovery in Mice after Antibiotic Treatment for CDI. <i>Cell Reports Medicine</i> , 2020, 1, 100005.	3.3	26
27	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.	7.2	24
28	The Antimalarial Natural Product Salinipostin A Identifies Essential $\hat{\pm}/\hat{2}$ Serine Hydrolases Involved in Lipid Metabolism in <i>P. falciparum</i> Parasites. <i>Cell Chemical Biology</i> , 2020, 27, 143-157.e5.	2.5	48
29	Characterization of Serine Hydrolases Across Clinical Isolates of Commensal Skin Bacteria <i>Staphylococcus epidermidis</i> Using Activity-Based Protein Profiling. <i>ACS Infectious Diseases</i> , 2020, 6, 930-938.	1.8	15
30	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.	0.4	6
31	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.	1.1	24
32	Treatment of rat thyrocytes <i>in vitro</i> 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.	1.3	7
33	Synthetic and biological approaches to map substrate specificities of proteases. <i>Biological Chemistry</i> , 2019, 401, 165-182.	1.2	15
34	Leveraging Peptide Substrate Libraries to Design Inhibitors of Bacterial Lon Protease. <i>ACS Chemical Biology</i> , 2019, 14, 2453-2462.	1.6	12
35	Proteolytic processing and activation of gingipain zymogens secreted by T9SS of <i>Porphyromonas gingivalis</i> . <i>Biochimie</i> , 2019, 166, 161-172.	1.3	14
36	Covalent <i>Plasmodium falciparum</i> -selective proteasome inhibitors exhibit a low propensity for generating resistance <i>in vitro</i> and synergize with multiple antimalarial agents. <i>PLoS Pathogens</i> , 2019, 15, e1007722.	2.1	58

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37	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.	2.2	7
38	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.	1.6	2
39	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.	7.2	34
40	Identification of <i>Plasmodium</i> dipeptidyl aminopeptidase allosteric inhibitors by high throughput screening. <i>PLoS ONE</i> , 2019, 14, e0226270.	1.1	7
41	Covalent Modifiers of Botulinum Neurotoxin Counteract Toxin Persistence. <i>ACS Chemical Biology</i> , 2019, 14, 76-87.	1.6	11
42	Catalytic linkage between caspase activity and proteostasis in <i>Archaea</i> . <i>Environmental Microbiology</i> , 2019, 21, 286-298.	1.8	4
43	Synthetic Fluorogenic Peptides Reveal Dynamic Substrate Specificity of Depalmitoylases. <i>Cell Chemical Biology</i> , 2019, 26, 35-47.e7.	2.5	26
44	Molecular imaging and validation of margins in surgically excised nonmelanoma skin cancer specimens. <i>Journal of Medical Imaging</i> , 2019, 6, 1.	0.8	10
45	Abstract OR-12: Cryo-EM of Human and Parasite Proteasomes for Structure-Based Drug Design. <i>International Journal of Biomedicine</i> , 2019, 9, S10-S11.	0.1	0
46	New Blood Test SEEks To Detect and Localize Cancer before It's Too Late. <i>Biochemistry</i> , 2018, 57, 1561-1562.	1.2	1
47	TGF- $\beta$ Regulates Cathepsin Activation during Normal and Pathogenic Development. <i>Cell Reports</i> , 2018, 22, 2964-2977.	2.9	17
48	Reactive-site-centric chemoproteomics identifies a distinct class of deubiquitinase enzymes. <i>Nature Communications</i> , 2018, 9, 1162.	5.8	85
49	Optimization of a Protease Activated Probe for Optical Surgical Navigation. <i>Molecular Pharmaceutics</i> , 2018, 15, 750-758.	2.3	46
50	The <i>Toxoplasma gondii</i> Active Serine Hydrolase 4 Regulates Parasite Division and Intravacuolar Parasite Architecture. <i>MSphere</i> , 2018, 3, .	1.3	7
51	An Automatic Analysis System for High-Throughput <i>Clostridium Difficile</i> Toxin Activity Screening. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 1512.	1.3	2
52	Validation of near infrared fluorescence (NIRF) probes in vivo with dual laser NIRF endoscope. <i>PLoS ONE</i> , 2018, 13, e0206568.	1.1	8
53	Chemical Tools for Selective Activity Profiling of Endogenously Expressed MMP-14 in Multicellular Models. <i>ACS Chemical Biology</i> , 2018, 13, 2645-2654.	1.6	24
54	Identification of a <i>S. aureus</i> virulence factor by activity-based protein profiling (ABPP). <i>Nature Chemical Biology</i> , 2018, 14, 609-617.	3.9	67

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55	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.	6.6	104
56	Defining the Determinants of Specificity of <i>Plasmodium</i> Proteasome Inhibitors. <i>Journal of the American Chemical Society</i> , 2018, 140, 11424-11437.	6.6	54
57	Development of an activity-based probe for acyl-protein thioesterases. <i>PLoS ONE</i> , 2018, 13, e0190255.	1.1	18
58	Activity-based probes for the multicatalytic proteasome. <i>FEBS Journal</i> , 2017, 284, 1540-1554.	2.2	25
59	Frontline Science: Multiple cathepsins promote inflammasome-independent, particle-induced cell death during NLRP3-dependent IL-1 $\beta$ activation. <i>Journal of Leukocyte Biology</i> , 2017, 102, 7-17.	1.5	53
60	Chemical Strategies To Target Bacterial Virulence. <i>Chemical Reviews</i> , 2017, 117, 4422-4461.	23.0	100
61	Toxoplasma DJ-1 Regulates Organelle Secretion by a Direct Interaction with Calcium-Dependent Protein Kinase 1. <i>MBio</i> , 2017, 8, .	1.8	15
62	Activity-based probes for the ubiquitin conjugation-deconjugation machinery: new chemistries, new tools, and new insights. <i>FEBS Journal</i> , 2017, 284, 1555-1576.	2.2	109
63	Individuals with progranulin haploinsufficiency exhibit features of neuronal ceroid lipofuscinosis. <i>Science Translational Medicine</i> , 2017, 9, .	5.8	147
64	Introduction to the Special Issue on Proteases and Proteolysis in Health and Disease. <i>FEBS Journal</i> , 2017, 284, 1392-1393.	2.2	6
65	Toxoplasma depends on lysosomal consumption of autophagosomes for persistent infection. <i>Nature Microbiology</i> , 2017, 2, 17096.	5.9	72
66	Inhibition of NGLY1 Inactivates the Transcription Factor Nrf1 and Potentiates Proteasome Inhibitor Cytotoxicity. <i>ACS Central Science</i> , 2017, 3, 1143-1155.	5.3	146
67	Myoepithelial cell-specific expression of stefin A as a suppressor of early breast cancer invasion. <i>Journal of Pathology</i> , 2017, 243, 496-509.	2.1	44
68	Vasohibins/SVBP are tubulin carboxypeptidases (TCPs) that regulate neuron differentiation. <i>Science</i> , 2017, 358, 1448-1453.	6.0	198
69	Protein Degradation Systems as Antimalarial Therapeutic Targets. <i>Trends in Parasitology</i> , 2017, 33, 731-743.	1.5	46
70	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.	0.4	36
71	Membrane skeletal association and post-translational allosteric regulation of <i>Toxoplasma gondii</i> GAPDH1. <i>Molecular Microbiology</i> , 2017, 103, 618-634.	1.2	18
72	Rapid visualization of nonmelanoma skin cancer. <i>Journal of the American Academy of Dermatology</i> , 2017, 76, 209-216.e9.	0.6	24

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73	The lysosomal protein cathepsin L is a progranulin protease. <i>Molecular Neurodegeneration</i> , 2017, 12, 55.	4.4	81
74	Deletion of the rodent malaria ortholog for falcipain-1 highlights differences between hepatic and blood stage merozoites. <i>PLoS Pathogens</i> , 2017, 13, e1006586.	2.1	31
75	Cathepsin Activity-Based Probes and Inhibitor for Preclinical Atherosclerosis Imaging and Macrophage Depletion. <i>PLoS ONE</i> , 2016, 11, e0160522.	1.1	34
76	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.	2.2	25
77	Design of Selective Substrates and Activity-Based Probes for Hydrolase Important for Pathogenesis 1 (HIP1) from <i>Mycobacterium tuberculosis</i> . <i>ACS Infectious Diseases</i> , 2016, 2, 807-815.	1.8	45
78	Response to Comment on "A small-molecule antivirulence agent for treating <i>Clostridium difficile</i> infection". <i>Science Translational Medicine</i> , 2016, 8, 370tr2.	5.8	1
79	Non-invasive Imaging of Idiopathic Pulmonary Fibrosis Using Cathepsin Protease Probes. <i>Scientific Reports</i> , 2016, 6, 19755.	1.6	97
80	Dual-Modality Activity-Based Probes as Molecular Imaging Agents for Vascular Inflammation. <i>Journal of Nuclear Medicine</i> , 2016, 57, 1583-1590.	2.8	39
81	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.	1.3	27
82	Detection of Active Caspases During Apoptosis Using Fluorescent Activity-Based Probes. <i>Methods in Molecular Biology</i> , 2016, 1419, 27-39.	0.4	11
83	An in vivo multiplexed small-molecule screening platform. <i>Nature Methods</i> , 2016, 13, 883-889.	9.0	57
84	Legumain is activated in macrophages during pancreatitis. <i>American Journal of Physiology - Renal Physiology</i> , 2016, 311, G548-G560.	1.6	35
85	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.	2.5	40
86	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.	2.5	200
87	Cysteine Cathepsin Inhibitors as Anti-Ebola Agents. <i>ACS Infectious Diseases</i> , 2016, 2, 173-179.	1.8	33
88	Structure- and function-based design of Plasmodium-selective proteasome inhibitors. <i>Nature</i> , 2016, 530, 233-236.	13.7	208
89	Labeling of active proteases in fresh-frozen tissues by topical application of quenched activity-based probes. <i>Nature Protocols</i> , 2016, 11, 184-191.	5.5	52
90	Successful Translation of Fluorescence Navigation During Oncologic Surgery: A Consensus Report. <i>Journal of Nuclear Medicine</i> , 2016, 57, 144-150.	2.8	125

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91	Disruption of glycolytic flux is a signal for inflammasome signaling and pyroptotic cell death. <i>ELife</i> , 2016, 5, e13663.	2.8	154
92	Subfamily-Specific Fluorescent Probes for Cysteine Proteases Display Dynamic Protease Activities during Seed Germination. <i>Plant Physiology</i> , 2015, 168, 1462-1475.	2.3	41
93	Detection of Intestinal Cancer by Local, Topical Application of a Quenched Fluorescence Probe for Cysteine Cathepsins. <i>Chemistry and Biology</i> , 2015, 22, 148-158.	6.2	69
94	Probes to Monitor Activity of the Paracaspase MALT1. <i>Chemistry and Biology</i> , 2015, 22, 139-147.	6.2	23
95	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, 4771-4777.	6.6	63
96	Trioxolane-Mediated Delivery of Mefloquine Limits Brain Exposure in a Mouse Model of Malaria. <i>ACS Medicinal Chemistry Letters</i> , 2015, 6, 1145-1149.	1.3	14
97	A small-molecule antivirulence agent for treating <i>Clostridium difficile</i> infection. <i>Science Translational Medicine</i> , 2015, 7, 306ra148.	5.8	117
98	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, 1977-1988.	1.6	102
99	Calcium Regulates the Activity and Structural Stability of Tpr, a Bacterial Calpain-like Peptidase. <i>Journal of Biological Chemistry</i> , 2015, 290, 27248-27260.	1.6	11
100	Multiple Cathepsins Promote Pro-IL-1 $\beta$ Synthesis and NLRP3-Mediated IL-1 $\beta$ Activation. <i>Journal of Immunology</i> , 2015, 195, 1685-1697.	0.4	208
101	The protease cathepsin L regulates Th17 cell differentiation. <i>Journal of Autoimmunity</i> , 2015, 65, 56-63.	3.0	41
102	Global Analysis of Palmitoylated Proteins in <i>Toxoplasma gondii</i> . <i>Cell Host and Microbe</i> , 2015, 18, 501-511.	5.1	90
103	Design and Synthesis of Activity-Based Probes and Inhibitors for Bleomycin Hydrolase. <i>Chemistry and Biology</i> , 2015, 22, 995-1001.	6.2	8
104	Inhibition of cathepsin proteases attenuates migration and sensitizes aggressive N-Myc amplified human neuroblastoma cells to doxorubicin. <i>Oncotarget</i> , 2015, 6, 11175-11190.	0.8	22
105	Cysteine cathepsin activity suppresses osteoclastogenesis of myeloid-derived suppressor cells in breast cancer. <i>Oncotarget</i> , 2015, 6, 27008-27022.	0.8	39
106	Loss of Prkar1a leads to Bcl-2 family protein induction and cachexia in mice. <i>Cell Death and Differentiation</i> , 2014, 21, 1815-1824.	5.0	15
107	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, 739-751.	1.1	32
108	Serine proteases and protease-activated receptor 2 mediate the proinflammatory and algescic actions of diverse stimulants. <i>British Journal of Pharmacology</i> , 2014, 171, 3814-3826.	2.7	29

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109	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, 13562-13565.	6.6	46
110	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, 608-618.	1.3	8
111	Assessing Subunit Dependency of the <i>Plasmodium</i> Proteasome Using Small Molecule Inhibitors and Active Site Probes. <i>ACS Chemical Biology</i> , 2014, 9, 1869-1876.	1.6	46
112	Activity-Based Profiling of Proteases. <i>Annual Review of Biochemistry</i> , 2014, 83, 249-273.	5.0	303
113	Phosphoramidates as Novel Activity-Based Probes for Serine Proteases. <i>ChemBioChem</i> , 2014, 15, 1106-1110.	1.3	12
114	A Biocompatible Split Luciferin Reaction and Its Application for Noninvasive Bioluminescent Imaging of Protease Activity in Living Animals. <i>Current Protocols in Chemical Biology</i> , 2014, 6, 169-189.	1.7	8
115	Small-molecule inhibition of a depalmitoylase enhances <i>Toxoplasma</i> host-cell invasion. <i>Nature Chemical Biology</i> , 2013, 9, 651-656.	3.9	55
116	Improved Quenched Fluorescent Probe for Imaging of Cysteine Cathepsin Activity. <i>Journal of the American Chemical Society</i> , 2013, 135, 14726-14730.	6.6	175
117	Acid-Mediated Tumor Proteolysis: Contribution of Cysteine Cathepsins. <i>Neoplasia</i> , 2013, 15, 1125-IN9.	2.3	88
118	Target deconvolution techniques in modern phenotypic profiling. <i>Current Opinion in Chemical Biology</i> , 2013, 17, 118-126.	2.8	137
119	<i>Plasmodium</i> Dipeptidyl Aminopeptidases as Malaria Transmission-Blocking Drug Targets. <i>Antimicrobial Agents and Chemotherapy</i> , 2013, 57, 4645-4652.	1.4	23
120	Applications of Small Molecule Probes in Dissecting Mechanisms of Bacterial Virulence and Host Responses. <i>Biochemistry</i> , 2013, 52, 5985-5996.	1.2	17
121	Identification of a serine protease inhibitor which causes inclusion vacuole reduction and is lethal to <i>Chlamydia trachomatis</i> . <i>Molecular Microbiology</i> , 2013, 89, 676-689.	1.2	55
122	Functional Imaging of Legumain in Cancer Using a New Quenched Activity-Based Probe. <i>Journal of the American Chemical Society</i> , 2013, 135, 174-182.	6.6	131
123	A Substrate-Inspired Probe Monitors Translocation, Activation, and Subcellular Targeting of Bacterial Type III Effector Protease AvrPphB. <i>Chemistry and Biology</i> , 2013, 20, 168-176.	6.2	14
124	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.	1.7	20
125	A Biocompatible <i>In Vivo</i> Ligation Reaction and Its Application for Noninvasive Bioluminescent Imaging of Protease Activity in Living Mice. <i>ACS Chemical Biology</i> , 2013, 8, 987-999.	1.6	51
126	New technologies and their impact on omics™ research. <i>Current Opinion in Chemical Biology</i> , 2013, 17, 1-3.	2.8	43



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127	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, 9130-9138.	6.6	31
128	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, 9139-9148.	6.6	35
129	Cathepsin C is a tissue-specific regulator of squamous carcinogenesis. <i>Genes and Development</i> , 2013, 27, 2086-2098.	2.7	74
130	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, 18244-18249.	3.3	19
131	Activity profiling of vacuolar processing enzymes reveals a role for VPE during oomycete infection. <i>Plant Journal</i> , 2013, 73, 689-700.	2.8	58
132	Active cathepsins B, L, and S in murine and human pancreatitis. <i>American Journal of Physiology - Renal Physiology</i> , 2012, 303, G894-G903.	1.6	33
133	Disruption of gingipain oligomerization into non-covalent cell-surface attached complexes. <i>Biological Chemistry</i> , 2012, 393, 971-977.	1.2	15
134	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, 1535-1545.	6.2	76
135	The Antimalarial Natural Product Symplostatin 4 Is a Nanomolar Inhibitor of the Food Vacuole Falcipains. <i>Chemistry and Biology</i> , 2012, 19, 1546-1555.	6.2	67
136	Cathepsin B Inhibition Limits Bone Metastasis in Breast Cancer. <i>Cancer Research</i> , 2012, 72, 1199-1209.	0.4	173
137	Subclassification and Biochemical Analysis of Plant Papain-Like Cysteine Proteases Displays Subfamily-Specific Characteristics. <i>Plant Physiology</i> , 2012, 158, 1583-1599.	2.3	166
138	Substrate specificity of Staphylococcus aureus cysteine proteases – Staphopains A, B and C. <i>Biochimie</i> , 2012, 94, 318-327.	1.3	20
139	Caspase-1 activity is required to bypass macrophage apoptosis upon Salmonella infection. <i>Nature Chemical Biology</i> , 2012, 8, 745-747.	3.9	53
140	Three-dimensional cultures modeling premalignant progression of human breast epithelial cells: role of cysteine cathepsins. <i>Biological Chemistry</i> , 2012, 393, 1405-1416.	1.2	28
141	Proteomic Analysis of Fractionated Toxoplasma Oocysts Reveals Clues to Their Environmental Resistance. <i>PLoS ONE</i> , 2012, 7, e29955.	1.1	101
142	New approaches for dissecting protease functions to improve probe development and drug discovery. <i>Nature Structural and Molecular Biology</i> , 2012, 19, 9-16.	3.6	143
143	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, 1098-1109.	6.7	53
144	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, 503-515.	2.2	72

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145	An Optimized Activity-Based Probe for the Study of Caspase-6 Activation. <i>Chemistry and Biology</i> , 2012, 19, 340-352.	6.2	52
146	A Nonpeptidic Cathepsin S Activity-Based Probe for Noninvasive Optical Imaging of Tumor-Associated Macrophages. <i>Chemistry and Biology</i> , 2012, 19, 619-628.	6.2	103
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