Guy S Salvesen

List of Publications by Year
in descending order

208 papers	51,919 citations	3149 92 h-index	2274 200 g-index
214 all docs	214 docs citations	214 times ranked	46044 citing authors

#	Article	IF	Citations
1	Guidelines for the use and interpretation of assays for monitoring autophagy. Autophagy, 2012, 8, 445-544.	4.3	3,122
2	Regulation of Cell Death Protease Caspase-9 by Phosphorylation. , 1998, 282, 1318-1321.		2,696
3	Caspase-11 cleaves gasdermin D for non-canonical inflammasome signalling. Nature, 2015, 526, 666-671.	13.7	2,622
4	Yama/CPP32Î², a mammalian homolog of CED-3, is a CrmA-inhibitable protease that cleaves the death substrate poly(ADP-ribose) polymerase. Cell, 1995, 81, 801-809.	13.5	2,396
5	Human ICE/CED-3 Protease Nomenclature. Cell, 1996, 87, 171.	13.5	2,091
6	Caspases: Intracellular Signaling by Proteolysis. Cell, 1997, 91, 443-446.	13.5	2,052
7	X-linked IAP is a direct inhibitor of cell-death proteases. Nature, 1997, 388, 300-304.	13.7	1,808
8	IAP proteins: blocking the road to death's door. Nature Reviews Molecular Cell Biology, 2002, 3, 401-410.	16.1	1,650
9	Mechanisms of caspase activation. Current Opinion in Cell Biology, 2003, 15, 725-731.	2.6	1,152
10	The Serpins Are an Expanding Superfamily of Structurally Similar but Functionally Diverse Proteins. Journal of Biological Chemistry, 2001, 276, 33293-33296.	1.6	1,069
11	Catalytic activity of the caspase-8â€“FLIPL complex inhibits RIPK3-dependent necrosis. Nature, 2011, 471, 363-367.	13.7	1,059
12	Viral inhibition of inflammation: Cowpox virus encodes an inhibitor of the interleukin-1Î² converting enzyme. Cell, 1992, 69, 597-604.	13.5	1,014
13	Pannexin 1 channels mediate â€˜find-meâ€™ signal release and membrane permeability during apoptosis. Nature, 2010, 467, 863-867.	13.7	929
14	The apoptosome: signalling platform of cell death. Nature Reviews Molecular Cell Biology, 2007, 8, 405-413.	16.1	916
15	An Induced Proximity Model for Caspase-8 Activation. Journal of Biological Chemistry, 1998, 273, 2926-2930.	1.6	879
16	A Unified Model for Apical Caspase Activation. Molecular Cell, 2003, 11, 529-541.	4.5	855
17	The protein structures that shape caspase activity, specificity, activation and inhibition. Biochemical Journal, 2004, 384, 201-232.	1.7	754
18	Structural Basis for the Inhibition of Caspase-3 by XIAP. Cell, 2001, 104, 791-800.	13.5	717

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19	Human inhibitor of apoptosis proteins: why XIAP is the black sheep of the family. EMBO Reports, 2006, 7, 988-994.	2.0	712
20	Pro-caspase-3 Is a Major Physiologic Target of Caspase-8. Journal of Biological Chemistry, 1998, 273, 27084-27090.	1.6	653
21	Human Caspases: Activation, Specificity, and Regulation. Journal of Biological Chemistry, 2009, 284, 21777-21781.	1.6	591
22	Lysosomal Protease Pathways to Apoptosis. Journal of Biological Chemistry, 2001, 276, 3149-3157.	1.6	576
23	Caspase Cleavage of Keratin 18 and Reorganization of Intermediate Filaments during Epithelial Cell Apoptosis. Journal of Cell Biology, 1997, 138, 1379-1394.	2.3	562
24	A Single BIR Domain of XIAP Sufficient for Inhibiting Caspases. Journal of Biological Chemistry, 1998, 273, 7787-7790.	1.6	522
25	Caspase Cleavage of Gene Products Associated with Triplet Expansion Disorders Generates Truncated Fragments Containing the Polyglutamine Tract. Journal of Biological Chemistry, 1998, 273, 9158-9167.	1.6	499
26	The Regulation of Anoikis: MEKK-1 Activation Requires Cleavage by Caspases. Cell, 1997, 90, 315-323.	13.5	495
27	Target Protease Specificity of the Viral Serpin CrmA. Journal of Biological Chemistry, 1997, 272, 7797-7800.	1.6	494
28	Biochemical Characteristics of Caspases-3, -6, -7, and -8. Journal of Biological Chemistry, 1997, 272, 25719-25723.	1.6	483
29	Emerging principles in protease-based drug discovery. Nature Reviews Drug Discovery, 2010, 9, 690-701.	21.5	476
30	Solution Structure of BID, an Intracellular Amplifier of Apoptotic Signaling. Cell, 1999, 96, 615-624.	13.5	461
31	Caspase-9 Can Be Activated without Proteolytic Processing. Journal of Biological Chemistry, 1999, 274, 8359-8362.	1.6	436
32	Zinc Is a Potent Inhibitor of the Apoptotic Protease, Caspase-3. Journal of Biological Chemistry, 1997, 272, 18530-18533.	1.6	434
33	Small-molecule antagonists of apoptosis suppressor XIAP exhibit broad antitumor activity. Cancer Cell, 2004, 5, 25-35.	7.7	415
34	Selective Disruption of Lysosomes in HeLa Cells Triggers Apoptosis Mediated by Cleavage of Bid by Multiple Papain-like Lysosomal Cathepsins. Journal of Biological Chemistry, 2004, 279, 3578-3587.	1.6	412
35	Cleavage of Automodified Poly(ADP-ribose) Polymerase during Apoptosis. Journal of Biological Chemistry, 1999, 274, 28379-28384.	1.6	400
36	A second cytotoxic proteolytic peptide derived from amyloid Î²-protein precursor. Nature Medicine, 2000, 6, 397-404.	15.2	396

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37	ML-IAP, a novel inhibitor of apoptosis that is preferentially expressed in human melanomas. Current Biology, 2000, 10, 1359-1366.	1.8	389
38	Matrix metalloproteinase 2 from human rheumatoid synovial fibroblasts. Purification and activation of the precursor and enzymic properties. FEBS Journal, 1990, 194, 721-730.	0.2	386
39	The DCC gene product induces apoptosis by a mechanism requiring receptor proteolysis. Nature, 1998, 395, 801-804.	13.7	382
40	XIAP inhibits caspase-3 and -7 using two binding sites: evolutionarily conserved mechanism of IAPs. EMBO Journal, 2005, 24, 645-655.	3.5	360
41	Regulation of the Apaf-1â€"caspase-9 apoptosome. Journal of Cell Science, 2010, 123, 3209-3214.	1.2	354
42	An IAP-IAP Complex Inhibits Apoptosis. Journal of Biological Chemistry, 2004, 279, 34087-34090.	1.6	332
43	Cysteine Cathepsins Trigger Caspase-dependent Cell Death through Cleavage of Bid and Antiapoptotic Bcl-2 Homologues. Journal of Biological Chemistry, 2008, 283, 19140-19150.	1.6	327
44	Activity-based probes that target diverse cysteine protease families. Nature Chemical Biology, 2005, 1, 33-38.	3.9	321
45	The Fasâ€"FADD death domain complex structure unravels signalling by receptor clustering. Nature, 2009, 457, 1019-1022.	13.7	316
46	FLICE Induced Apoptosis in a Cell-free System. Journal of Biological Chemistry, 1997, 272, 2952-2956.	1.6	315
47	The Human Anti-apoptotic Proteins cIAP1 and cIAP2 Bind but Do Not Inhibit Caspases. Journal of Biological Chemistry, 2006, 281, 3254-3260.	1.6	309
48	Internally quenched fluorescent peptide substrates disclose the subsite preferences of human caspases 1, 3, 6, 7 and 8. Biochemical Journal, 2000, 350, 563-568.	1.7	283
49	Caspases:Â Keys in the Ignition of Cell Death. Chemical Reviews, 2002, 102, 4489-4500.	23.0	280
50	Caspases: opening the boxes and interpreting the arrows. Cell Death and Differentiation, 2002, 9, 3-5.	5.0	259
51	The Apoptosome Activates Caspase-9 by Dimerization. Molecular Cell, 2006, 22, 269-275.	4.5	254
52	Caspase activation â€" stepping on the gas or releasing the brakes? Lessons from humans and flies. Oncogene, 2004, 23, 2774-2784.	2.6	222
53	Regulating Cysteine Protease Activity: Essential Role of Protease Inhibitors As Guardians and Regulators. Current Pharmaceutical Design, 2002, 8, 1623-1637.	0.9	221
54	Granzyme B Is Inhibited by the Cowpox Virus Serpin Cytokine Response Modifier A. Journal of Biological Chemistry, 1995, 270, 10377-10379.	1.6	214

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55	Regulated Cell Death: Signaling and Mechanisms. Annual Review of Cell and Developmental Biology, 2014, 30, 337-356.	4.0	212
56	Kennedy's Disease. Journal of Neurochemistry, 1999, 72, 185-195.	2.1	211
57	FLIPL induces caspase 8 activity in the absence of interdomain caspase 8 cleavage and alters substrate specificity. Biochemical Journal, 2011, 433, 447-457.	1.7	194
58	Caspase Mechanisms. Advances in Experimental Medicine and Biology, 2008, 615, 13-23.	0.8	191
59	Ionomycin-activated Calpain Triggers Apoptosis. Journal of Biological Chemistry, 2002, 277, 27217-27226.	1.6	183
60	Molecular Ordering of Apoptotic Mammalian CED-3/ICE-like Proteases. Journal of Biological Chemistry, 1996, 271, 20977-20980.	1.6	180
61	Inducible Dimerization and Inducible Cleavage Reveal a Requirement for Both Processes in Caspase-8 Activation. Journal of Biological Chemistry, 2010, 285, 16632-16642.	1.6	178
62	Anti-apoptotic oncogenes prevent caspase-dependent and independent commitment for cell death. Cell Death and Differentiation, 1998, 5, 298-306.	5.0	171
63	Substrate specificities and activation mechanisms of matrix metalloproteinases. Biochemical Society Transactions, 1991, 19, 715-718.	1.6	169
64	Cathepsin G Inhibition by Serpinb1 and Serpinb6 Prevents Programmed Necrosis in Neutrophils and Monocytes and Reduces GSDMD-Driven Inflammation. Cell Reports, 2019, 27, 3646-3656.e5.	2.9	166
65	Caspases and apoptosis. Essays in Biochemistry, 2002, 38, 9-19.	2.1	164
66	Transnitrosylation of XIAP Regulates Caspase-Dependent Neuronal Cell Death. Molecular Cell, 2010, 39, 184-195.	4.5	162
67	Reprieval from execution: the molecular basis of caspase inhibition. Trends in Biochemical Sciences, 2002, 27, 94-101.	3.7	160
68	RIPK-Dependent Necrosis and Its Regulation by Caspases: A Mystery in Five Acts. Molecular Cell, 2011, 44, 9-16.	4.5	159
69	Endogenous inhibitors of caspases. Journal of Clinical Immunology, 1999, 19, 388-398.	2.0	156
70	Caspase Substrates and Inhibitors. Cold Spring Harbor Perspectives in Biology, 2013, 5, a008680-a008680.	2.3	155
71	Streptolysin O Promotes Group A Streptococcus Immune Evasion by Accelerated Macrophage Apoptosis. Journal of Biological Chemistry, 2009, 284, 862-871.	1.6	151
72	Design of ultrasensitive probes for human neutrophil elastase through hybrid combinatorial substrate library profiling. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 2518-2523.	3.3	148

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73	Granzyme B Mimics Apical Caspases. Journal of Biological Chemistry, 1998, 273, 34278-34283.	1.6	147
74	The caspase-8 inhibitor emricasan combines with the SMAC mimetic birinapant to induce necroptosis and treat acute myeloid leukemia. Science Translational Medicine, 2016, 8, 339ra69.	5.8	140
75	Small Ubiquitin-related Modifier (SUMO)-specific Proteases. Journal of Biological Chemistry, 2007, 282, 26217-26224.	1.6	138
76	Dominant-interfering forms of MEF2 generated by caspase cleavage contribute to NMDA-induced neuronal apoptosis. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 3974-3979.	3.3	135
77	Caspase-14 Is a Novel Developmentally Regulated Protease. Journal of Biological Chemistry, 1998, 273, 29648-29653.	1.6	126
78	XIAP-mediated Caspase Inhibition in Hodgkin's Lymphomaâ€"derived B Cells. Journal of Experimental Medicine, 2003, 198, 341-347.	4.2	124
79	Granzyme Release and Caspase Activation in Activated Human T-Lymphocytes. Journal of Biological Chemistry, 1998, 273, 6916-6920.	1.6	121
80	Regulation of Histone Acetylation by Autophagy in Parkinson Disease. Journal of Biological Chemistry, 2016, 291, 3531-3540.	1.6	119
81	Structural and kinetic determinants of protease substrates. Nature Structural and Molecular Biology, 2009, 16, 1101-1108.	3.6	118
82	Identification of Early Intermediates of Caspase Activation Using Selective Inhibitors and Activity-Based Probes. Molecular Cell, 2006, 23, 509-521.	4.5	117
83	A primer on caspase mechanisms. Seminars in Cell and Developmental Biology, 2018, 82, 79-85.	2.3	114
84	Functions of caspase 8: The identified and the mysterious. Seminars in Immunology, 2014, 26, 246-252.	2.7	113
85	Complementary roles of Fas-associated death domain (FADD) and receptor interacting protein kinase-3 (RIPK3) in T-cell homeostasis and antiviral immunity. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 15312-15317.	3.3	108
86	Caspase-3-mediated Processing of Poly(ADP-ribose) Glycohydrolase during Apoptosis. Journal of Biological Chemistry, 2001, 276, 2935-2942.	1.6	106
87	Caspases on the brain. Journal of Neuroscience Research, 2002, 69, 145-150.	1.3	104
88	Comparative Analysis of Apoptosis and Inflammation Genes of Mice and Humans. Genome Research, 2003, 13, 1376-1388.	2.4	104
89	Mitochondrial pathway of apoptosis is ancestral in metazoans. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 4904-4909.	3.3	104
90	Granzyme B/Perforin-Mediated Apoptosis of Jurkat Cells Results in Cleavage of Poly(ADP-ribose) Polymerase to the 89-kDa Apoptotic Fragment and Less Abundant 64-kDa Fragment. Biochemical and Biophysical Research Communications, 1996, 227, 658-665.	1.0	101

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91	Cleavage of Atrophin-1 at Caspase Site Aspartic Acid 109 Modulates Cytotoxicity. Journal of Biological Chemistry, 1999, 274, 8730-8736.	1.6	99
92	Human Caspase-7 Activity and Regulation by Its N-terminal Peptide. Journal of Biological Chemistry, 2003, 278, 34042-34050.	1.6	96
93	Neutralization of Smac/Diablo by Inhibitors of Apoptosis (IAPs). Journal of Biological Chemistry, 2004, 279, 51082-51090.	1.6	95
94	Aminopeptidase Fingerprints, an Integrated Approach for Identification of Good Substrates and Optimal Inhibitors. Journal of Biological Chemistry, 2010, 285, 3310-3318.	1.6	94
95	The Pyroptotic Cell Death Effector Gasdermin D Is Activated by Gout-Associated Uric Acid Crystals but Is Dispensable for Cell Death and IL-1Î² Release. Journal of Immunology, 2019, 203, 736-748.	0.4	93
96	Protease signaling in animal and plantâ€regulated cell death. FEBS Journal, 2016, 283, 2577-2598.	2.2	90
97	Caspase Assays. Methods in Enzymology, 2000, 322, 91-100.	0.4	89
98	Toolbox of Fluorescent Probes for Parallel Imaging Reveals Uneven Location of Serine Proteases in Neutrophils. Journal of the American Chemical Society, 2017, 139, 10115-10125.	6.6	86
99	Intranasal Delivery of Caspase-9 Inhibitor Reduces Caspase-6-Dependent Axon/Neuron Loss and Improves Neurological Function after Stroke. Journal of Neuroscience, 2011, 31, 8894-8904.	1.7	84
100	Identification of Proteolytic Cleavage Sites by Quantitative Proteomics. Journal of Proteome Research, 2007, 6, 2850-2858.	1.8	83
101	Synthesis of a HyCoSuL peptide substrate library to dissect protease substrate specificity. Nature Protocols, 2017, 12, 2189-2214.	5.5	80
102	Glycosylation Broadens the Substrate Profile of Membrane Type 1 Matrix Metalloproteinase. Journal of Biological Chemistry, 2004, 279, 8278-8289.	1.6	79
103	Aza-Peptide Michael Acceptors:Â A New Class of Inhibitors Specific for Caspases and Other Clan CD Cysteine Proteases. Journal of Medicinal Chemistry, 2004, 47, 1889-1892.	2.9	76
104	Extensive peptide and natural protein substrate screens reveal that mouse caspase-11 has much narrower substrate specificity than caspase-1. Journal of Biological Chemistry, 2018, 293, 7058-7067.	1.6	74
105	The Dynamics and Mechanism of SUMO Chain Deconjugation by SUMO-specific Proteases. Journal of Biological Chemistry, 2011, 286, 10238-10247.	1.6	71
106	Classification and Nomenclature of Metacaspases and Paracaspases: No More Confusion with Caspases. Molecular Cell, 2020, 77, 927-929.	4.5	71
107	Small Molecule Active Site Directed Tools for Studying Human Caspases. Chemical Reviews, 2015, 115, 12546-12629.	23.0	68
108	Apoptosome. Developmental Cell, 2002, 2, 256-257.	3.1	66

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109	Protection from Isopeptidase-Mediated Deconjugation Regulates Paralog-Selective Sumoylation of RanGAP1. Molecular Cell, 2009, 33, 570-580.	4.5	65
110	Design, Synthesis, and Evaluation of Aza-Peptide Michael Acceptors as Selective and Potent Inhibitors of Caspases-2, -3, -6, -7, -8, -9, and -10. Journal of Medicinal Chemistry, 2006, 49, 5728-5749.	2.9	64
111	Selective imaging of cathepsinÂL in breast cancer by fluorescent activity-based probes. Chemical Science, 2018, 9, 2113-2129.	3.7	64
112	Fingerprinting the Substrate Specificity of M1 and M17 Aminopeptidases of Human Malaria, Plasmodium falciparum. PLoS ONE, 2012, 7, e31938.	1.1	64
113	TRAF1 Is a Substrate of Caspases Activated during Tumor Necrosis Factor Receptor-Î±-induced Apoptosis. Journal of Biological Chemistry, 2001, 276, 8087-8093.	1.6	62
114	Direct Cleavage of AMPA Receptor Subunit GluR1 and Suppression of AMPA Currents by Caspase-3. NeuroMolecular Medicine, 2002, 1, 69-80.	1.8	62
115	Development of Small Molecule Inhibitors and Probes of Human SUMO Deconjugating Proteases. Chemistry and Biology, 2011, 18, 722-732.	6.2	60
116	A lysosomal protease enters the death scene. Journal of Clinical Investigation, 2001, 107, 21-23.	3.9	60
117	Aza-Peptide Epoxides:Â A New Class of Inhibitors Selective for Clan CD Cysteine Proteases. Journal of Medicinal Chemistry, 2002, 45, 4958-4960.	2.9	59
118	Caspase Cleavage Sites in the Human Proteome: CaspDB, a Database of Predicted Substrates. PLoS ONE, 2014, 9, e110539.	1.1	59
119	Sequential Autolytic Processing Activates the Zymogen of Arg-gingipain. Journal of Biological Chemistry, 2003, 278, 10458-10464.	1.6	56
120	Design, Synthesis, and Evaluation of Aza-Peptide Epoxides as Selective and Potent Inhibitors of Caspases-1, -3, -6, and -8. Journal of Medicinal Chemistry, 2004, 47, 1553-1574.	2.9	56
121	Crystal structure of the apoptotic suppressor CrmA in its cleaved form. Structure, 2000, 8, 789-797.	1.6	55
122	Investigation of glucocorticoid-induced apoptotic pathway: Processing of Caspase-6 but not Caspase-3. Cell Death and Differentiation, 1998, 5, 1034-1041.	5.0	53
123	An Optimized Activity-Based Probe for the Study of Caspase-6 Activation. Chemistry and Biology, 2012, 19, 340-352.	6.2	52
124	Highly sensitive and adaptable fluorescence-quenched pair discloses the substrate specificity profiles in diverse protease families. Scientific Reports, 2017, 7, 43135.	1.6	51
125	Protease Specificity: Towards In Vivo Imaging Applications and Biomarker Discovery. Trends in Biochemical Sciences, 2018, 43, 829-844.	3.7	51
126	Identification and Evaluation of Small Molecule Pan-Caspase Inhibitors in Huntington's Disease Models. Chemistry and Biology, 2010, 17, 1189-1200.	6.2	50

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127	Synthetic substrates for measuring activity of autophagy proteases-autophagins (Atg4). Autophagy, 2010, 6, 936-947.	4.3	50
128	[7] Î±-Macroglobulins: Detection and characterization. Methods in Enzymology, 1993, 223, 121-141.	0.4	49
129	Design of a Selective Substrate and Activity Based Probe for Human Neutrophil Serine Protease 4. PLoS ONE, 2015, 10, e0132818.	1.1	49
130	Fluorescent probes towards selective cathepsin B detection and visualization in cancer cells and patient samples. Chemical Science, 2019, 10, 8461-8477.	3.7	47
131	SnapShot: Caspases. Cell, 2011, 147, 476-476.e1.	13.5	46
132	Carboxyl-terminal Proteolytic Processing of CUX1 by a Caspase Enables Transcriptional Activation in Proliferating Cells. Journal of Biological Chemistry, 2007, 282, 30216-30226.	1.6	45
133	Functional Characterization of a SUMO Deconjugating Protease of Plasmodium falciparum Using Newly Identified Small Molecule Inhibitors. Chemistry and Biology, 2011, 18, 711-721.	6.2	45
134	Counter Selection Substrate Library Strategy for Developing Specific Protease Substrates and Probes. Cell Chemical Biology, 2016, 23, 1023-1035.	2.5	45
135	Caspase-8 Cleaves Histone Deacetylase 7 and Abolishes Its Transcription Repressor Function. Journal of Biological Chemistry, 2008, 283, 19499-19510.	1.6	44
136	Cathepsin D Primes Caspase-8 Activation by Multiple Intra-chain Proteolysis. Journal of Biological Chemistry, 2012, 287, 21142-21151.	1.6	44
137	[21] Human kininogens. Methods in Enzymology, 1988, 163, 240-256.	0.4	40
138	Rapid isolation of human kininogens. Thrombosis Research, 1987, 48, 187-193.	0.8	39
139	cDNA encoding a human homolog of yeast ubiquitin 1. Nucleic Acids Research, 1987, 15, 5485-5485.	6.5	38
140	Caspase selective reagents for diagnosing apoptotic mechanisms. Cell Death and Differentiation, 2019, 26, 229-244.	5.0	38
141	Caspase 8: igniting the death machine. Structure, 1999, 7, R225-R229.	1.6	37
142	Engineered Hybrid Dimers: Tracking the Activation Pathway of Caspase-7. Molecular Cell, 2006, 23, 523-533.	4.5	36
143	Vaccinia Virus Protein F1L Is a Caspase-9 Inhibitor. Journal of Biological Chemistry, 2010, 285, 5569-5580.	1.6	35
144	The Paracaspase MALT1. Biochimie, 2016, 122, 324-338.	1.3	35

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145	Expression, Purification, and Characterization of Caspases. Current Protocols in Protein Science, 2002, 30, Unit 21.13.	2.8	34
146	Nicotinamide Rescues Human Embryonic Stem Cell-Derived Neuroectoderm from Parthanatic Cell Death. Stem Cells, 2009, 27, 1772-1781.	1.4	34
147	X-ray Crystal Structure and Specificity of the Plasmodium falciparum Malaria Aminopeptidase PfM18AAP. Journal of Molecular Biology, 2012, 422, 495-507.	2.0	33
148	Cytosolic Gram-negative bacteria prevent apoptosis by inhibition of effector caspases through lipopolysaccharide. Nature Microbiology, 2020, 5, 354-367.	5.9	33
149	Extended subsite profiling of the pyroptosis effector protein gasdermin D reveals a region recognized by inflammatory caspase-11. Journal of Biological Chemistry, 2020, 295, 11292-11302.	1.6	33
150	Glycine Fluoromethylketones as SENPâ€Specific Activity Based Probes. ChemBioChem, 2012, 13, 80-84.	1.3	32
151	Noninvasive optical detection of granzyme B from natural killer cells with enzyme-activated fluorogenic probes. Journal of Biological Chemistry, 2020, 295, 9567-9582.	1.6	32
152	Development of a therapeutic anti-HtrA1 antibody and the identification of DKK3 as a pharmacodynamic biomarker in geographic atrophy. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 9952-9963.	3.3	32
153	Structure of the Fas/FADD complex: A conditional death domain complex mediating signaling by receptor clustering. Cell Cycle, 2009, 8, 2723-2727.	1.3	31
154	Viral Caspase Inhibitors CrmA and p35. Methods in Enzymology, 2000, 322, 143-154.	0.4	30
155	Chapter 21 Caspase Assays: Identifying Caspase Activity and Substrates In Vitro and In Vivo. Methods in Enzymology, 2008, 446, 351-367.	0.4	30
156	INTERACTION OF ?2-MACROGLOBULIN WITH NEUTROPHIL AND PLASMA PROTEINASES. Annals of the New York Academy of Sciences, 1983, 421, 316-326.	1.8	29
157	Expedient Synthesis of Highly Potent Antagonists of Inhibitor of Apoptosis Proteins (IAPs) with Unique Selectivity for ML-IAP. ACS Chemical Biology, 2013, 8, 725-732.	1.6	28
158	Serpin Î±₁proteinase inhibitor probed by intrinsic tryptophan fluorescence spectroscopy. Protein Science, 1996, 5, 2226-2235.	3.1	27
159	Multiplexed Probing of Proteolytic Enzymes Using Mass Cytometry-Compatible Activity-Based Probes. Journal of the American Chemical Society, 2020, 142, 16704-16715.	6.6	27
160	Cytokine Response Modifier A Inhibition of Initiator Caspases Results in Covalent Complex Formation and Dissociation of the Caspase Tetramer. Journal of Biological Chemistry, 2006, 281, 38781-38790.	1.6	26
161	Identification of very potent inhibitor of human aminopeptidase N (CD13). Bioorganic and Medicinal Chemistry Letters, 2010, 20, 2497-2499.	1.0	25
162	The Proteasome as a Drug Target in the Metazoan Pathogen, <i>Schistosoma mansoni</i>. ACS Infectious Diseases, 2019, 5, 1802-1812.	1.8	25

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163	NETosis occurs independently of neutrophil serine proteases. Journal of Biological Chemistry, 2020, 295, 17624-17631.	1.6	25
164	Yersinia Phosphatase Induces Mitochondrially Dependent Apoptosis of T Cells. Journal of Biological Chemistry, 2005, 280, 10388-10394.	1.6	24
165	Caspase Enzymology and Activation Mechanisms. Methods in Enzymology, 2014, 544, 161-178.	0.4	24
166	Probes to Monitor Activity of the Paracaspase MALT1. Chemistry and Biology, 2015, 22, 139-147.	6.2	23
167	Apoptosis Activation in Human Lung Cancer Cell Lines by a Novel Synthetic Peptide Derived from Conus californicus Venom. Toxins, 2016, 8, 38.	1.5	23
168	Interaction of subtilisins with serpins. Protein Science, 1996, 5, 874-882.	3.1	22
169	Potent and selective caspase-2 inhibitor prevents MDM-2 cleavage in reversine-treated colon cancer cells. Cell Death and Differentiation, 2019, 26, 2695-2709.	5.0	22
170	Endothelial activation of caspase-9 promotes neurovascular injury in retinal vein occlusion. Nature Communications, 2020, 11, 3173.	5.8	22
171	Expression of a functional Î±-macroglobulin receptor binding domain inEscherichia coli. FEBS Letters, 1992, 313, 198-202.	1.3	21
172	A remarkable activity of human leukotriene A4 hydrolase (LTA4H) toward unnatural amino acids. Amino Acids, 2014, 46, 1313-1320.	1.2	21
173	Urm1 couples sulfur transfer to ubiquitin-like protein function in oxidative stress: Fig. 1.. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 1749-1750.	3.3	20
174	SUMO deconjugation is required for arsenic-triggered ubiquitylation of PML. Science Signaling, 2015, 8, ra56.	1.6	20
175	S1 pocket fingerprints of human and bacterial methionine aminopeptidases determined using fluorogenic libraries of substrates and phosphorus based inhibitors. Biochimie, 2012, 94, 704-710.	1.3	19
176	Detection of Active Granzyme A in NK92 Cells with Fluorescent Activity-Based Probe. Journal of Medicinal Chemistry, 2020, 63, 3359-3369.	2.9	18
177	Staphylococcal SplB Serine Protease Utilizes a Novel Molecular Mechanism of Activation. Journal of Biological Chemistry, 2014, 289, 15544-15553.	1.6	17
178	Evolutionary loss of inflammasomes in the Carnivora and implications for the carriage of zoonotic infections. Cell Reports, 2021, 36, 109614.	2.9	16
179	Activity, Specificity, and Probe Design for the Smallpox Virus Protease K7L. Journal of Biological Chemistry, 2012, 287, 39470-39479.	1.6	15
180	The CULt of Caspase-8 Ubiquitination. Cell, 2009, 137, 604-606.	13.5	12

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181	Targeting activated integrin Î±vÎ²3 with patient-derived antibodies impacts late-stage multiorgan metastasis. Clinical and Experimental Metastasis, 2010, 27, 217-231.	1.7	12
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