Tudor Moldoveanu

List of Publications by Citations

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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.

38	4,062	28	46
papers	citations	h-index	g-index
46	4,543	12	5.31
ext. papers	ext. citations	avg, IF	L-index

#	Paper	IF	Citations
38	The BCL-2 family reunion. *Molecular Cell*, **2010**, 37, 299-310	17.6	1129
37	A unified model of mammalian BCL-2 protein family interactions at the mitochondria. *Molecular Cell* , **2011**, 44, 517-31	17.6	434
36	Many players in BCL-2 family affairs. *Trends in Biochemical Sciences*, **2014**, 39, 101-11	10.3	296
35	A Ca(2+) switch aligns the active site of calpain. *Cell*, **2002**, 108, 649-60	56.2	273
34	The X-ray structure of a BAK homodimer reveals an inhibitory zinc binding site. *Molecular Cell*, **2006**, 24, 677-688	17.6	182
33	BID-induced structural changes in BAK promote apoptosis. *Nature Structural and Molecular Biology*, **2013**, 20, 589-97	17.6	154
32	BOK Is a Non-canonical BCL-2 Family Effector of Apoptosis Regulated by ER-Associated Degradation. *Cell*, **2016**, 165, 421-33	56.2	145
31	Sequential Engagement of Distinct MLKL Phosphatidylinositol-Binding Sites Executes Necroptosis. *Molecular Cell*, **2016**, 61, 589-601	17.6	133
30	Discoveries and controversies in BCL-2 protein-mediated apoptosis. *FEBS Journal*, **2016**, 283, 2690-700	5.7	133
29	Concerted multi-pronged attack by calpastatin to occlude the catalytic cleft of heterodimeric calpains. *Nature*, **2008**, 456, 404-8	50.4	121
28	BH3 domains other than Bim and Bid can directly activate Bax/Bak. *Journal of Biological Chemistry*, **2011**, 286, 491-501	5.4	120
27	Determination of peptide substrate specificity for mu-calpain by a peptide library-based approach: the importance of primed side interactions. *Journal of Biological Chemistry*, **2005**, 280, 40632-41	5.4	99
26	MLKL Requires the Inositol Phosphate Code to Execute Necroptosis. *Molecular Cell*, **2018**, 70, 936-948.e7	17.6	75
25	Crystal structures of calpain-E64 and -leupeptin inhibitor complexes reveal mobile loops gating the active site. *Journal of Molecular Biology*, **2004**, 343, 1313-26	6.5	71
24	Calpain silencing by a reversible intrinsic mechanism. *Nature Structural and Molecular Biology*, **2003**, 10, 371-8	17.6	65
23	Apoptotic regulation by MCL-1 through heterodimerization. *Journal of Biological Chemistry*, **2010**, 285, 19615-24	5.4	52
22	Structural model of the BCL-w-BID peptide complex and its interactions with phospholipid micelles. *Biochemistry*, **2006**, 45, 2250-6	3.2	50

21	Mutations in calpain 3 associated with limb girdle muscular dystrophy: analysis by molecular modeling and by mutation in m-calpain. *Biophysical Journal*, **2001**, 80, 2590-6	2.9	50
20	Calpain inhibition by alpha-ketoamide and cyclic hemiacetal inhibitors revealed by X-ray crystallography. *Biochemistry*, **2006**, 45, 7446-52	3.2	47
19	Calpain activation by cooperative Ca2+ binding at two non-EF-hand sites. *Journal of Biological Chemistry*, **2004**, 279, 6106-14	5.4	45
18	Insertion sequence 1 of muscle-specific calpain, p94, acts as an internal propeptide. *Journal of Biological Chemistry*, **2004**, 279, 27656-66	5.4	44
17	Calpain mutants with increased Ca2+ sensitivity and implications for the role of the C(2)-like domain. *Journal of Biological Chemistry*, **2001**, 276, 7404-7	5.4	43
16	BAX, BAK, and BOK: A Coming of Age for the BCL-2 Family Effector Proteins. *Cold Spring Harbor Perspectives in Biology*, **2020**, 12,	10.2	38
15	Novel Selective Agents for the Degradation of Androgen Receptor Variants to Treat Castration-Resistant Prostate Cancer. *Cancer Research*, **2017**, 77, 6282-6298	10.1	37
14	Development of calpain-specific inactivators by screening of positional scanning epoxide libraries. *Journal of Biological Chemistry*, **2007**, 282, 9600-9611	5.4	33
13	Structural basis for UBA-mediated dimerization of c-Cbl ubiquitin ligase. *Journal of Biological Chemistry*, **2007**, 282, 27547-27555	5.4	33
12	Extra-mitochondrial prosurvival BCL-2 proteins regulate gene transcription by inhibiting the SUFU tumour suppressor. *Nature Cell Biology*, **2017**, 19, 1226-1236	23.4	29
11	Metabolic activation of CaMKII by coenzyme A. *Molecular Cell*, **2013**, 52, 325-39	17.6	28
10	Intrinsic Instability of BOK Enables Membrane Permeabilization in Apoptosis. *Cell Reports*, **2018**, 23, 2083-2094.e6	10.[illegible]	27
9	Direct Activation of Human MLKL by a Select Repertoire of Inositol Phosphate Metabolites. *Cell Chemical Biology*, **2019**, 26, 863-877.e7	8.2	26
8	Ca(2+)-induced structural changes in rat m-calpain revealed by partial proteolysis. *BBA - Proteins and Proteomics*, **2001**, 1545, 245-54		20
7	Diversifying selection and functional analysis of interleukin-4 suggests antagonism-driven evolution at receptor-binding interfaces. *BMC Evolutionary Biology*, **2010**, 10, 223	3	16
6	Characterization of MLKL-mediated Plasma Membrane Rupture in Necroptosis. *Journal of Visualized Experiments*, **2018**,	1.6	5
5	Uncovering human mixed lineage kinase domain-like activation in necroptosis. *Future Medicinal Chemistry*, **2019**, 11, 2831-2844	4.1	1
4	Linker Histone H1.2 Directly Activates BAK through the K/RVVKP Motif on the C-Terminal Domain. *Biochemistry*, **2020**, 59, 3332-3346	3.2	1

3	Methods to Probe Conformational Activation and Mitochondrial Activity of Proapoptotic BAK. *Methods in Molecular Biology*, **2019**, 1877, 185-200	1.4	1
2	A killer metamorphosis: catching BAK in action at the membrane. *EMBO Journal*, **2021**, 40, e109529	13	1
1	Structural basis of BAK activation in mitochondrial apoptosis initiation.. *Nature Communications*, **2022**, 13, 250	17.4	0