

Tudor Moldoveanu

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.

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

#	Paper	IF	Citations
38	Structural basis of BAK activation in mitochondrial apoptosis initiation.. <i>Nature Communications</i> , 2022 , 13, 250	17.4	0
37	A killer metamorphosis: catching BAK in action at the membrane. <i>EMBO Journal</i> , 2021 , 40, e109529	13	1
36	Linker Histone H1.2 Directly Activates BAK through the K/RVVKP Motif on the C-Terminal Domain. <i>Biochemistry</i> , 2020 , 59, 3332-3346	3.2	1
35	BAX, BAK, and BOK: A Coming of Age for the BCL-2 Family Effector Proteins. <i>Cold Spring Harbor Perspectives in Biology</i> , 2020 , 12,	10.2	38
34	Direct Activation of Human MLKL by a Select Repertoire of Inositol Phosphate Metabolites. <i>Cell Chemical Biology</i> , 2019 , 26, 863-877.e7	8.2	26
33	Uncovering human mixed lineage kinase domain-like activation in necroptosis. <i>Future Medicinal Chemistry</i> , 2019 , 11, 2831-2844	4.1	1
32	Methods to Probe Conformational Activation and Mitochondrial Activity of Proapoptotic BAK. <i>Methods in Molecular Biology</i> , 2019 , 1877, 185-200	1.4	1
31	Characterization of MLKL-mediated Plasma Membrane Rupture in Necroptosis. <i>Journal of Visualized Experiments</i> , 2018 ,	1.6	5
30	MLKL Requires the Inositol Phosphate Code to Execute Necroptosis. <i>Molecular Cell</i> , 2018 , 70, 936-948.e7	17.6	75
29	Intrinsic Instability of BOK Enables Membrane Permeabilization in Apoptosis. <i>Cell Reports</i> , 2018 , 23, 2083-2094.e6	12.0	26
28	Novel Selective Agents for the Degradation of Androgen Receptor Variants to Treat Castration-Resistant Prostate Cancer. <i>Cancer Research</i> , 2017 , 77, 6282-6298	10.1	37
27	Extra-mitochondrial prosurvival BCL-2 proteins regulate gene transcription by inhibiting the SUFU tumour suppressor. <i>Nature Cell Biology</i> , 2017 , 19, 1226-1236	23.4	29
26	Sequential Engagement of Distinct MLKL Phosphatidylinositol-Binding Sites Executes Necroptosis. <i>Molecular Cell</i> , 2016 , 61, 589-601	17.6	133
25	BOK Is a Non-canonical BCL-2 Family Effector of Apoptosis Regulated by ER-Associated Degradation. <i>Cell</i> , 2016 , 165, 421-33	56.2	145
24	Discoveries and controversies in BCL-2 protein-mediated apoptosis. <i>FEBS Journal</i> , 2016 , 283, 2690-700	5.7	133
23	Many players in BCL-2 family affairs. <i>Trends in Biochemical Sciences</i> , 2014 , 39, 101-11	10.3	296
22	Metabolic activation of CaMKII by coenzyme A. <i>Molecular Cell</i> , 2013 , 52, 325-39	17.6	28

21	BID-induced structural changes in BAK promote apoptosis. <i>Nature Structural and Molecular Biology</i> , 2013 , 20, 589-97	17.6	154
20	A unified model of mammalian BCL-2 protein family interactions at the mitochondria. <i>Molecular Cell</i> , 2011 , 44, 517-31	17.6	434
19	BH3 domains other than Bim and Bid can directly activate Bax/Bak. <i>Journal of Biological Chemistry</i> , 2011 , 286, 491-501	5.4	120
18	Apoptotic regulation by MCL-1 through heterodimerization. <i>Journal of Biological Chemistry</i> , 2010 , 285, 19615-24	5.4	52
17	The BCL-2 family reunion. <i>Molecular Cell</i> , 2010 , 37, 299-310	17.6	1129
16	Diversifying selection and functional analysis of interleukin-4 suggests antagonism-driven evolution at receptor-binding interfaces. <i>BMC Evolutionary Biology</i> , 2010 , 10, 223	3	16
15	Concerted multi-pronged attack by calpastatin to occlude the catalytic cleft of heterodimeric calpains. <i>Nature</i> , 2008 , 456, 404-8	50.4	121
14	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
13	Structural basis for UBA-mediated dimerization of c-Cbl ubiquitin ligase. <i>Journal of Biological Chemistry</i> , 2007 , 282, 27547-27555	5.4	33
12	Structural model of the BCL-w-BID peptide complex and its interactions with phospholipid micelles. <i>Biochemistry</i> , 2006 , 45, 2250-6	3.2	50
11	Calpain inhibition by alpha-ketoamide and cyclic hemiacetal inhibitors revealed by X-ray crystallography. <i>Biochemistry</i> , 2006 , 45, 7446-52	3.2	47
10	The X-ray structure of a BAK homodimer reveals an inhibitory zinc binding site. <i>Molecular Cell</i> , 2006 , 24, 677-688	17.6	182
9	Determination of peptide substrate specificity for mu-calpain by a peptide library-based approach: the importance of primed side interactions. <i>Journal of Biological Chemistry</i> , 2005 , 280, 40632-41	5.4	99
8	Calpain activation by cooperative Ca ²⁺ binding at two non-EF-hand sites. <i>Journal of Biological Chemistry</i> , 2004 , 279, 6106-14	5.4	45
7	Insertion sequence 1 of muscle-specific calpain, p94, acts as an internal propeptide. <i>Journal of Biological Chemistry</i> , 2004 , 279, 27656-66	5.4	44
6	Crystal structures of calpain-E64 and -leupeptin inhibitor complexes reveal mobile loops gating the active site. <i>Journal of Molecular Biology</i> , 2004 , 343, 1313-26	6.5	71
5	Calpain silencing by a reversible intrinsic mechanism. <i>Nature Structural and Molecular Biology</i> , 2003 , 10, 371-8	17.6	65
4	A Ca(2+) switch aligns the active site of calpain. <i>Cell</i> , 2002 , 108, 649-60	56.2	273

3	Ca(2+)-induced structural changes in rat m-calpain revealed by partial proteolysis. <i>BBA - Proteins and Proteomics</i> , 2001 , 1545, 245-54		20
2	Calpain mutants with increased Ca2+ sensitivity and implications for the role of the C(2)-like domain. <i>Journal of Biological Chemistry</i> , 2001 , 276, 7404-7	5.4	43
1	Mutations in calpain 3 associated with limb girdle muscular dystrophy: analysis by molecular modeling and by mutation in m-calpain. <i>Biophysical Journal</i> , 2001 , 80, 2590-6	2.9	50