

# Tudor Moldoveanu

## List of Publications by Year in descending order

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Version: 2024-02-01

42  
papers

4,925  
citations

159525

30  
h-index

276775

41  
g-index

46  
all docs

46  
docs citations

46  
times ranked

6353  
citing authors

#	ARTICLE	IF	CITATIONS
1	The BCL-2 Family Reunion. <i>Molecular Cell</i> , 2010, 37, 299-310.	4.5	1,295
2	A Unified Model of Mammalian BCL-2 Protein Family Interactions at the Mitochondria. <i>Molecular Cell</i> , 2011, 44, 517-531.	4.5	502
3	Many players in BCL-2 family affairs. <i>Trends in Biochemical Sciences</i> , 2014, 39, 101-111.	3.7	352
4	A Ca <sup>2+</sup> Switch Aligns the Active Site of Calpain. <i>Cell</i> , 2002, 108, 649-660.	13.5	311
5	The X-Ray Structure of a BAK Homodimer Reveals an Inhibitory Zinc Binding Site. <i>Molecular Cell</i> , 2006, 24, 677-688.	4.5	213
6	BOK Is a Non-canonical BCL-2 Family Effector of Apoptosis Regulated by ER-Associated Degradation. <i>Cell</i> , 2016, 165, 421-433.	13.5	197
7	Sequential Engagement of Distinct MLKL Phosphatidylinositol-Binding Sites Executes Necroptosis. <i>Molecular Cell</i> , 2016, 61, 589-601.	4.5	183
8	BID-induced structural changes in BAK promote apoptosis. <i>Nature Structural and Molecular Biology</i> , 2013, 20, 589-597.	3.6	181
9	Discoveries and controversies in BCL-2 protein-mediated apoptosis. <i>FEBS Journal</i> , 2016, 283, 2690-2700.	2.2	176
10	BH3 Domains other than Bim and Bid Can Directly Activate Bax/Bak. <i>Journal of Biological Chemistry</i> , 2011, 286, 491-501.	1.6	139
11	Concerted multi-pronged attack by calpastatin to occlude the catalytic cleft of heterodimeric calpains. <i>Nature</i> , 2008, 456, 404-408.	13.7	131
12	Determination of Peptide Substrate Specificity for $\gamma$ -Calpain by a Peptide Library-based Approach. <i>Journal of Biological Chemistry</i> , 2005, 280, 40632-40641.	1.6	115
13	MLKL Requires the Inositol Phosphate Code to Execute Necroptosis. <i>Molecular Cell</i> , 2018, 70, 936-948.e7.	4.5	111
14	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, a036319.	2.3	106
15	Crystal Structures of Calpain <sup>E64</sup> and <sup>L</sup> Leupeptin Inhibitor Complexes Reveal Mobile Loops Gating the Active Site. <i>Journal of Molecular Biology</i> , 2004, 343, 1313-1326.	2.0	80
16	Calpain silencing by a reversible intrinsic mechanism. <i>Nature Structural and Molecular Biology</i> , 2003, 10, 371-378.	3.6	72
17	Apoptotic Regulation by MCL-1 through Heterodimerization. <i>Journal of Biological Chemistry</i> , 2010, 285, 19615-19624.	1.6	64
18	Novel Selective Agents for the Degradation of Androgen Receptor Variants to Treat Castration-Resistant Prostate Cancer. <i>Cancer Research</i> , 2017, 77, 6282-6298.	0.4	62

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19	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, 2590-2596.	0.2	58
20	Structural Model of the BCL-wâ””BID Peptide Complex and Its Interactions with Phospholipid Micelles,. <i>Biochemistry</i> , 2006, 45, 2250-2256.	1.2	54
21	Calpain Inhibition by Î±-Ketoamide and Cyclic Hemiacetal Inhibitors Revealed by X-ray Crystallography,. <i>Biochemistry</i> , 2006, 45, 7446-7452.	1.2	52
22	Calpain Activation by Cooperative Ca <sup>2+</sup> Binding at Two Non-EF-hand Sites. <i>Journal of Biological Chemistry</i> , 2004, 279, 6106-6114.	1.6	48
23	Insertion Sequence 1 of Muscle-specific Calpain, p94, Acts as an Internal Propeptide. <i>Journal of Biological Chemistry</i> , 2004, 279, 27656-27666.	1.6	48
24	Calpain Mutants with Increased Ca <sup>2+</sup> Sensitivity and Implications for the Role of the C2-like Domain. <i>Journal of Biological Chemistry</i> , 2001, 276, 7404-7407.	1.6	45
25	Intrinsic Instability of BOK Enables Membrane Permeabilization in Apoptosis. <i>Cell Reports</i> , 2018, 23, 2083-2094.e6.	2.9	41
26	Extra-mitochondrial prosurvival BCL-2 proteins regulate gene transcription by inhibiting the SUFU tumour suppressor. <i>Nature Cell Biology</i> , 2017, 19, 1226-1236.	4.6	38
27	Direct Activation of Human MLKL by a Select Repertoire of Inositol Phosphate Metabolites. <i>Cell Chemical Biology</i> , 2019, 26, 863-877.e7.	2.5	38
28	Structural Basis for UBA-mediated Dimerization of c-Cbl Ubiquitin Ligase. <i>Journal of Biological Chemistry</i> , 2007, 282, 27547-27555.	1.6	37
29	Development of Calpain-specific Inactivators by Screening of Positional Scanning Epoxide Libraries. <i>Journal of Biological Chemistry</i> , 2007, 282, 9600-9611.	1.6	36
30	Metabolic Activation of CaMKII by Coenzyme A. <i>Molecular Cell</i> , 2013, 52, 325-339.	4.5	35
31	Ca <sup>2+</sup> -induced structural changes in rat m-calpain revealed by partial proteolysis. <i>BBA - Proteins and Proteomics</i> , 2001, 1545, 245-254.	2.1	25
32	Diversifying selection and functional analysis of interleukin-4 suggests antagonism-driven evolution at receptor-binding interfaces. <i>BMC Evolutionary Biology</i> , 2010, 10, 223.	3.2	19
33	Structural basis of BAK activation in mitochondrial apoptosis initiation. <i>Nature Communications</i> , 2022, 13, 250.	5.8	19
34	Characterization of MLKL-mediated Plasma Membrane Rupture in Necroptosis. <i>Journal of Visualized Experiments</i> , 2018, , .	0.2	14
35	Proteinâ€”protein and proteinâ€”lipid interactions of pore-forming BCL-2 family proteins in apoptosis initiation. <i>Biochemical Society Transactions</i> , 2022, , .	1.6	12
36	Metastability, an emerging concept governing BOK-mediated apoptosis initiation. <i>Oncotarget</i> , 2018, 9, 30944-30945.	0.8	5

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37	Methods to Probe Conformational Activation and Mitochondrial Activity of Proapoptotic BAK. <i>Methods in Molecular Biology</i> , 2019, 1877, 185-200.	0.4	3
38	Linker Histone H1.2 Directly Activates BAK through the K/RVVKP Motif on the C-Terminal Domain. <i>Biochemistry</i> , 2020, 59, 3332-3346.	1.2	3
39	Uncovering human mixed lineage kinase domain-like activation in necroptosis. <i>Future Medicinal Chemistry</i> , 2019, 11, 2831-2844.	1.1	2
40	A killer metamorphosis: catching BAK in action at the membrane. <i>EMBO Journal</i> , 2021, 40, e109529.	3.5	2
41	Metabolic Activation of CaMKII by Coenzyme A. <i>Molecular Cell</i> , 2013, 52, 468.	4.5	1
42	MP57-03 IDENTIFICATION AND CHARACTERIZATION OF SELECTIVE ANDROGEN RECEPTOR DEGRADERS (SARDS) FOR THE TREATMENT OF ENZALUTAMIDE UNRESPONSIVE AND/OR RESISTANT PROSTATE CANCER. <i>Journal of Urology</i> , 2017, 197, .	0.2	0